



HUAWEI DIGITAL POWER 2024 SUSTAINABILITY REPORT



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About Huawei Digital Power

Huawei Digital Power is a world leader in digital power products and solutions. We are committed to integrating digital and power electronics technologies, developing clean power, and enabling energy digitalization to drive the energy revolution for a better, greener future. At present, we have about 6,500 employees, conducting business in more than 170 countries and regions and serving over 3 billion people worldwide.

Smart PV

Huawei Digital Power provides FusionSolar All-Scenario Smart PV & ESS Solutions—including the Smart PV Inverter and Smart String Grid Forming Energy Storage System (ESS)—for utility, grid forming energy storage, smart microgrid, commercial and industrial (C&I), and residential scenarios.

Utility

The smart PV systems and ESSs enable efficient operations throughout the lifecycle, helping customers build clean, safe, reliable, and grid-friendly energy bases that feature intelligent operations and maintenance (O&M) and lower levelized cost of energy (LCOE).



Grid Forming Energy Storage

Featuring full-architecture safety, all-scenario grid forming, full-lifecycle cost saving, and full-link digitalization, the Smart String Grid Forming ESS significantly enhances grid stability and renewable energy consumption in scenarios with significant renewable energy penetration.

Smart Microgrid

Focusing on "generation-grid-load-storage" synergy, a smart microgrid can supply 100% safe, reliable, and economical green power in off-grid and on-grid modes for remote areas without access to utility power—such as mines and islands.

C&I

The FusionSolar C&I One-Fits-All Solution helps enterprises slash energy costs and scale up the proportion of green power consumption, empowering the green transition across industries.

Residential

Our one-fits-all ecosystem not only maximizes self-consumption but also safely and intelligently manages energy consumption, helping more families adopt a low-carbon and high-quality lifestyle.



Mobility Electrification

Smart Charging Network

The FusionCharge Ultra-Fast Charging Solution delivers "1 km range by 1-second charge" for passenger vehicles and the FusionCharge Megawatt Charging Solution supplies up to 1.44 MW for heavy goods vehicles (HGVs) in urban, highway, dedicated (HGV, logistics vehicle, and bus), and on-premises charging scenarios, aiming to power the road ahead and make charging as easy as refueling.

DriveONE

Our DriveONE suite of motion domain solutions for battery electric vehicles (BEVs) and hybrid electric vehicles (HEVs) covers everything motion related, from the electric drive system to the on-board charging system, delivering excellent performance in range efficiency and motion control. It not only helps automakers build better vehicles, but also enhances the driving experience and accelerates the electrification of the automobile industry.



Green ICT Energy Infrastructure

Data Center Facility & Critical Power

Adopting the innovative concept of "reliable, agile, and sustainable," our scenario-specific solutions for large data centers, small and mid-sized data centers, and critical power supplies include core products such as the PowerPOD, uninterruptible power system (UPS), and smart modular data center.

Site Power Facility

Our "One Cabinet One Site," "One Blade One Site," iSolar PV deployment, and site VPP¹ solutions help operators and tower companies build simplified, green, resilient, and reliable energy infrastructure, facilitating their green and low-carbon transition from energy consumers to energy prosumers.



¹ Virtual Power Plant.

About This Report

Time Range

Huawei Digital Power has released an annual sustainability report since 2021. The report covers the period from January 1, 2024, to December 31, 2024, though some sections extend beyond this timeframe.

Scope of the Report

The report covers all entities that have control over or major influence on Huawei Digital Power's financial and operations policies.

Description of Appellations

For ease of expression and reading, in the report, "We" refer to Huawei Digital Power; "Huawei" and "Group" refer to Huawei Investment & Holding Co., Ltd. and its directly or indirectly controlled subsidiaries as a whole.

Reporting Principles

The report was prepared with reference to the *Global Reporting Initiative (GRI) Sustainability Reporting Standards* (GRI Standards). The report lists relevant GRI indexes in the appendix for your reference.

Huawei Digital Power supports and promotes the UN Sustainable Development Goals (UN SDGs) through practical actions, not least including SDGs 3, 5, 7, 8, 9, 10, 11, 12, and 13. Relevant chapters in this report refer to these SDGs with icons at the beginning.

Data Sources and Reliability Statement

All data and cases in the report originate from Huawei Digital Power's statistical reports, relevant documents, and public materials. To ensure reliability, fairness, and transparency of the report, we have engaged SGS, a testing, inspection, and certification company, to independently verify the content of the report and issue an assurance statement (see Appendix 3). Unless otherwise stipulated, amounts in the report are denominated in RMB.

Access to the Report

The report will be published in both simplified Chinese and English on October 14, 2025, for your reference. In case of any minor discrepancy in the content, the Chinese version shall prevail. To browse the report online or download it, you are advised to access: <https://digitalpower.huawei.com>

If you have any suggestions or opinions about the report, please contact Huawei Digital Power:
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Advancing the New Era of Digital Power, Pioneering Green, High-Quality Development



Mr. Hou Jinlong

**Director of the Board of Huawei
President of Huawei Digital Power**

The year 2024 marks the 20th anniversary of the United Nations Global Compact's official proposal of the environmental, social, and governance (ESG) concept. It is also a year of accelerated progress for global sustainable development, as the scope of carbon neutrality goals continues to expand and relevant policies and regulations are continuously improved. This signifies that carbon neutrality has deepened from a global consensus into a worldwide movement that drives transformative change in production and consumption. As the common path for the future of industries, carbon neutrality will guide human society to steadily evolve toward an era of ecological civilization. Against this backdrop, the accelerated deployment of zero-carbon technology is driving the renewable energy industry to gradually enter a phase of deep value cultivation. This marks a shift from single-point innovations toward integrated innovation across the energy, information, and transportation sectors. Through the transformative development of decarbonization, electrification, digitalization, and intelligentization, the new era of digital power is now fully underway.

Facing the opportunities and challenges presented by the times, Huawei Digital Power has consistently adhered to its "4T" technology, which integrates digital technology (Bit),

power electronics technology (Watt), thermal management technology (Heat), and energy storage management technology (Battery). Huawei Digital Power continues to actively explore avenues to develop AI-enabled products, prioritizing high quality and safety throughout the entire lifecycle as the primary factor. It continues to create highly reliable and secure products and solutions for its customers, driving the sustainable development of the industry. In 2024, we continued to specialize in three main sectors: clean power generation, mobility electrification, and green ICT energy infrastructure. In the clean power generation sector, Huawei Digital Power developed a smart string grid-forming energy storage system, aiming for its widespread application in various scenarios, including high-ratio grid integration of renewable energy, weak grids, and microgrids. This accelerates the transformation of solar, wind, and storage from supplementary to primary power sources. In the mobility electrification sector, Huawei Digital Power upgraded its electric vehicle power domain technology and accelerated the construction of high-quality charging infrastructure, with a primary focus on fast and ultra-fast charging. This initiative advances the integrated development of the power grid, electric vehicles, and charging facilities, enhancing the comfort and safety of the driving experience for users while boosting the adoption of electric vehicles. In the green ICT energy infrastructure sector, Huawei Digital Power builds reliable, agile, and sustainable data center facilities. We collaborate with operators and tower companies to build simplified, green, resilient, and reliable networks, and actively contribute to energy production and power scheduling. These efforts continuously lower energy use and carbon emissions per bit of data, delivering more sustainable computing power and connectivity. By the end of 2024, Huawei Digital Power had helped its customers generate a cumulative 1,411.3 billion kWh of green electricity, saving 81.8 billion kWh of electricity and offsetting carbon dioxide emissions by over 710 million tons, which is equivalent to planting approximately 970 million trees.

In the new phase of innovative development in the renewable energy industry, Huawei Digital Power is committed to improving its product technologies and service levels. With a long-term perspective, it is focused on the sustainable development of the entire value chain. In 2024, we focused on our core products and scenarios, continuously refining our partner system that embodies trust, profitability, simplicity, and growth. This has accelerated the transformation of our channel partners into capability partners. We will continue to strengthen our customer-centric "Partner + Huawei" system. We will join forces with our capability partners to develop industry-specific solutions and collaborate with our ecosystem partners to contribute to the high-quality and sustainable development of the industry. Together, we will create new industry value and win the new low-carbon era!

Zero-Carbon Symbiosis: Facilitating a Sustainable Value Chain



Mr. Zhao Yue

**Director of Huawei Digital Power
CSD Committee**

In 2024, the European Union (EU) enacted the Net-Zero Industry Act, reinforcing zero-carbon development as a central pillar of global climate governance and a key area of international competitiveness. This has given rise to the digital power industry entering a dynamic phase of low-carbon innovation. As a global leader in digital power products and solutions, Huawei Digital Power is guided by the ZERO concept—Zero-Carbon Enablement, Empowering with Digitalization, Responsible Operations, and One-Mind Growth. We consider our social responsibility in every aspect of our operations, actively addressing global climate change and driving the green transformation of society. Under the leadership of the Corporate Sustainability Development (CSD) Committee and workgroups, we champion digital and green operations, pursue sustainable development, and strengthen our competitive edge in the complex and ever-changing market. We remain committed to creating value for stakeholders and collaborating across all sectors to build a better, low-carbon life for all.

Zero-Carbon Enablement

In 2024, Huawei Digital Power's net-zero targets were validated by the Science Based Targets initiative (SBTi), underscoring our commitment to curbing global temperature rise and providing a clear roadmap for reducing emissions across the entire value chain by 2040. As the world's first Digital Power product provider to receive this certification, we lead by example, implementing zero-carbon actions at the operations, supply chain, and product levels to strengthen the low-carbon governance system. At the operations level, we strictly manage energy and waste while also championing eco-friendly design and construction. Furthermore, we have built a near-zero-carbon campus in Antuoshan Headquarters, where we fully utilize the building surface for PV deployment and reduce carbon dioxide emissions. At the supply chain level, we encourage suppliers to conduct organizational-level carbon checks, help upstream and downstream partners improve their low-carbon capabilities, reduce indirect carbon emissions across the value chain, and promote carbon emission reduction across the supply chain. And at the product level, we leverage the green DNA of the Digital Power business, increase R&D investment, and continuously explore and launch innovative energy-saving and efficient products and solutions to reduce the carbon footprint of products and achieve green transformation throughout the product lifecycle.

Empowering with Digitalization

Our digital power products and solutions enable all industries to obtain efficient, intelligent, safe, and accessible energy services. To enhance efficiency, we integrate digital technologies across all aspects of the traditional energy industry, build high-quality fast and ultra-fast charging infrastructure, optimize energy consumption in big data centers, and make energy production and use more efficient. To drive intelligent innovation, we apply emerging technologies such as AI to ICT energy infrastructure, develop innovative digital solutions, and champion digital construction and automated, intelligent operations and maintenance (O&M) of power systems across diverse business scenarios. To ensure safety and reliability, we use digital technologies for proactive risk warning and intervention, ensuring stable and reliable device performance even in extreme environments. And to advance clean energy, we continuously explore clean energy systems that coexist with nature and strive to make clean energy more accessible in off-grid areas.

Responsible Operations

The concept of responsible operations is integral to our development philosophy. And by strengthening quality management and deepening compliance operations, we have laid a solid foundation for sustainable development. In terms of customer service, we focus on product safety and quality, and build a robust defense system for privacy protection and cybersecurity to safeguard data and improve user experience. In terms of responsibility-based procurement, we integrate corporate social responsibility (CSR) throughout the supply chain management process while also championing healthy development of the entire industry chain and long-term economic prosperity. And in terms of business ethics, we strictly comply with relevant legal requirements, continuously invest in building a compliance management system aligned with industry best practices, and uphold integrity and lawfulness across business activities and processes.

One-Mind Growth

We work with partners to achieve shared growth through a model rooted in integrity, openness, cooperation, and mutual success. It encourages employees to realize their personal value internally and emphasizes industry collaboration externally. Together, we create a business ecosystem for common prosperity and contribute to broader social prosperity. For employee development, we are committed to building a diverse and inclusive workplace, strengthening the occupational health and safety management system, expanding learning platforms and training resources, and supporting clear employee development paths. For industry cooperation, we deepen partnerships with peers, universities, and research institutes, actively engage in formulating and implementing national and industry standards, and promote ecosystem-wide prosperity and development through a win-win and symbiosis philosophy. And for social contribution, we harness digital power technologies to facilitate rural revitalization, close the digital divide, and advance community development. In essence, we embrace our corporate and social responsibilities.

2025 marks the high-quality development of energy storage systems (ESSs) starting and is a critical milestone in the United Nations' 2030 Sustainable Development Goal (SDG) process. Looking ahead, we will continue to improve the CSD governance architecture to ensure closed-loop management of sustainable development strategies and objectives. And guided by the "technology first" principle, we aim to seize development opportunities and work with global partners to build a low-carbon, intelligent, and sustainable new power system. We are committed to advancing the high-quality, sustainable development of the digital power industry, enabling society's zero-carbon transformation, and contributing to global carbon neutrality. Ultimately, we are striving to build an ecologically balanced, green, and beautiful world with a shared future for all.

Sustainable Development Management

Huawei Digital Power believes that sustainable development is key to energizing corporate innovation and achieving long-term success. We integrate digital and power electronics technologies, develop clean energy, facilitate energy digitalization, and implement green management practices, all rooted in sustainable development principles to create value for our stakeholders. In a complex and rapidly changing market, we are committed to achieving sustainable development and building a competitive edge. We aim to collaborate with various sectors to create a better, greener future.



Key Awards and Honors

January 2024

Huawei's PowerPOD 3.0 and high-temperature chilled water fan wall won the TIA-942 Rated 1 to 4 product certification issued by EPI, an international authoritative data center certification organization.



April 2024

Huawei's fully liquid-cooled ultra-fast chargers won the industry's first charging compatibility star certification by China Automotive Technology and Research Center (CATARC) for their applicability in 99% of existing vehicle models in China.



April 2024

At the presentation of the Red Dot Design Award and iF Design Award, Huawei's fully liquid-cooled ultra-fast charging product impressed top-class juries with its innovative and ingenious design and won the two awards.



May 2024

Huawei Digital Power was honored as a 2024 Top 10 Influential Brand in China's Charging and Battery Swapping Industry at the 3rd Shanghai International Charging Pile and Battery Swapping Station Exhibition 2024 for its fully liquid-cooled ultra-fast charging technology.



May 2024

At the DCS AWARDS 2024 conference, Huawei was honored with two awards, the Data Centre Facilities Vendor of the Year and Data Centre Power Innovation of the Year. These awards serve as a testament to the industry-wide recognition of Huawei's portfolio of data center facility products, global service networks, and ecosystem cooperation capabilities.



June 2024

At SNEC 2024, Huawei Digital Power won the Terawatt Diamond Award, Gigawatt Gold Award, and Energy Storage Technology Excellence Award.



June 2024

Huawei's seven innovative data center technologies, including PowerPOD, modular UPS, and SmartLi, were listed in the National Recommended Catalog of Energy Saving & Carbon Reduction Technologies and Equipment in the Field of Industry and Information Technology (2024) in recognition of their excellent energy saving and carbon reduction effects.



August 2024

Huawei Data Center Facility received the first carbon footprint certificate for UPSs from TÜV SÜD.



August 2024

The Science Based Targets initiative (SBTi) validated our net-zero targets, making Huawei Digital Power the world's first digital power product and solution provider to receive this validation.



September 2024

Huawei's Data Center Mobile Intelligent O&M Technical Report won the 2024 ODCC Excellent Project Award.



September 2024

Huawei DriveONE ranked No. 1 in the quality performance of renewable energy passenger vehicle powertrain suppliers (for mid-range and high-end vehicle models).



September 2024

At the 10th "All Quality Matters" Solar & ESS Congress and Award Ceremony hosted by TÜV Rheinland in Shanghai, Huawei's Smart String Grid Forming ESS Platform won the Innovation Award for its outstanding performance in architecture, safety, grid forming, and intelligence.



September 2024

Huawei's Smart String Grid Forming ESS Platform won the Energy Storage Application Excellence Award for its innovative technologies, outstanding large-scale application performance, and industry influence. Its C&I Hybrid Cooling ESS won the Energy Storage Technology Excellence Award. Huawei Digital Power received the Energy Storage Innovation Enterprise Award for its continuous innovation and outstanding performance in the energy storage field.



September 2024

Huawei unveiled its next-generation FusionSolar All-Scenario Smart PV+ESS Solution at booth 3C25 in Hall 3H during the 3rd China International Energy Storage (EESA) Expo and received two prestigious honors: the 2024 Best Large-Scale Energy Storage System Integration Supplier Award and the 2024 Best PV+ESS+Charger Integrated Solution Award.



October 2024

Huawei DriveONE products won the EV Technology Innovation Award at the 17th New Energy Vehicle Forum & NEV Battery, Motor and Electric Control System Summit.



November 2024

Huawei's PowerPOD won the 2024 Innovation Award at the International Symposium on Computility Technology Standards and Applications (ISCT'24).



November 2024

Huawei Digital Power won the 2024 China Ultra-fast Charging Industry Pioneer Award 2024 for the industry-wide recognition on its ultra-fast charging solution that delivers optimal experience, quality, and benefits at the 7th Shenzhen International Charging Pile and Battery Swapping Station Exhibition 2024.



December 2024

Huawei Digital Power and TÜV Rheinland jointly completed the safety test on Huawei's Smart String Grid Forming ESSs (LUNA2000-4472 series and LUNA2000-215 series), which won the world's first highest-level ESS safety certificate issued by TÜV Rheinland.



December 2024

Huawei Data Center Facility won the W.Media Top Technology Leader Award 2024 for its technical leadership and extensive market influence.



December 2024

The K2 Data Center in Jover of Malaysia, powered by Huawei's outdoor PowerPOD, won the "Editor's Choice - Data Center Project of the Year" at the DCD Gala Dinner & Awards Ceremony, setting a new benchmark for AI data center construction in the Asia-Pacific region.



December 2024

Huawei Digital Power won the Solarbe 2024 Most Influential PV+ESS Solution Enterprise Award and the 2024 Most Influential PV Inverter Enterprise Award.



Sustainable Development Strategy

Huawei Digital Power's vision is to "integrate digital and power electronics technologies, develop clean energy, and enable energy digitization to drive an energy revolution for a better, greener future." We believe that the value of technology is to make people's lives better. In response to Huawei's corporate sustainable development (CSD) strategy (digital inclusion, security and trustworthiness, environmental protection, and a healthy and harmonious ecosystem), we have rolled out the Huawei Digital Power CSD strategy—"ZERO," which consists of four key areas: Zero-Carbon Enablement, Empowering with Digitalization, Responsible Operations, and One-Mind Growth. Under the guidance of its CSD committee, Huawei Digital Power will continue to do its part in helping achieve the United Nations' sustainable development goals (UN SDGs).

Zero-Carbon Enablement

Huawei Digital Power is committed to enabling global action to address climate change, promoting the adoption of clean energy across the globe with our leading products and solutions, and supporting society in building a zero-carbon ecosystem.

- Green operations
- Energy conservation & emission reduction/Coping with climate change
- Green supply chain
- Low-carbon products



Responsible Operations

Huawei Digital Power has ingrained corporate business ethics in our development, with integrity, responsibility, and compliance as our foundational principles. We strengthen sustainable development governance, create responsible supply chains, and provide customers with reliable products and high-quality services.

- Cyber security and privacy protection
- Customer service
- Responsible procurement
- Business ethics
- Sustainable development governance
- Communication with stakeholders

Empowering with Digitalization

Huawei Digital Power uses our digital power products and solutions to enable all industries to use efficient, intelligent, safe, and accessible energy.

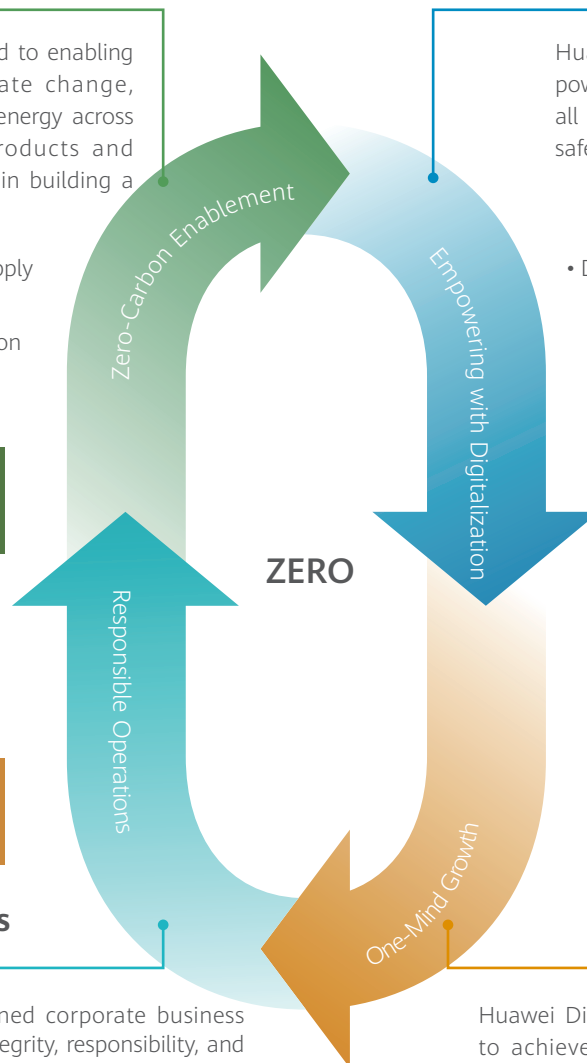
- Digital technology



One-Mind Growth

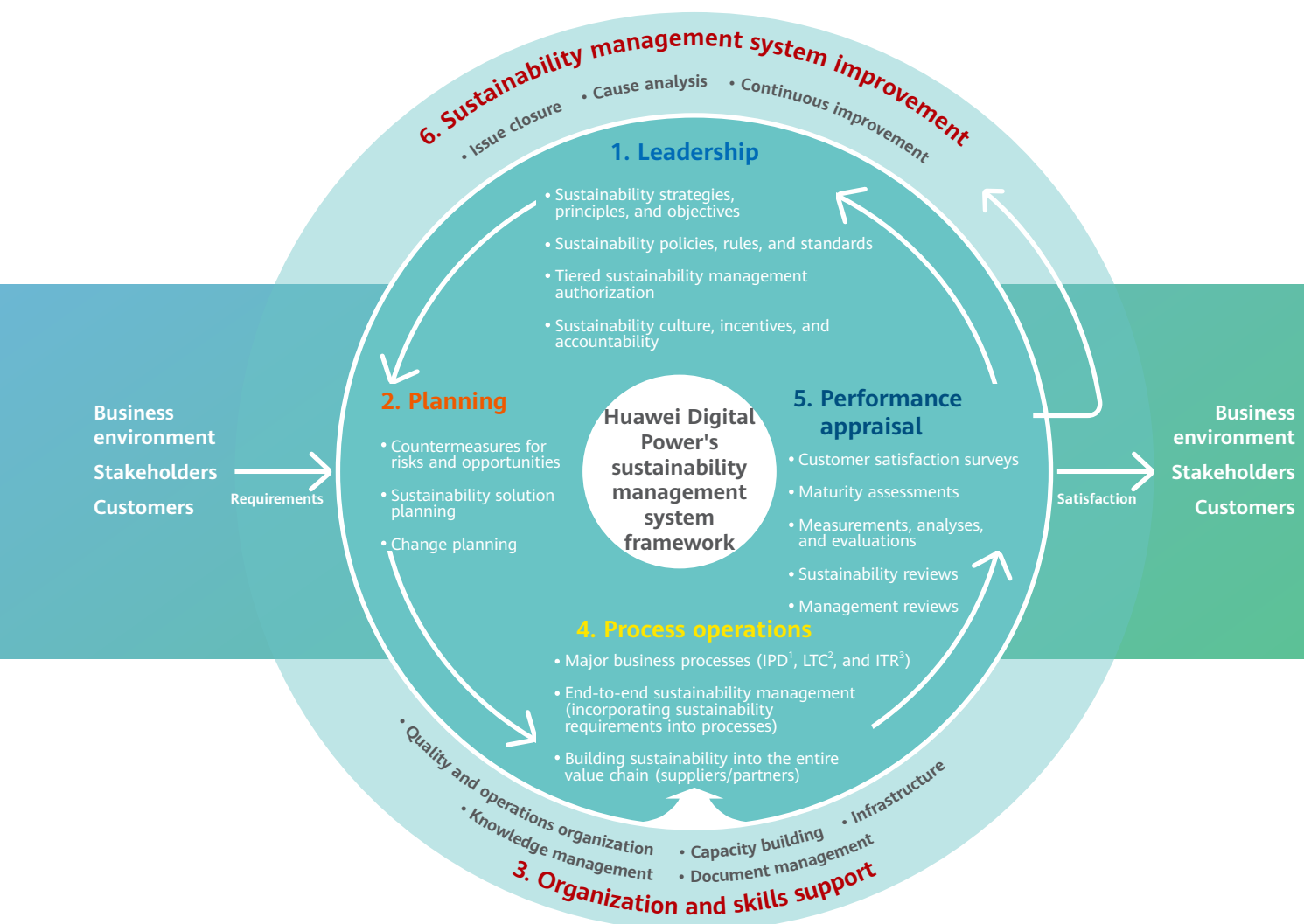
Huawei Digital Power works with our partners to achieve shared development, encourages employees to realize personal value, works with every stakeholder in the industry to create a business ecosystem of common prosperity, and actively contributes to social development.

- Employee rights and development
- Occupational health and safety
- Industry ecosystem construction
- Social contribution



Sustainable Development Management System

Taking into account the internal and external environments, Huawei Digital Power has established a CSD management system based on the ISO 26000 international standard and the Responsible Business Alliance (RBA) codes of conduct, following the PDCA (Plan-Do-Check-Act) cycle. This approach allows us to integrally manage our sustainable development strategy and objectives across six key areas: leadership, planning, organization and skills support, process operations, performance appraisal and improvement. In addition, we will strengthen our digital operations and continually enhance stakeholder satisfaction.



Huawei Digital Power's sustainability management system framework

¹ Integrated Product Development.

² Lead To Cash.

³ Issue To Resolution.

We have set up the Huawei Digital Power CSD Committee, which guides Huawei Digital Power's business organizations at all levels to formulate sustainable development objectives centering on the CSD's four strategies. The Committee also promotes the step-by-step implementation of these objectives. The Huawei Digital Power CSD Committee serves as the top-level decision-making organ for its CSD-related matters. The Head of the Quality Operation and Process IT Department is the CSD Committee Director; the rest of the members are made up of ten or more senior executives from several departments, including human resources, R&D, procurement, manufacturing, supply, legal affairs, sales & service, finance management, and strategy. The CSD Committee shall convene member meetings on a semi-annual basis and organize special meetings when necessary in order to collectively discuss and make decisions on topics relating to sustainable development. The CSD Committee shall act under the supervision and guidance of the Huawei Digital Power's President and report to the President as needed.

Subordinate to the CSD Committee, the CSD Work Group is responsible for supporting the CSD Committee's operations, implementing strategic objectives, preparing and releasing the CSD annual report, etc. The CSD Work Group shall convene monthly member meetings to deliberate on the work progress in all areas.

Level	Management Responsibilities
 Huawei Digital Power CSD Committee	• Formulate CSD strategies, objectives, guidelines, policies, and rules, clarify their direction, and supervise their implementation. • Coordinate the establishment, implementation, and continuous improvement of the CSD management system, decide on relevant topics, and ensure that CSD management complies with relevant laws and regulations, international standards, and customer requirements. • For CSD-related matters, guide and conduct effective communication with key stakeholders such as customers, regulatory organs, and industry organizations. • Ensure that current CSD-related objectives and priorities are met while promoting cross-field collaboration and problem-solving; ensure comprehensive CSD operations and coordination. • Guide the construction, operation, and improvement of Huawei Digital Power's EHS management system, and handle major environmental, occupational health, and safety (EHS) issues.
 Huawei Digital Power CSD Work Group	• Carry out the CSD Committee's resolutions, promote the implementation and completion of CSD-related objectives in all domains, and report on the progress departments make in CSD. • Support Huawei Digital Power in preparing and releasing the CSD annual report. • Pursuant to international standards, take part in establishing, implementing, maintaining, and improving the CSD management system. Ensure that CSD management complies with relevant laws and regulations, international standards, and customer requirements. • Reply and address CSD concerns from internal and external stakeholders in a timely fashion.

Communication with Stakeholders

Huawei Digital Power prioritizes two-way communication with stakeholders. To foster open communication with stakeholders, we have established and continuously enhance various dialogue mechanisms. We actively seek feedback, respond to concerns, strengthen our self-management practices, and collaborate with stakeholders to build a more sustainable future.

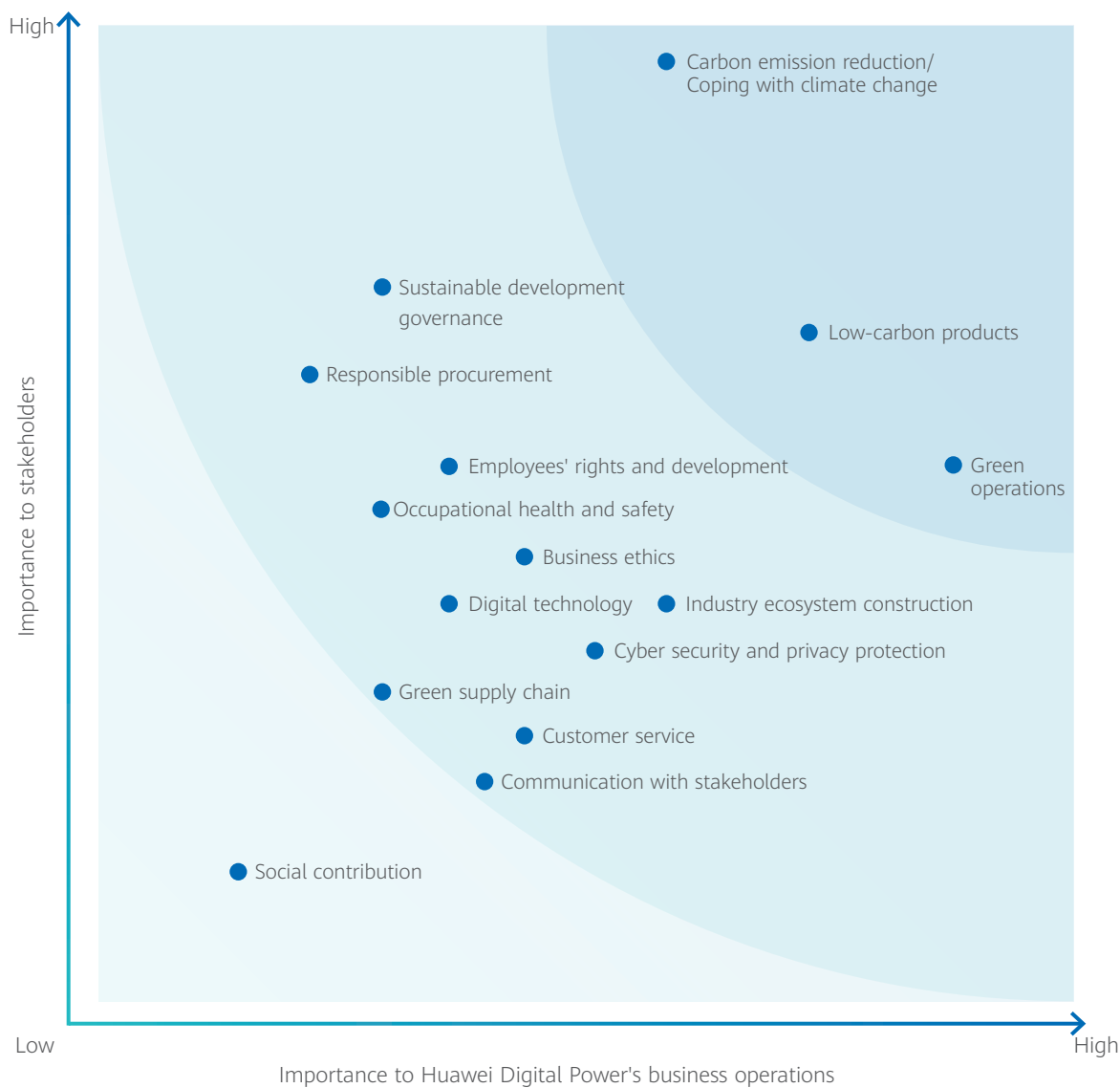
Stakeholders refer to those individuals or groups whose interests are subject to or might be subject to the influence of Huawei Digital Power's activities. Huawei Digital Power's main stakeholders are customers, employees, suppliers and partners, governments, non-governmental organizations (NGOs), industry organizations, professional agencies, communities, and the general public.

In 2024, for Huawei Digital Power's main stakeholders, the channels of communication and major concerns are as follows:

Stakeholder	Communication Channel	Primary Interests
 Customers	• Pre-sales communication • After-sales service • Regular communication (such as customer visits) • Satisfaction surveys • Marketing exhibitions	• Premium products and services • Cyber security and privacy protection • Coping with climate change/Carbon emission reduction • Circular economy
 Employees	• Online communication platforms • Department communication and work meetings • Employee representative meetings • Employee surveys (such as the work environment survey) • Employee activities	• Workplace health and safety • Employees' legal rights protection • Employee training • Career development
 Suppliers and partners	• Onsite review and communication • Supplier conferences • Supplier training	• Fair competition • Win-win cooperation • Training and enablement • Sustainable partnerships
 Governments	• Government policy meetings • Public policy counseling • Regular reports and routine communication • Public sustainable development projects	• Lawful and compliant operations • Safe and clean production • Leading technology innovation • Employment and economic growth
 NGOs/ Industry organizations/ Professional institutions	• Industry conferences, forums, and working groups • Standards workshops • Sustainable development cooperation projects • Academic research	• Favorable cooperation • Open and transparent information exchange and sharing • Shared industry development
 Communities and the general public	• Participation in community projects • Community public welfare and charity activities • Interaction on the enterprise website and social media	• Environmental protection • Public welfare • Community building and development

Key Topics

Key topics serve as essential inputs that help Huawei Digital Power clarify our direction for CSD improvement and determine where to focus our resources. In 2024, Huawei Digital Power conducted comprehensive analysis on the key topics matrix from two dimensions: "importance to stakeholders" and "importance to Huawei Digital Power's business operations" based on applicable international standards and business characteristics of Huawei Digital Power and the industry. The analysis was conducted through customer inquiries and auditing, external consulting and insights, media and public interaction, internal risk assessment, and strategic alignment. Consequently, we have prioritized topics such as "carbon emission reduction/coping with climate change" and "green operations," and disclosed information in Chapter 2 of this report to address stakeholders' concerns and continuously improve our sustainability performance



Zero-Carbon Enablement

In 2024, Huawei Digital Power's net-zero targets were validated by the Science Based Targets initiative (SBTi). Huawei Digital Power has become the world's first digital power product and solution provider to receive this validation. Guided by these targets, we take the lead in fulfilling our climate change commitments. We continuously optimize and accelerate zero-carbon actions across the entire value chain from three dimensions: operations, supply chain, and products. We work with suppliers to reduce carbon emissions in the supply chain and explore innovative products and solutions that are cleaner and more energy efficient, contributing to society's zero-carbon transformation.

UN SDGs supported by Huawei Digital Power:



Concrete Actions in Green Operations

In strict accordance with all laws, regulations, and policies applicable to environmental protection, Huawei Digital Power has improved its environmental management systems, advocated for green offices, promoted clean production, and strengthened how it manages waste gas, liquid, and residue. We strive to build resource-conserving and eco-friendly green campuses, enhancing energy efficiency through technology and management-driven conservation. This approach ensures compliance with environmental protection standards while achieving highly efficient, high-quality, and low-carbon operations on our campuses. As a result, we have obtained ISO 14001 environmental management system accreditation.

Within the reporting period, Huawei Digital Power has not violated any environmental protection laws or regulations.

SBTi Validation

In 2022, we set up a low-carbon capacity center to enhance our operations and swiftly achieve carbon emission reduction goals across the industrial chain.

In August 2024, the Science Based Targets initiative (SBTi) validated our net-zero targets, making Huawei Digital Power the world's first digital power product and solution provider to receive this validation.

Guided by these targets, we aim to achieve net-zero emission of greenhouse gases across the entire value chain by 2040.

By 2032, absolute greenhouse gas emissions in Scopes I and II will be reduced by **50.4%** compared with the 2022 baseline level.

By 2032, the emissions of greenhouse gases in Scope III will be reduced by **58.14%** for every CNY1 million in profit compared with 2022.

By 2040, absolute greenhouse gas emissions in Scopes I, II, and III will be reduced by **90%** compared with the 2022 baseline level.

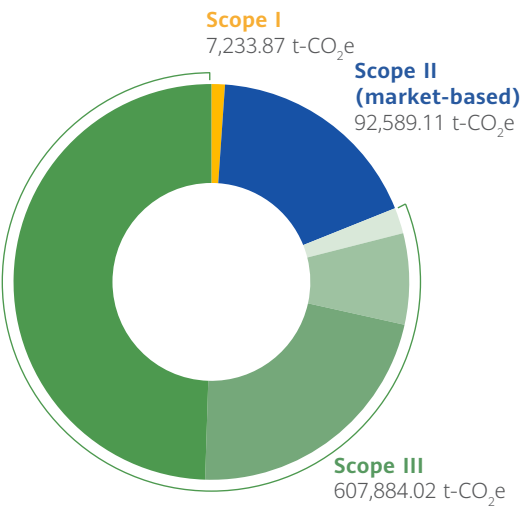
The SBTi validation not only demonstrates our commitment to climate change, but also signifies our determination and sense of responsibility to help keep the global temperature rise within 1.5°C. These validated targets guide us in achieving emission reduction across the entire value chain by 2040. And our collaboration with upstream and downstream enterprises will further promote the realization of scientific carbon targets and deepen energy transformation.

Greenhouse Gas (GHG) Emission Management

This initiative includes a low-carbon governance system to support our governance work plan and key objectives. By championing low-carbon operations, building green campuses, and implementing energy-saving technical transformation, we realize ongoing improvements in energy efficiency, increase the use of renewable energy, and better manage our carbon emissions. At our Antuoshan Headquarters (HQ), we have built a green, intelligent campus that integrates a PV system, energy storage system (ESS), and chargers, complying with near-zero-carbon campus construction standards. The campus includes multiple functional areas, such as offices,

training facilities, and labs. To enhance energy management and optimize usage onsite, we employed several innovative technologies, including building integrated photovoltaics (BIPV), refined ESS, fully liquid-cooled ultra-fast charging infrastructure, and an AI-based collaborative scheduling algorithm.

In 2024, we continued to conduct research on the status of our GHG emissions, providing data to formulate ways to further reduce carbon emissions and address climate-related risks.



GHG emissions of Huawei Digital Power in 2024

Category	GHG Emissions (t-CO ₂ e)	% of Total Emissions
Scope I ¹	7,233.87	1.02%
Scope II (market-based ²)	92,589.11	13.08%
Scope III: Purchased goods and services	415,939.99	58.77%
Scope III: Business travel	41,908.99	5.92%
Scope III: Downstream product transportation and distribution	109,501.99	15.47%
Scope III: Others ³	40,533.05	5.73%
Scope III (Total)	607,884.02	85.89%
Total emissions	707,707.00	100.00%

¹ Huawei Digital Power's Scope I GHG emissions in 2024 were calculated based on the proportion of Huawei Digital Power's operating revenue to that of the Huawei Group. Huawei surveys GHG emission sources within its organizations according to the scope, category, and calculation method provided in the *ISO 14064-1:2018 Standard*, *GHG Protocol*, and *IPCC Guidelines for National Greenhouse Gas Inventory*, and based on the Law for Running Control.

² Huawei Digital Power's Scope II GHG emissions in 2024 were calculated based on the proportion of Huawei Digital Power's operating revenue to that of the Huawei Group.

³ The "others" in Scope III include fuel- and energy-related emissions (not included in Scope I or II), upstream transportation and distribution, waste generated during operations, and employee commutes.

Energy Management

In our CSD, energy management is a major component of the Green Environmental Protection Strategy. We have formulated and implemented various management rules, such as the Energy Management Manual, the Procedure for the Control of Energy Review, and the Procedure for the Control of Running Energy, establishing a solid energy management architecture. Aiming to "integrate digital and power electronics technologies, develop clean power, and enable energy digitalization to drive the energy revolution for a better, greener future," we have implemented a data-driven, standardized, and technology-based energy management system that we continuously optimize. Our goal is to fulfill energy performance objectives, raise energy utilization efficiency, and increase the proportion of renewable energy in our energy mix. Through our ongoing efforts, we have obtained ISO 50001 energy management system accreditation.

Our main source of energy is electricity. During production and operations, we work to increase the proportion of clean energy in operations, improve the energy efficiency of our equipment, and optimize our electricity consumption policies. For example, we adopt energy-saving lamps and smart lighting systems, run high-power equipment during off-peak periods, turn off idle equipment, and run air conditioners at appropriate levels in labs. During the reporting period, at our Antuoshan HQ, we adopted a new operations strategy for the heating, ventilation, and air conditioning (HVAC) facilities and reconstructed the circulating coolant pumps of commercial air conditioners from industrial frequency to variable frequency. These measures achieved electricity savings of 112,600 kWh and avoided 60.42 tons of CO₂ emissions in 2024.

In 2024, Huawei Digital Power's proprietary campus¹ consumed a total of 38.448 million kWh of electricity.

38.448

million kWh

In 2024, Huawei Digital Power's proprietary campus consumed a total of 38.448 million kWh of electricity.

Water Resources and Sewage Management

Our water is supplied by the municipal water system and is used primarily for daily activities, such as office work, gardening, catering, and fire emergencies. We have set up a special team to manage, maintain, and operate our water supply and drainage system. We also invite qualified third-party suppliers to test the quality of the drinking water, water tanks, and domestic sewage every year.

We are committed to improving our water usage in our operations, deploying water-saving appliances and posting signs in the washrooms to encourage employees to save water.

In 2024, Huawei Digital Power's proprietary campus² consumed a total of 118,403 tons of water.

118,403

tons

In 2024, Huawei Digital Power's proprietary campus consumed a total of 118,403 tons of water.

¹ Huawei Digital Power's energy consumption and waste data mainly involves three business scenarios: office, manufacturing, and R&D lab. The office scenario refers to Huawei Digital Power's own campuses in Shenzhen, including the Antuoshan HQ and Futian Free Trade Zone. The manufacturing scenario refers to the manufacturing business related to Huawei Digital Power in Huawei Southern Factory. The R&D lab scenario refers to the business labs related to Huawei Digital Power. The data refers to the total energy consumption of Huawei Digital Power's own campuses, including the Antuoshan HQ and Futian Free Trade Zone. The energy consumption data of campuses shared with other businesses of the Group will be disclosed in the Group's report.

² Refers to the total water consumption of Huawei Digital Power's own campuses, including the Antuoshan HQ and Futian Free Trade Zone. The water consumption data of campuses shared with other businesses of the Group will be disclosed in the Group's report.

Waste Gas Management

Our waste gas is mainly generated by volatile organic compounds and canteen cooking smoke. We collect it in waste gas processing facilities on roofs for centralized treatment and subsequently discharge it as per standards. For canteen cooking smoke, we use standard purification units to process it and then discharge it as per standards. We invite qualified third-party environmental

testing agencies to test the exhaust gas emission outlets to avoid excessive emission.

In 2024, Huawei Digital Power's manufacturing business emitted a total of 1.73 tons of waste gas¹, mainly composed of volatile organic compounds.

1.73 tons

In 2024, Huawei Digital Power's manufacturing business emitted a total of 1.73 tons of waste gas, mainly composed of volatile organic compounds.

Solid Waste Management

Solid waste mainly refers to domestic, canteen, and hazardous and non-hazardous waste generated from our manufacturing processes and laboratories. We cooperate with qualified professional agencies to classify and process waste as per regulations. We also strengthen waste management on our campuses, actively recycle packaging materials, and aim to minimize the negative impact on the environment.

Category	Example	Processing Method
Non-recyclable waste	Domestic waste	Suppliers designated by the municipal government regularly sort, remove, and dispose of waste in a harmless way.
Canteen waste	Leftovers	Certified suppliers designated by the municipal government dispose of the waste in a harmless way.
Recyclable waste	Packaging cartons, plastics, and hardware scraps	Designated suppliers regularly sort and remove waste. A scrapping process applies to production waste.
Hazardous waste	Waste chemical containers	Stored at a designated location and recycled by a qualified company recognized by the Environmental Protection Bureau.
Engineering waste	Waste from remodeling	Stored at a fixed point on the construction site. Construction companies transport it for disposal.

The following shows the volume of solid waste produced by Huawei Digital Power in 2024.

6,387.5 tons

Household waste (non-hazardous waste)²

155.96 tons

Hazardous waste³

¹ Refers to the waste gas emissions of Huawei Digital Power's manufacturing business in Huawei Southern Factory.
² Refers to the domestic waste generated from Huawei Digital Power's office scenario, including the Antuoshan HQ and Futian Free Trade Zone.
³ Refers to the hazardous waste generated from Huawei Digital Power's manufacturing and R&D lab scenarios.

Packaging Material Management

We implement a robust sustainable packaging strategy, focusing on protecting our products while minimizing the use of disposable packaging. We also work closely with our supply chain to enhance recycling efforts and promote eco-friendly transportation.

Optimization of the Packaging Solution for the Utility-Scale ESS BMS Module

We use collective packaging instead of single packaging. Our packaging solution uses "one box for four pieces and 32 pieces per pallet" rather than "one box for one piece and 14 pieces per pallet," boosting the packaging efficiency. Within six months, we reduced our paper waste by 29.72 tons, EPE by 23.25 tons, thin film bag waste by 0.7 tons, and carbon emissions by 302 tons.



Implementing Green Manufacturing

Our manufacturing system is built based on the concept of "coexistence of manufacturing and greenness." While ensuring high-quality product delivery, we implement measures such as green design, process optimization, and device and facility energy consumption reduction to make our manufacturing green.

Simplified Screw Design, Reducing Raw Material Consumption

We use over 100 million screws annually in our products. By simplifying the design of screws—i.e., normalizing the thread specifications, head type features, engagement length, base material, and surface treatment—we have reduced the number of screw types and improved universality. We have also improved the quality and usage efficiency of screws by optimizing the design of clamping and riveting. Through special design and transformation, we have cut our screw consumption by 20% per year from the product design source, saving about 700 tons of steel annually and reducing carbon emissions of stainless steel screws by about 200 tons.

Simplified Green Aging, Reducing Test Energy Consumption

In 2024, Huawei Digital Power introduced advanced self-heating technology into the aging tests of inverters prior to delivery. By utilizing a test chamber equipped with fan speed control, we leveraged the product's own heat generation after power-on to reach the required high-temperature aging threshold. This innovative approach replaced the traditional method of relying on energy-intensive aging rooms to elevate temperatures. As a result, we not only ensured product performance and reliability, but also achieved a savings of over 1 million kWh of electricity—significantly enhancing overall energy efficiency.

Biodiversity

Our production and operations in China are located in industrial parks, which have minimal impact on the surrounding ecosystem and biodiversity. Nevertheless, we remain deeply committed to environmental stewardship. During site selection, design, and construction of renewable power plants and green ICT energy infrastructure, we carefully assess ecological factors and strictly adhere to all relevant environmental laws and regulations. Our overarching goal is to support our customers' green and low-carbon initiatives while actively contributing to environmental protection.

Building a Green Supply Chain

Huawei Digital Power recognizes its global responsibilities in supply chain carbon management. It remains committed to actively collaborating with suppliers worldwide to create a greener future, and continually reduce indirect carbon intensity throughout the value chain.

Huawei Digital Power has fully integrated low-carbon environmental protection requirements into its overall purchase strategy and business processes. We prioritize suppliers' performance in low-carbon environmental protection during authentication, selection, auditing, performance management, and material selection. We actively collaborate with suppliers, assisting them in calculating and assessing their current carbon emissions, and encouraging them to set and achieve carbon reduction goals. By the end of 2024, we had promoted organized-level carbon footprint verification among our top 102 suppliers, who contribute 90% of our total purchase amount. These suppliers have collected carbon emissions statistics, developed reduction plans, and implemented emission reduction projects.

Huawei Digital Power actively supports the Group's campaigns and has participated in the Green Choice initiative launched by the Institute of Public and Environmental Affairs (IPE). We have integrated the IPE's Blue Map environmental data search into our supplier self-checks and audits, encouraging suppliers to improve their management practices. We also require our suppliers to address and identify issues within

a specified timeframe to ensure environmental compliance. In 2024, Huawei Digital Power reviewed the environmental performance of key suppliers, identified issues with suppliers, and mandated their rectification within a designated timeframe.

Leveraging Huawei's global logistics system, Huawei Digital Power implements digital and green low-carbon management practices. We adhere to the ISO 14064 standard and utilize the calculation methods outlined in the GHG Protocol and the IPCC Guidelines for National Greenhouse Gas Inventories to measure carbon emissions from global transportation and warehousing. To reduce carbon emissions, we adopt low-carbon transportation methods, optimize our network layout and transportation routes, enhance the loading and reverse reuse rates of transportation tools, use recycled carriers and green packaging, and minimize landfill waste. Huawei's global logistics system spans over 170 countries and regions. It employs various transportation modes, including sea, air, railway, road, and multimodal transportation. We continuously enhance our logistics efficiency and reuse levels through informatization and streamlined operations, contributing to significant carbon emission reductions. In August 2024, the first carbon-neutral green maritime shipping order from Huawei Digital Power to Europe arrived at the designated warehouse in the Netherlands and passed third-party certification.



Pilot route for carbon-neutral green maritime shipping

Innovative Low-Carbon Products

Huawei Digital Power consistently invests in R&D and has established technical expertise in low-carbon energy products and solutions. We embrace a "Green, Low-Carbon, and Sustainable" development philosophy throughout the product life cycle, actively assessing and striving to reduce the carbon footprint of our main products. Our global R&D team and technology platform

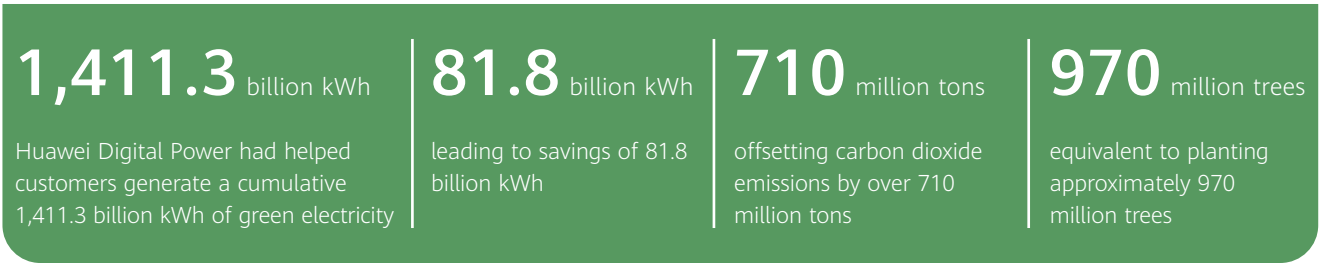
are supported by 13 R&D centers located in regions including China, Europe, and the Asia-Pacific Region. These centers bolster our operations in more than 170 countries and regions, contributing to global sustainable development. By the end of 2024, Huawei Digital Power had registered more than 2,000 patents.

2,000 patents

By the end of 2024, Huawei Digital Power had registered more than 2,000 patents

Huawei Digital Power is inherently green. We focus on clean power generation, mobility electrification, and green ICT energy infrastructure, offering green, intelligent, innovative products and solutions. In clean power generation, we have advanced the construction of a new power system centered on renewable energy. For mobility electrification, we have redefined the EV driving experience and safety, accelerating the adoption of green travel. In green ICT energy infrastructure, we have supported the development of green, low-carbon, and smart data centers and communications networks.

As part of our commitment to lowering emissions, Huawei Digital Power evaluates both the carbon and environmental footprints of each product in compliance with international standards such as ISO 14040, ISO 14044, and ISO 14067, as well as industry standards and customer requirements. During the reporting period, Huawei Digital Power continued to conduct product carbon footprint certifications for its main products, such as the PV inverter SUN2000-330KTL and grid-forming ESS LUNA2000-2.0MWH. The certification process helped evaluate carbon emissions generated at each lifecycle stage and identified opportunities for carbon reduction design improvements. Through continuous technological innovation, Huawei Digital Power collaborates with global partners to accelerate progress toward carbon neutrality. By the end of 2024, Huawei Digital Power had helped customers generate a cumulative 1,411.3 billion kWh of green electricity, leading to savings of 81.8 billion kWh and offsetting carbon dioxide emissions by over 710 million tons, which is equivalent to planting approximately 970 million trees.



Huawei Enables Grid Connection of the World's Largest Open-Sea Offshore PV Project

On November 13, 2024, the first batch of power generation units in the HG14 GW-level offshore PV project of Guohua Investment Shandong Branch, CHN Energy was successfully connected to the grid. This not only marks China's first grid-connected GW-level offshore PV project, but also the birth of the world's largest project of this kind. The project relies on more than 3,000 Huawei SUN2000-300KTL inverters to ensure the safe and stable operation of the PV system, marking a milestone for the application of Huawei's PV equipment in the offshore PV sector.

The HG14 offshore PV project is located in an open-sea area to the east of Dongying City, Shandong Province, and has a total installed capacity of 1 GW across 1,223 hectares. After the project was put into operation, it is expected to generate 1.78 billion kWh of

power annually, saving about 503,800 tons of standard coal and reducing carbon dioxide emissions by about 1.3447 million tons. Additionally, fishery-solar integration enables three-dimensional space utilization for both fishery breeding and PV power generation, with fishery breeding alone estimated to generate over CNY27 million in annual revenue.

The successful grid connection of the HG14 offshore PV project demonstrates China's technical innovation and expertise in the offshore PV field. It sets a new benchmark for the industry's large-scale global development, promoting the efficient use of marine areas and injecting new vitality into the development of offshore PV industries in China and beyond.

1.78 billion kWh

expected to generate
1.78 billion kWh of power
annually

503,800
tons

saving about 503,800 tons
of standard coal

1.3447
million tons

reducing carbon dioxide
emissions by about 1.3447
million tons



HG14 offshore PV project

Huawei's Green Target Network Solution Helps Zain Slash Carbon Emissions for a Greener Planet

Climate change is now a global priority, with the Middle East and North Africa particularly vulnerable to extreme weather events such as droughts and floods. There is growing consensus on the need to pursue carbon neutrality as a key strategy to mitigate climate-related risks. As a leading telecommunications operator in the region, Zain Group is actively advancing towards its climate commitment goals, aiming to achieve net-zero emissions by 2050.

As part of its efforts, Zain partnered with Huawei Digital Power in 2024 to deploy PV-powered sites in the remote desert areas of Kuwait. The "One Site, One Cabinet" solution replaced traditional equipment rooms, improving site energy efficiency from 55% to 90%. Huawei's innovative iSolar PV deployment solution was also introduced to replace gensets,

enhancing durability, shortening the runtime by 73%, saving 18,000 liters of fuel, and reducing carbon dioxide emissions by 49 tons. Zain also deployed energy-saving technologies such as Meta AAU, ultra-broadband RRU, and extremely large antenna array (ELAA) to build a green network, significantly improving site energy efficiency for sustainable development.

Huawei has helped Zain deploy its green network solution in multiple countries across the Middle East, including Kuwait and Saudi Arabia. More than 1,800 PV sites have been upgraded, which is expected to reduce carbon emissions by 150,000 tons annually, equivalent to planting 4.8 million trees each year. This significantly contributes to Zain's goal of achieving net zero emissions by 2050.



Zain's green network solution

Huawei Helps Boda Data Build a Computing Hub in the Guangdong-Hong Kong-Macao Greater Bay Area

The Boda Data Qianhai Intelligent Computing Center is located in Shekou, Shenzhen. The entire campus represents an investment of approximately CNY2 billion and covers nearly 50,000 square meters. It is designed to house 15,000 server racks, with Phase I alone capable of delivering 40,000P of computing power. This is a forward-looking data center built to support intelligent computing services and rapid development.

The data center's massive computing services require both a stable, reliable power system and high space usage

effectiveness for IT equipment. To meet these requirements, Boda Data chose Huawei PowerPOD 3.0 to build a power supply and distribution system that is designed for space efficiency, energy savings, and operational simplicity. The solution reduces the installation footprint by 40% through an integrated design, leaving more space for deploying IT racks. By achieving an end-to-end efficiency of 97.8%, the solution cuts energy consumption by 60%. This improvement ensures that the intelligent computing center operates with maximum reliability and efficiency, while substantially reducing its carbon emissions.



Boda Data Qianhai Intelligent Computing Center

Huawei DriveONE: Building Optimal E-mobility Solutions for EVs

Huawei DriveONE leverages Huawei's technical expertise in the ICT field to create optimal e-mobility solutions featuring top-tier components, efficient and competitive powertrains, intelligent converged domain control, and cross-domain collaboration systems for EVs.

In 2024, Huawei DriveONE proposed a product concept of "10 km Range per kWh" and developed an integrated e-mobility solution that enables EVs to deliver optimal energy efficiency. The solution has been successfully applied

to A-segment vehicles. In the same year, Huawei DriveONE launched a distributed power solution configurable with three or four motors. These solutions use industry-leading technologies to drive growth in the EV industry.

Huawei DriveONE has been strengthening its collaboration with multiple automobile enterprises to accelerate vehicle electrification and reduce carbon emissions in the transportation sector. By the end of 2024, Huawei DriveONE products and solutions had been installed in over 1 million EVs.



Huawei DriveONE e-mobility solutions for EVs

Empowering with Digitalization

Digital technologies like cloud computing and AI are ushering in a new era of rapid intelligent development. Recognizing the potential for renewable energy, especially solar power, to become the leading source in the global energy market, Huawei Digital Power remains committed to our core principle of "Bits Manage Watts." By seamlessly integrating digital technology with energy solutions, we aim to create "digital twins" for both the digital and energy sectors. This approach enables us to provide efficient, intelligent, safe, and accessible energy products and solutions for various industries.

UN SDGs supported by Huawei Digital Power:



Promoting Increased Efficiency

Digital technologies play a key role in generating, transmitting, distributing, and using energy. Huawei Digital Power uses digital technologies such as big data, cloud, and AI to power each phase of the energy process—including energy production, transmission, trading, and consumption—digitalize energy and resources, and make energy production and use more efficient.

More Efficient Charging

Electrified transportation is a key path toward global carbon neutrality. Today, the automotive industry is quickly evolving from using fossil fuels to EVs. It is crucial to build high-quality fast and ultra-fast charging infrastructure and improve user charging experience to accelerate EV market penetration. With a deep understanding of the industry's challenges, Huawei Digital Power is dedicated to enhancing core technologies that boost the efficiency of charging facilities, improve customer experience, and accelerate the electrification of transportation.

Huawei Facilitates Deployment of the First Megawatt-Charging Intercity Logistics Trunk Line in China

In 2024, Huawei assisted customers in deploying the first megawatt-charging intercity city logistics trunk line in China—a dedicated ultra-fast charging line from Linyi to Qingdao Port, thereby establishing a demonstration zone for robust provincial transportation in Shandong. Huawei Digital Power's FusionCharge Megawatt Charging Solution provides a stable, continuous, high-current output of 2400 A through two charging connectors. This enables ultra-fast charging in just 15 minutes, boosting

charging efficiency by four times. Electric heavy goods vehicles (HGVs) can travel 100 km after being charged for 5 minutes, and require charging only once every 200 km, saving one hour per charge. This significantly improves logistics efficiency, substantially reduces the energy cost per kilometer, and helps the logistics industry achieve large-scale cost and carbon reduction, accelerating the transition of electric HGVs toward a fully electric era.

15 minutes

Enabling ultra-fast charging in just 15 minutes

4 times

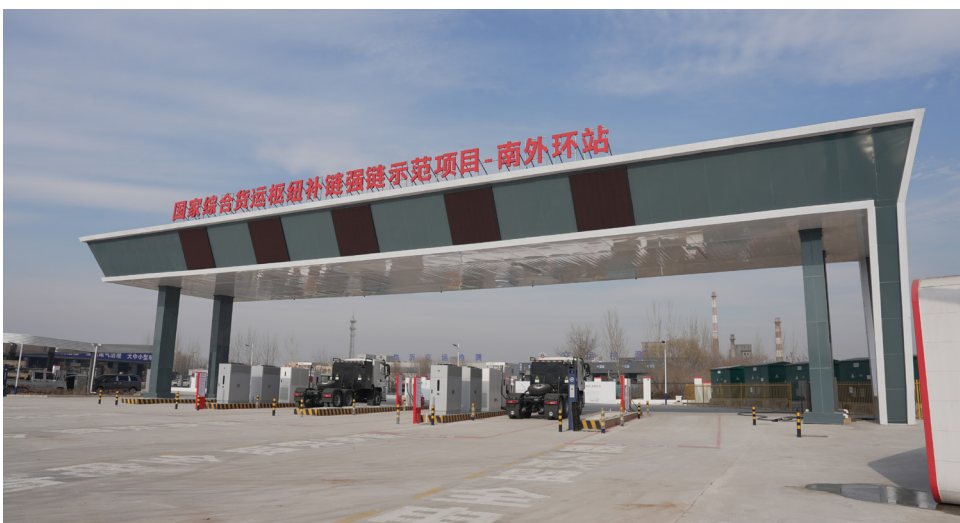
Boosting charging efficiency by four times

200 km

Charging only once every 200 km

1 hour

Saving one hour per charge



First megawatt-charging intercity logistics trunk line in China

Higher Energy Efficiency

Data centers are at the heart of the digital economy. When designing large data centers, Huawei uses the EHU indirect evaporative cooling solution to maximize the use of natural cooling sources, significantly reducing energy consumption and greenhouse gas emissions in data centers.

Huawei Collaborates with China Energy Engineering Corporation to Construct a Benchmark Data Center, Aligning with the "Eastern Data, Western Computing" Initiative

In 2024, Huawei assisted China Power Engineering Consulting Group Co., Ltd. (CPECC), a subsidiary of China Energy Engineering Corporation (CEEC), in building the Qingyang Big Data Center Industrial Park in Gansu. This project is the first "Data and Energy Integration" initiative under China's "Eastern Data, Western Computing" strategy. With a total investment of CNY4.2 billion (approximately US\$580 million), it deploys about 24,000 standard server racks, providing a computing power of 26,000 petaflops, equivalent to 13 million computers running simultaneously. This makes it a key engine for advancing the robust growth of the regional digital economy.

The Qingyang Big Data Center establishes a robust energy foundation by adopting a hyper-converged design that features Huawei's PowerPOD 3.0, EHU indirect evaporative cooling solution, and powerful AI computing capabilities. Huawei's PowerPOD 3.0 deeply integrates the entire power supply

and distribution chain to enhance energy efficiency control. It increases single-cabinet power density, saves 40% of space, elevates the power supply efficiency to 97.8%, and effectively reduces power consumption by 60%. The EHU indirect evaporative cooling solution maximizes the use of natural cooling sources to lower the temperature in server rooms. This reduces reliance on air conditioning units and substantially decreases the energy consumption of the cooling system. The distributed architecture enhances security and reliability by ensuring that each piece of equipment operates independently. This "one power system per container, one cooling system per container" design ensures service continuity and zero impact from equipment faults. It meets the core indicator requirements of $PUE \leq 1.2$ and $WUE \leq 1.1$ for hub nodes, establishing a highly efficient, energy-saving, and reliable data center that provides robust support for the development of the digital economy.

40 %

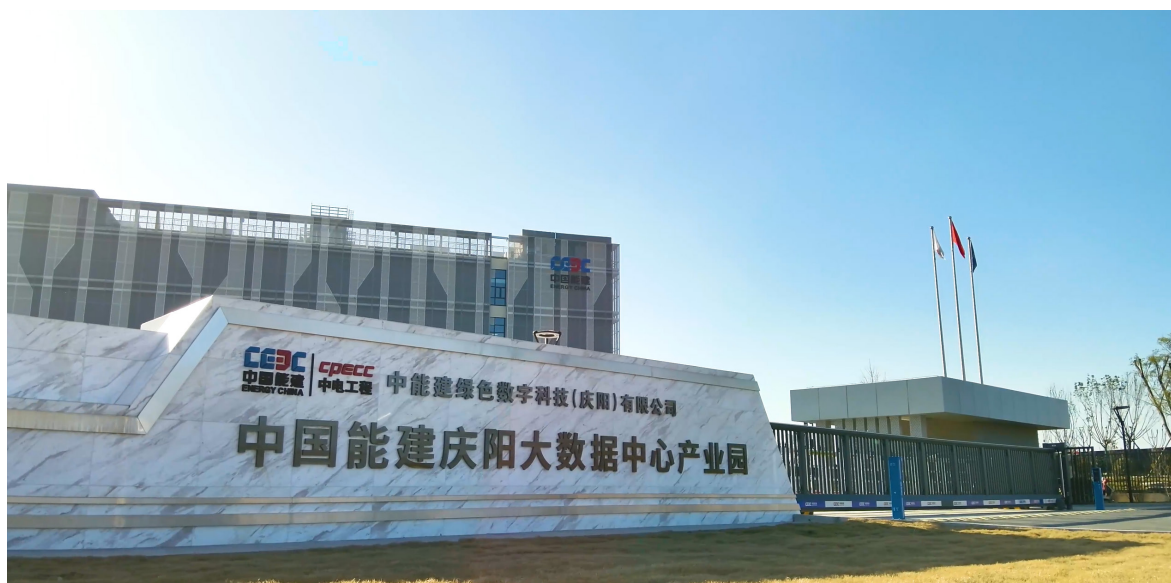
Saving 40% of space

97.8 %

Elevating the power supply efficiency to 97.8%

60 %

Effectively reducing power consumption by 60%



"Eastern Data, Western Computing"—Qingyang Big Data Center Industrial Park in Gansu

Supporting Intelligent Innovation

The integration of ICT energy infrastructure with digital technology not only eliminates the need for extensive manual calculations but also enhances the energy infrastructure's ability to predict and prevent issues using vast amounts of data. Huawei Digital Power has embraced big data and AI technologies to develop innovative digital solutions, driving digital construction and enabling automated and intelligent O&M across all business scenarios.

Innovative Solutions

With the constant rise in renewable energy penetration, the energy storage industry is entering a golden age. Leveraging its extensive experience in power electronics and digital technologies, Huawei Digital Power integrates electrochemistry, thermal management, and safety design to develop the industry-leading Smart String Grid Forming ESS Platform. This ESS addresses the inconsistencies and uncertainties of lithium batteries through the controllability of power electronics. Huawei Digital Power has developed a technical capability platform in ESS safety spanning the entire lifecycle, from materials to intelligent sensing, cells to grids, and architecture design to safety protection. All of this contributes to the healthy development of the energy storage industry.

Huawei's Smart String Grid Forming ESS: Key Technologies and Applications Successfully Pass Technical Appraisal

In July 2024, an appraisal meeting for the "Key Technologies and Applications of Smart String Grid Forming Energy Storage Systems for High Penetration of Renewable Energy in Multiple Scenarios" was held in Beijing. After evaluation and appraisal by 13 technical experts from institutions, including the Chinese Academy of Sciences, State Grid Corporation of China, and China Energy Investment Corporation, Huawei's Smart String Grid Forming ESS was unanimously recognized as being suitable for various application scenarios, including strong-grid, weak-grid, and off-grid scenarios. Its technical performance was assessed as internationally leading.

To enhance the operational reliability of new power systems and increase the grid integration of renewable energy, Huawei launched the Smart String Grid Forming ESS, achieving innovative breakthroughs in several key technologies.

- **Multi-site self-synchronized amplitude and frequency regulation** enables self-synchronized parallel grid connection, facilitating grid forming operation in various scenarios and under all working conditions, active grid support, effective suppression of circulating currents, and reliable, large-scale, self-synchronized operation for multiple sites.
- **Wideband self-stabilizing and stabilizing control** enables reliable grid connection and damps wideband oscillations for various grid sizes and strengths. It enhances the system's ability to operate reliably in parallel with multiple types of power sources, thereby expanding the range of applications.
- **Voltage and active power decoupling control within the innovative dual-stage conversion architecture** enhances ESS availability and safety, while improving capacity expansion and upgrade capabilities. Additionally, AI and refined, digital smart battery management technology are used to maintain

a consistent power output across the SOC range and provide advance warnings for various faults.

- **Power modules and control chips used in the grid-forming ESS** are manufactured through the transfer molding process, which adopts moisture-resistant materials to enhance long-term operational reliability in complex and harsh environments. Additionally, Huawei has developed a reliable capability system for designing and manufacturing core underlying components.

These technologies have been successfully applied in multiple projects, including those in Hami, Northwest China; Golmud, Qinghai; and Ngari, Southwest China. They have undergone comprehensive function and performance testing. This achievement represents a significant and original contribution to the development of grid-forming technology, showcasing Huawei Digital Power's R&D and innovation capabilities and continuously advancing the high-quality development of the energy storage industry.



Smart String Grid Forming ESS technical appraisal meeting

Smart Energy Conservation

In the era of intelligent computing, computing power is the key to productivity. Data centers serve as the core infrastructure that transforms electricity into computing power, maximizing the output of every watt. Huawei Digital Power effectively addresses users' challenges by employing a high-temperature chilled water fan wall solution and an intelligent energy efficiency optimization system to achieve smart energy conservation.

Huawei PowerPOD 3.0 Powers the Construction of the Wuhan Supercomputing Center

Wuhan Supercomputing Center is the largest prefabricated modular supercomputing center in China, with a planned computing capacity of 200 petaflops. It is dedicated to providing high-performance computing services for cutting-edge scientific research fields. With a power density of 66 kW per rack, the Wuhan Supercomputing Center has extremely high requirements for power reliability and power usage effectiveness (PUE). To ensure the rapid deployment and operational reliability of its computing services, requirements for rapid construction, energy savings, and carbon reduction were proposed from the early planning and construction phase.

The project uses Huawei's PowerPOD 3.0 to create a high-density, high-efficiency, and highly reliable integrated power supply system. Huawei's solution reduces the installation footprint by over 40%, achieves a power supply efficiency of up to 95.6%, saves approximately 1 million kWh of electricity annually, and reduces carbon emissions by 600 tons. Additionally, the project incorporates Huawei's iCooling@AI energy efficiency optimization solution to achieve precise cooling, effectively reducing the PUE by over 8% and meeting the high-efficiency operation and green energy-saving requirements of the supercomputing center.



Wuhan Supercomputing Center

40 %+

Huawei's solution reduces the installation footprint by over 40%

95.6 %

Achieving a power supply efficiency of up to 95.6%

1 million kWh

Saving approximately 1 million kWh of electricity annually

600 tons

Reducing carbon emissions by 600 tons

Ensuring Safety and Reliability

As digitalization and intelligence progress, the advanced self-learning and analytical capabilities of technologies like big data, cloud computing, and AI are driving the intelligent evolution of energy systems and significantly enhancing their safety performance. Huawei Digital Power integrates digital technologies with energy products to boost equipment safety and reliability, implementing proactive risk intervention. This ensures that equipment operates stably, efficiently, and reliably, even in the most challenging environments.

Huawei's PV+ESS Solution Delivers Uninterrupted Power Supply to 13 Medical Centers in Peru

In recent years, Peru has significantly widened healthcare coverage, with over 80% of its residents now able to access essential healthcare services. However, community healthcare centers face substantial electricity consumption as they require a reliable power supply for daily lighting, operation of medical equipment, patient care, and cold chain storage of medicines. In Peru, some medical centers have suffered significant losses in their cold chain storage areas for vaccines and critical medicines due to power outages, and the obstetrics and gynecology departments have also been considerably affected.

In 2024, Huawei collaborated with its partners Novum Solar and ELECTROPERU to offer a comprehensive Smart PV+ESS solution to 13 medical institutions in Peru. Huawei's PV inverters deliver exceptional conversion efficiency. The Smart String ESSs provide a high energy yield throughout the lifecycle, meeting the daily electricity consumption of medical institutions while offering a better return on investment (ROI). By applying Huawei's Smart PV+ESS solution, the service quality and efficiency of community medical centers in Peru have significantly improved. The solution delivers a reliable power supply, providing a robust foundation for the sustainable development of medical institutions and enabling residents to access higher-quality, essential healthcare.



Comprehensive Smart PV+ESS solution for a medical institution in Peru

Huawei PowerPOD 3.0 and High-Temperature Chilled Water Fan Wall Obtain TIA-942 Rated 1 to 4 Certification

In January 2024, Huawei PowerPOD 3.0 and High-Temperature Chilled Water Fan Wall received the TIA-942 Rated 1 to 4 product certification from EPI, an internationally recognized data center certification authority. The two products have achieved the highest international standards in reliability and availability, marking another solid step forward in end-to-end security for Huawei's data center product solutions.

Huawei PowerPOD 3.0 and High-Temperature Chilled Water Fan Wall are the world's first data center power supply product and cooling product to achieve the TIA-942 certification. Huawei PowerPOD 3.0 implements full-link visualization, management, and control. It monitors copper

bar temperatures in real time and leverages AI temperature prediction to provide low-load high temperature warnings. This enables proactive risk and lifespan predictions for critical components and vulnerable parts, preventing potential issues before they occur. The core components of the Huawei High-Temperature Chilled Water Fan Wall feature a fully modular design. The innovative architecture implements continuous cooling, ensuring zero interruptions during the switchover between the active and standby power supplies. This eliminates the risk of server overheating during the switchover, ensuring safe and stable operations.



TIA-942 Rated 1 to 4 certification

Huawei's Smart Modular Data Center Solution and UPS Empower Seres to Build a "Super Brain"

Located in Chongqing, the Seres Super Factory is the manufacturing hub for Huawei's AITO series. Spanning an area of 1.838 square kilometers, this factory houses over 1,600 intelligent devices and more than 3,000 robots working together in a highly automated process to produce electric vehicles. At the core of the intelligent applications at the Seres Super Factory is its "super brain"—the Seres Data Center. This smart foundation ensures every operation of the factory's production is organized, stable, and highly efficient.

The Seres Data Center has innovatively adopted the Huawei FusionModule2000 smart modular data center solution, which integrates power supply and cooling subsystems to achieve a "one module, one data center" design. The solution boasts

strong environmental adaptability and can be deployed in just 7 days, setting a new benchmark for speed in modular data center construction. The solution utilizes aisle containment to isolate hot and cold air, and deploys in-row air conditioners for close-coupled cooling. It maximizes the use of natural cooling sources through refrigerant pumps to achieve an ultra-low PUE, making the data center greener and more efficient. The data center utilizes Huawei's UPS5000-H to provide continuous power to its equipment. In S-ECO mode, the system achieves an efficiency of 99.1% and features 0 ms switching across all modes, ensuring a stable, reliable, and uninterrupted power supply.



Seres Data Center

Huawei's FusionSolar Solution Delivers Renewable Power Supply to The Red Sea Destination in Saudi Arabia

The Red Sea destination is a key project in Saudi Arabia that aligns with the nation's ambitious Vision 2030 agenda. Its first phase features a 400 MWp PV plant, complemented by a 1.3 GWh ESS leveraging Huawei's Smart String Grid Forming ESS Platform. The project features smart microgrid technologies, including large-scale grid forming, powerful microgrid fault ride-through, self-synchronous black start across 100 kilometers in minutes, and cell-to-grid active safety. These

technologies work seamlessly together to ensure end-to-end stability and reliability for The Red Sea destination's microgrid. After going fully operational in September 2023, the project had delivered over 1 billion kWh of green electricity by September 2024 to various urban utilities, including airports and hotels, as well as desalination, sewage treatment, and chiller plants. This makes it the world's inaugural city-scale microgrid powered by 100% renewable energy.



The Red Sea destination

Promoting Access to Clean Energy

In the future, renewable energy, particularly from wind and solar power, will be central to the energy transition and essential for expanding electricity access due to its sustainable nature. To help realize this future, Huawei Digital Power, as a global leader in digital power products and solutions, is committed to enhancing the access to clean and affordable energy in off-grid areas while exploring a clean energy system in which technology and nature co-exist in harmony.

Promoting Clean Energy

As a renewable energy source, solar power is crucial for improving poor power quality in areas with weak grids. We are committed to leveraging our products, including Smart PV and ESS, to enhance grid flexibility and extend the benefits of clean energy to more regions.

Huawei Partners with PowerChina to Launch Indonesia's Largest Ground-mounted PV Project, Advancing Global Clean Energy Adoption

In July 2024, the 100 MW Karawang PV project, co-developed by Huawei Digital Power and PowerChina Hubei Engineering Co., Ltd., was successfully connected to the power grid. This project is the largest ground-mounted PV power plant in Indonesia, and serves as a model for Chinese enterprises contributing to the global advancement and adoption of clean energy.

The Karawang PV project is located in the Karawang Industrial Park, West Java Province, Indonesia. Spanning an area of 80 hectares with a total installed capacity of 100.78 MWp, it comprises five land parcels and 24 power generation units. The project features Huawei Digital Power's most advanced

smart string inverter technology and unique Smart String-Level Disconnection (SSLD). These leading innovations ensure stable output even under high temperatures and complex climatic conditions while mitigating fire risks, thereby safeguarding both the power plant and the surrounding rainforest. Additionally, the intelligent O&M function enables remote monitoring and optimization of the power plant's operational status, further reducing maintenance costs and enhancing overall efficiency. The project produces 146,000 MWh of renewable electricity each year. It drives local economic growth, improves the energy mix, and serves as a model for advancing clean energy worldwide.



Karawang ground-mounted PV project in Indonesia

Huawei Enables Grid Connection of Huaneng Binzhou New Energy's 850 MW PV Power Generation Project

In December 2024, the first batch of 600 MWp PV power units in Huaneng Binzhou New Energy's 850 MW PV project was successfully connected to the grid. The project is China's first offshore PV project with confirmed marine area rights. It is currently the largest renewable energy project built by the Huaneng Shandong Company. After full-capacity grid connection, the project is expected to produce an annual output of about 1.286 billion kWh of clean energy, while greatly reducing carbon dioxide emissions.

Huawei provides about 3,000 SUN2000-300KTL inverters across the project. These inverters feature reliable power generation performance and higher conversion efficiency. Advanced technologies, including Smart String-Level Disconnection (SSLD) and Smart I-V Curve Diagnosis, enhance safety and enable intelligent O&M, providing robust support for long-term, reliable power generation. This project is a testament to China's technological capabilities in the field of marine PV systems, further advancing the development of offshore clean energy, enhancing the comprehensive utilization of marine areas, and infusing new vitality into the growth of offshore PV industries both nationally and globally.



Huaneng Binzhou New Energy's project

Huawei FusionCharge Solution Powers the World's Highest-Altitude, Liquid-Cooled Ultra-Fast Charging Station Equipped with PV+ESS

The liquid-cooled, ultra-fast charging station is located in the parking lot at the North Gate of Mount Qomolangma National Park. The station employs Huawei FusionCharge ultra-fast charging solution, a key factor in overcoming the technical challenges of the integrated project design and construction of the PV+ESS+charger+load system at extremely high altitudes. It is equipped with three charging power units, four 600 kW ultra-fast charging connectors, and sixteen 250 kW fast-charging connectors, covering 20 parking spaces. With 150 kW of installed PV capacity and 200 kWh of energy storage, the charging station is expected to generate an annual electricity output

of approximately 236,800 kWh, offsetting carbon dioxide emissions by about 135.05 tons annually.

In collaboration with its partners, Huawei has deployed ultra-fast charging stations at 22 sites along the G318 Highway in Southwest China, including service areas and gas stations in Tianquan, Mount Zheduo, Mount Kazila, Litang, Sangdui, Lhasa, Nyingchi, Norbulingka, and Mount Qomolangma. This initiative aims to further advance the development and adoption of electric vehicles and their charging infrastructure across the region.

236,800 kWh

Generating an annual electricity output of approximately 236,800 kWh

135.05 tons

Offsetting carbon dioxide emissions by about 135.05 tons annually



Liquid-cooled ultra-fast charging station equipped with PV+ESS at Mount Qomolangma

Enabling Ecological Protection

Human activities have a significant impact on the natural environment, exacerbating fluctuations in the ecological system. As public awareness of ecological issues grows, environmental protection and remediation have become increasingly important. Huawei Digital Power is actively exploring solutions that promote the harmony between technology and nature. One such example is Huawei's One-Fits-All solution, which drives renewable energy adoption while protecting the environment.

Huawei Smart PV+ESS Solution Facilitates Low-Carbon Transformation of PTBA's Mining Operations in Indonesia

In recent years, the rapid economic development of Indonesia has driven a significant increase in the demand for mineral energy. As one of the country's top three coal producers, PT Bukit Asam Tbk (PTBA) aims to produce an annual output of 16 million tons of coal and 118 million bank cubic meters (BCM) of overburden, requiring a substantial amount of electricity. However, because the mining area is located in a remote area without a mains supply, the company has historically relied on diesel generators for power, leading to high carbon emissions during production and severe pollution to the surrounding ecosystem.

In 2024, PTBA installed a 615.6 kWp Smart PV system equipped with a 200 kWh ESS. The Huawei SUN2000 series inverters and modular PV+ESS microgrid effectively replaced traditional diesel generators, providing clean, reliable, and safe power for heavy mining equipment in the mining area. Huawei's solution reduced operational costs by about 50%, minimized environmental and noise pollution, and cut carbon emissions by about 423,000 tons annually—equivalent to planting 23,000 trees each year. These outcomes significantly protect Indonesia's natural resources and environment, contributing to the country's goal of achieving net-zero carbon emissions by 2060.

50 %

Reducing operational costs by about 50%

423,000 tons

Cutting carbon emissions by about 423,000 tons annually



Smart PV project for a mining area in Indonesia

Responsible Operations

With the increasing integration of the physical and digital realms, technologies such as cloud computing, AI, and big data present both opportunities and challenges for business transformation. As a responsible multinational enterprise, Huawei Digital Power is committed to providing safe and trustworthy products and solutions. We strive to create more value for our customers and establish better platforms for our partners. We strictly adhere to business ethics, and continuously improving our compliance and service levels by aligning with industry best practices and integrating honest operations and sustainable development into our management process, including supplier management. Overall, we aim to contribute to social progress and sustainable economic growth.

UN SDGs supported by Huawei Digital Power:



Providing Excellent Services

With the rapid development of the digital economy, enterprises are increasingly concerned about stable, high-quality products, cyber security, and privacy protection. Huawei Digital Power continuously enhances the quality of its products, solutions, and services. It also builds a comprehensive defense system to safeguard cyber security, protect user privacy, provide customers with a secure and trustworthy service experience, and help them strengthen their network resilience.

Quality Management

Huawei Digital Power places a high priority on quality management, following the principle of "Winning with Quality" and striving to make quality the core of our competitiveness. We have developed and implemented the quality policy, continuously enhanced our quality management system, and rigorously applied all relevant standards. To support these efforts, we have established a quality competence team. This team is tasked with promoting the implementation of Huawei Digital Power's quality competence improvement activities and upholding the "Safety First, Quality Upmost, Winning with Quality" motto. Huawei Digital Power offers tailored training programs to different stakeholders. For instance, service partners and internal employees receive training on the ISO 9000 system, cybersecurity, privacy protection, and core quality management philosophies to boost quality awareness. Additionally, internal employees are trained in Failure Mode and Effects Analysis (FMEA), Theory of Inventive Problem Solving (TRIZ), Six Sigma, and Quality Control Circle (QCC). These programs aim to enhance employees' quality and business skills, ultimately improving customer service and satisfaction.

Management System Certifications Obtained by Huawei Digital Power Technologies Co., Ltd.

 GB/T 19001-2016 ISO 9001:2015 TL9000-HSV R6.3/R5.7 Quality Management Systems	 GB/T 24001-2016 ISO 14001:2015 Environmental Management Systems	 GB/T 23331-2020 ISO 50001:2018; RB/T 107-2013 Energy Management Systems 
 GB/T 45001-2020 ISO 45001:2018 Occupational Health and Safety Management Systems	 ISO 28000:2022 Supply Chain Security Management System	 ISO 26262:2018 Road vehicles – Functional safety 
 ANSI/ESD S20.20-2021 IEC 61340-5-1:2016 Protection of electronic devices from electrostatic phenomena - General requirements	 IATF 16949:2016 Quality Management System for the Automotive Industry	 ISO 22301:2019 Business Continuity Management System 

Product Safety

At the inception phase of product design, Huawei Digital Power prioritizes product quality and safety. The design scheme incorporates the "Five Nos and Three-friendly" principles: No Injury, No Explosion, No Fire, No Spreading, No Breakdown, Grid-friendly, Environment-friendly, and Load-friendly. Using FMEA, the company enhances the identification and mitigation of potential quality and safety risks from the outset. This approach ensures strict control over the quality of incoming materials, maintaining high standards from the very beginning. Before shipment, we rigorously test each product to ensure quality. For instance, every inverter undergoes a series of tests, including drop, dust-proof,

wind-blowing and raining, icing, noise, EMC, and lightning tests, in the testing laboratories. Each inverter must meet the IP66 protection level before being shipped. All of Huawei Digital Power's products comply with the product standards mandated by the laws and regulations of target countries. Each product is accompanied by a Regulatory Compliance Statement, Safety Manual, Installation Guide, nameplate, certification mark, and Emergency Response Guide, ensuring operational safety. Huawei Digital Power continuously assesses and analyzes potential product safety risks, driving innovation and exploration to further enhance product safety performance.

Huawei's ESS Platform Becomes the First to Achieve the World's Highest-Level Safety Certification from TÜV Rheinland

In December 2024, Huawei Digital Power and TÜV Rheinland jointly completed ESS safety tests on Huawei's Smart String Grid Forming ESS Platform (LUNA2000-4472 series and LUNA2000-215 series). As a result, Huawei Digital Power has become the first to receive the world's highest-level (Prime) certificate for ESS safety from TÜV Rheinland, marking a significant milestone in the industry. This certification underscores the unparalleled safety capabilities of the Smart String Grid Forming ESS Platform developed by Huawei Digital Power.

ESS safety is the foundation for the sustainable and high-quality growth of the renewable energy industry. To achieve this, Huawei Digital Power has invested heavily in the quality and safety fields. By upgrading the traditional container-level thermal runaway control to the pack-level thermal runaway control, Huawei Digital Power has raised the bar for ESS safety, providing higher-level protection. With safety as its top priority, Huawei Digital Power is driving the healthy and sustainable development of the energy storage industry and significantly contributing to the development of clean, low-carbon, safe, and efficient new power systems.



Huawei Smart String Grid Forming ESS Platform achieves the highest-level (Prime) certification for ESS safety

Cyber Security and Privacy Protection

By upholding the cyber security value "Right-minded, Trustworthy, Capable, Responsible, Open, and Transparent," observing local laws and regulations, and international standards, and referring to supervisory agency and customers' requirements and industrial standards, Huawei Digital Power continuously builds up an effective, sustainable, and trustworthy cyber security and privacy protection management system. This system is established and implemented end-to-end, covering policies, process, tools, technologies, and specifications. Huawei Digital Power emphasizes third-party cyber security and data protection. It has developed a supply chain security management system and established an emergency response mechanism to address and mitigate suppliers' vulnerabilities, further ensuring data security. During the reporting period, Huawei Digital Power did not receive substantiated complaints regarding customer privacy infringement or data loss.



Set up a chief cyber security and privacy protection officer organization to report to Huawei Digital Power's executive management team (EMT) at regular intervals. The chief cyber security and privacy protection officer shall lead us in formulating cyber security and privacy protection strategies, unifying the plan and management, and supervising the cyber security organization architecture and business of relevant departments in charge of R&D and the supply chain, in order to ensure the cyber security implementation quality in all departments.



Huawei Digital Power has seamlessly integrated cybersecurity and privacy protection into its business processes, including product development and O&M. By incorporating the Integrated Product Development (IPD) process, we ensure all products adhere to cybersecurity and privacy protection baselines, and comply with the design specifications of various countries and industry standards. Utilizing the Enterprise Security Competence Framework (IPDRR), we have established a resilient network capable of full identification, protection, detection, response, and recovery against threats across the cloud, transmission lines, and local environments. During the reporting period, Huawei Digital Power's power plant controllers received IEC 62443-4-2 certification for industrial control systems. Additionally, our residential inverters were awarded the ETSI EN 303 645 v2.1.1:2020-06 certification for IoT security and the RED certification.



For all employees, we routinely organize cyber security and privacy protection awareness training, education, and exams, and provide special training for managers and high-risk groups, making employees fully aware of the importance of cyber security and privacy protection.

Cyber Security and Privacy Protection Management System Certificates Obtained by Huawei Digital Power Technologies Co., Ltd.



Customer Service Quality

Focusing on customer demands, Huawei Digital Power is committed to ensuring high quality and efficiency in its products, solutions, and services, continuously enhancing service levels. We strive to standardize service processes and respond swiftly to customer needs. To improve customer satisfaction, we analyze the root causes of issues and implement targeted improvement measures, aiming to enhance services and prevent recurrence of issues.

Service and Technical Support

Huawei Digital Power is dedicated to enhancing user experience and continuously improving the standardization of service processes. For technical teams and partners, we establish system-based, standardized, and professional service and support requirements. By enhancing our training system, we provide targeted training for personnel involved in R&D, IT, sales, and service, covering areas such as product service and quality, and language skills.

Serving over 3 billion people in more than 170 countries and regions, Huawei Digital Power responds swiftly to diverse customer demands. We have established focused service organizations and platforms, and deploy technicians to address after-sales issues promptly and efficiently. Our technicians are required to respond quickly to various products and customer groups, ensuring timely fulfillment of customer needs.



Customer Satisfaction

Huawei Digital Power is committed to its core value of being "Customer-centric". To uphold this, we have established a customer satisfaction management and complaint handling mechanism in line with the *Regulations on Digital Power Customer and Partner Satisfaction Management*. Besides that, we have set up a business satisfaction representative team (BSRT) to oversee daily customer and partner satisfaction.

To better understand customers' demands for services and product quality, Huawei Digital Power regularly engages a third-party agency to conduct customer satisfaction surveys. These surveys include online questionnaires, telephone interviews, and face-to-face meetings, focusing on product competitiveness and experience on collaborative touchpoints with customers and partners, providing valuable insights for improving our products and services. In 2024, we conducted customer satisfaction and partner system health surveys across seven regions including China, Europe, and Asia Pacific, covering business domains such as Smart PV & ESS and Data Center Facility & Critical Power. We received nearly 3,000 responses with valid feedback and produced nearly 30 survey reports classified by business domain and region. The feedback has helped Huawei Digital Power better understand customer needs and expectations, identify real gaps, and drive business progress.

We have set up a "400 Return Visit Hotline" and established a customer return visit mechanism for problem tracing and prompt closed-loop handling. In 2024, we responded to and processed approximately 780,000 issues from customers and partners through closed-loop handling. During the reporting period, Huawei Digital Power focused on high-value customers to launch the special "Warm Sunshine" campaign, convening a total of 130 special meetings, routine meetings, and workshops to exchange ideas with customers. In the future, we will continue to hold opinion-soliciting meetings with high-value industry customers. By aligning these meetings with business schedules, we aim to comprehensively understand customer needs and improve overall customer satisfaction.

Customer Complaint Handling

Huawei Digital Power actively listens to customer feedback and ensures the timely, effective resolution of complaints through a closed-loop process. We have established comprehensive business processes to address technical and supply demands, issue-to-resolution, non-technical issues, major complaints, and customer and partner feedback. Dedicated teams are in place to record, review, analyze, and resolves issues, followed by return visits to ensure satisfaction.

We have created efficient communication channels to gather customers feedback and suggestions through various platforms, including our official website, 400 Service Hotline, email, direct sales team, and partnership system. This continuous feedback loop helps us refine our management model to better serve different customer groups and dealers. Our ongoing optimization of the complaint handling process ensures timely and efficient responses to customer concerns.

3,000 responses

In 2024, we conducted customer satisfaction and partner system health surveys across seven regions including China, Europe, and Asia Pacific. We received nearly 3,000 responses with valid feedback and produced nearly 30 survey reports classified by business domain and region

780,000 issues

In 2024, we responded to and processed approximately 780,000 issues from customers and partners through closed-loop handling. Huawei Digital Power focused on high-value customers to launch the special "Warm Sunshine" campaign, convening a total of 130 special meetings

Implementing Responsible Procurement

Huawei Digital Power supports the UN's Guiding Principles on Business and Human Rights and is committed to the societal and environmental impact of our global supply chains. We collaborate with customers and suppliers to promote sustainable development. By integrating CSR into all value chain activities and continuously seeking innovative practices, we enhance our competitiveness and cost leadership. We adhere to the Group's supply chain management standards and incorporate CSR into our procurement process, from material and supplier qualification, selection, and appraisal to performance management and procurement fulfillment.

Procurement CSR Management System

Huawei Digital Power has developed a comprehensive procurement CSR management system, grounded in the OECD's Due Diligence Guidance for Responsible Business Conduct and the IPC-1401 Corporate Social Responsibility Management System Standard. We have integrated CSR requirements into our procurement strategy and business processes. We mandate that all our suppliers comply with applicable laws and regulations, and we encourage them to promote diversity and enhance their CSR management by adopting globally recognized industry standards. Our Supplier Corporate Social Responsibility Agreement, based on the Responsible Business Alliance (RBA) Code of Conduct and the Joint Audit Cooperation (JAC) Supply Chain Sustainability Guidelines, encompasses labor standards, health and safety, environmental protection, business ethics, and management systems. Huawei Digital Power insists that all suppliers adhere to this agreement and pass on these requirements to their own suppliers. We strictly prohibit the use of child labor or forced labor, maintaining zero tolerance for any violations of CSR red lines.

To support our sustainable procurement goals, we regularly provide CSR training to all procurement staff. This training includes details on supplier CSR agreements, red lines, processes, and audit practices related to CSR in procurement. CSR requirements are also embedded in the performance indicators for all teams within our procurement department. In 2024, none of our suppliers were found to have crossed any CSR red lines regarding the use of child labor and forced labor.

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In 2024, none of our suppliers were found to have crossed any CSR red lines regarding the use of child labor and forced labor



Huawei Digital Power's red lines in procurement CSR include:

1. Use of child labor.
2. Use of prison labor (including using prisons as suppliers or subcontractors) or forced labor (including restricting personal freedom or detaining personal identity documents).
3. Violence, physical punishment, sexual harassment, illegal body searches, cross-gender body searches, and other similar behaviors.
4. Salary payments below the local minimum wage.
5. Negligence that leads to major fires or explosions.
6. Working conditions that seriously endanger personal health and safety or lead to fatal incidents at the working site.
7. Illegal emissions of any hazardous or toxic wastes, such as wastewater, gas, or residue.
8. Negligence that leads to media crises or serious mass disturbances, such as unnatural deaths, collective labor disputes, mass brawls, mass poisoning, or other incidents causing mass casualties.
9. Unsafe and unhealthy working environments that lack effective measures to prevent potential health and safety accidents, or diseases that may be caused due to exposure in the workplace (e.g., collective infections).
10. Corruption or dishonest acts that violate the requirements of "no bribery, no gifts, no conflicts of interest, no falsification, no cutting corners, no fraud, and keeping promises."

In 2024, Huawei Digital Power updated the Huawei Supplier Social Responsibility Code of Conduct and Supplier CSR Agreement to align with the RBA Code of Conduct 8.0 and strengthen management requirements against forced labor and for due diligence. Additionally, we place significant emphasis on the advantages of localized procurement for the local economy, society, and our business operations, and implement corresponding procurement strategies. We establish functional departments in the countries and regions where we operate, ensuring that our purchasing practices comply with local laws and policies.

Supplier Risk Rating and Auditing

Huawei Digital Power works with the Group to implement risk-based supply chain due diligence management, identify and explain CSR risks and opportunities with suppliers, and take measures to prevent and mitigate CSR risks. During the reporting period, we further refined our supplier CSR risk rating methodology. We now evaluate each supplier's CSR performance and the effectiveness of their risk prevention and management systems by focusing on five criteria: CSR performance rating, health and safety risk, environmental risk, labor risk, and audit results. We pay special attention to the improvements made by suppliers posing medium and high risks. To better meet customer requirements, we have prepared and continued to update our Supplier CSR Audit Checklist in accordance with industry best practices. We conduct supplier CSR audits using internationally recognized methods such as onsite inspections, employee interviews, management interviews, documentation reviews, and online searches. In addition, we perform onsite assessments on all potential suppliers to examine their sustainability systems. No company that fails the assessment is eligible for consideration to become a Huawei Digital Power supplier.

In 2024, we assigned CSR risk ratings to more than 170 self-managed suppliers as well as those under the unified management of the Group, and conducted onsite audits on key suppliers, with audited objects including new suppliers, suppliers assessed as posing medium or high risk, and EHS risk suppliers. If an issue was identified during an onsite audit, we help the supplier resolve the issue through CRCPE methodology (check, root cause analysis, correct, prevent, and evaluate). This methodology helps suppliers identify common problems and develop targeted solutions.

170 suppliers

In 2024, we assigned CSR risk ratings to more than 170 self-managed suppliers



Supplier Performance Management

Every year, Huawei Digital Power appraises suppliers' sustainability performance as part of their overall performance appraisals. During this process, we also consider how they manage the sustainability of their own suppliers. Suppliers are classified into four grades (A, B, C, or D) based on their sustainability performance. In 2024, we improved our supplier sustainability performance appraisal methodology, which focuses on five criteria: environmental protection, carbon emissions reduction, labor management, EHS accidents, and management systems. In the past year, we appraised the sustainability performance of more than 170 self-managed suppliers in addition to those under the unified management of the Group.

The volume of business we conduct with each supplier is partly determined by their sustainability performance. This criterion is also integral to our supplier selection, portfolio management, and other processes. Suppliers demonstrating strong sustainability performance are prioritized for increased purchase shares or business opportunities under equivalent conditions. Conversely, suppliers with poor performance must rectify issues within a specified timeframe, face reduced purchase shares, and may have their business cooperation restricted or terminated.

Supplier CSR Training

Huawei Digital Power attaches great importance to cultivating suppliers' CSR awareness, and requires them to adopt industry best practices, incorporate sustainable development requirements into their business strategies, reduce operational risks, and improve corporate governance. We regularly offer training for all suppliers, including training on social and environmental issues such as human rights protection, compliance and integrity, energy conservation and emission reduction, and fire prevention, in order to develop the training scheme with emphasis on both contents and features.

- Training and knowledge popularization for new suppliers: provide basic training including auditing standards, procedures, and methods for newly introduced suppliers, and popularize basic business and compliance information.
- Special training: provide routine special training including fire safety, energy conservation and emission reduction, human rights protection, and building a sustainable supply chain. In 2024, 100% of Huawei Digital Power's security personnel received training on human rights policies or procedures.
- Correction and improvement training: offer targeted training for suppliers who fail the assessment, and provide ongoing support to help them continuously improve and enhance their sustainability management practices.

After years of research, we have developed an efficient "peer benchmarking" learning model. Through CSR topic collection, industry benchmark identification and analysis, supplier experience sharing, as well as template and checklist import, we have further improved our CSR training system. We invite leading suppliers from various industries to share their experiences in handling high-risk items, such as printed circuit boards (PCBs), lithium batteries, and hazardous chemicals, thereby enhancing suppliers' risk response capabilities.

100%

In 2024, 100% of Huawei Digital Power's security personnel received training on human rights policies or procedures

Stakeholder Engagement and Cooperation

Building a sustainable industrial chain requires the participation of all stakeholders. Huawei Digital Power attaches significant importance to partnerships with customers, suppliers, industry associations, and other stakeholders. We have incorporated CSR requirements into the management policies of partners.

We actively listen to customer requirements and expectations regarding supply chain sustainability, and understand new global trends in CSR, responsible business conduct (RBC), and environmental, social, and governance (ESG) trends, as well as the progress of supply chain due diligence legislation in European countries. We also conduct self-assessments based on the OECD's Due Diligence Guidance for Responsible Business Conduct and share the assessment results with customers.

During the reporting period, we communicated with customers on CSR requirements and measures, including supply chain traceability, forced labor, and responsible management. To implement sustainable supply chain management, Huawei invited a third-party professional organization to provide training on supplier due diligence management methods for procurement employees. Through training, assessment, and audit practices, we have developed and certified about 40 "golden seeds" for supplier due diligence. We have also provided training and on-site pilot communication for more than 100 due diligence owners from supplier companies. Huawei Digital Power will continue to work closely with suppliers to improve supply chain due diligence capabilities, jointly identify the CSR impact, risks, and opportunities, and take measures to prevent and mitigate CSR risks.

We mandate suppliers to learn and sign the Integrity Agreement. Additionally, we hold supplier conferences and CSR seminars with customers and suppliers, nominate suppliers for joint audits, conduct supplier capacity improvement projects, and participate in industry exchanges and standards formulation to enhance the sustainable development governance capability of our partners.

40 suppliers

We have developed and certified about 40 "golden seeds" for supplier due diligence

100 owners

We have also provided training and on-site pilot communication for more than 100 due diligence owners from supplier companies



Responsible Management of Minerals

Huawei is committed to and works to drive the responsible procurement of products containing raw materials, including tin, tantalum, tungsten, gold (3TG), cobalt, and mica. We have established a risk-based responsible mineral management system in accordance with the OECD Due Diligence Guidance for Responsible Business Conduct and the Chinese Due Diligence Guidelines for Mineral Supply Chain. The responsible management of minerals is an integral part of our procurement CSR management system, and has been embedded to supplier qualification, supervision, and auditing processes.

As a downstream company in the mineral supply chain, Huawei does not directly purchase any minerals. We require that our suppliers do not purchase conflict minerals, and ask

them to cascade this requirement to their own suppliers, in order to prevent or reduce the risk that minerals contained in their products may directly or indirectly support human rights abuses, harm the environment or personal health and safety, or breed corruption. Huawei also actively works with global industry peers through industry initiatives like the Responsible Minerals Initiative (RMI) and the Responsible Critical Mineral Initiative (RCMI). Together with partners up and down the supply chain, we conduct supply chain surveys according to the Conflict Minerals Reporting Template (CMRT) and the Extended Mineral Report Template (EMRT), create a complete list of all related smelters, and push these smelters to apply for or maintain the Responsible Minerals Assurance Process (RMAP) certification.

For more details, visit:

Huawei Responsible Management of Minerals:

<https://www.huawei.com/en/sustainability/the-latest/stories/responsible-management-of-minerals>

Huawei Statement on Responsible Mineral Supply Chain Due Diligence Management:

<https://www.huawei.com/en/declarations/huawei-statement-on-responsible-mineral-supply-chain>



Business Ethics

Huawei Digital Power is committed to conducting its business with integrity, adhering to business ethics standards, and complying with all applicable laws and regulations. This principle is upheld by our highest levels of management. Over the years, we have built a compliance management system that aligns with industry best practices and integrates compliance into every aspect of our business activities and processes. These efforts are ongoing. Huawei Digital Power emphasizes a culture of integrity and has issued the Business Conduct Guidelines (BCGs) to identify acceptable business conduct. The BCGs must be observed by all employees, including senior executives. Regular training programs are offered, and all employees are requested to sign the BCGs to ensure that the BCGs have been read, understood, and observed. The BCGs require every employee to not only comply with all applicable laws and regulations, but act in a socially responsible manner. Anyone who violates the BCGs is subject to disciplinary actions, which can range from termination of employment to legal liability.

- Huawei Digital Power's compliance officer is fully responsible for Huawei Digital Power's compliance management and regular reporting to Huawei Digital Power's Board of Directors and President, and the Group's chief compliance officer. Each of our company's business departments and subsidiaries has established its own compliance team, which is responsible for managing its operational compliance.
- We identify and assess risks according to applicable laws and regulations and business scenarios. Additionally, we have formulated control measures that have been incorporated into our business activities and processes. We continuously optimize our management system through root cause analysis and targeted corrective actions.
- We attach great importance to and continuously enhance the compliance awareness of our managers and

employees. Through publicity, training, exams, disciplinary actions, and other related actions, we ensure that all our employees fully understand their own obligations as well as Huawei Digital Power's.

- With an open mind, we proactively engage and work with customers, partners, regulators, and other stakeholders on compliance to constantly enhance mutual understanding and trust.

Huawei Digital Power is dedicated to ensuring better compliance across multiple domains, including but not limited to trade compliance, financial compliance, anti-bribery compliance, intellectual property (IP) and trade secret protection, cyber security and privacy protection, and fair competition. These compliance requirements are embedded into our policies, systems, and business processes.



Anti-Corruption and Anti-Bribery Compliance

Huawei Digital Power has a zero-tolerance policy towards corruption and bribery. In every country where we operate, we conduct all business under a legal framework that supports fair competition and opposes bribery and corruption. We place our obligation to fight bribery and corruption above our own commercial interests, and are working to ensure that our business is conducted in a fair and transparent manner.

- Our anti-bribery compliance (ABC) management is designed specifically for our diversified business portfolio, and we continuously develop the ABC management system and its capabilities. We constantly identify and monitor risks, drive the optimization of relevant business rules and processes, and monitor their implementation.
- Huawei Digital Power works diligently to create a culture of integrity and enhance its compliance capabilities. Internally, we embed compliance requirements into business processes, ensure all employee conduct is above board, and raise employees' compliance awareness by requiring them to study and comply with Huawei Digital Power's BCGs and anti-corruption policies. On top of this, we provide general training for all employees and targeted training for staff in key process positions, and run campaigns that help the compliance team hone their expertise. The training

content is distributed in numerous ways to facilitate policy understanding, from videos and forums to dedicated online training channels. Externally, we carefully manage our relationships with third parties to ensure compliance. We continuously communicate with stakeholders, including industry peers, consultants, partners, and NGOs, to clarify our position and views on anti-bribery and anti-corruption. This communication ensures stakeholders understand our compliance management policies. All partners of Huawei Digital Power—whether directly providing services and fulfilling their contractual obligations to Huawei Digital Power, or doing so on behalf of our customers or other third parties—are required to comply with all applicable laws and regulations, industry ethical standards, and Huawei Digital Power's Anti-corruption Policy for Partners, Supplier Social Responsibility Code of Conduct, Code of Conduct for Partners, and Honesty and Integrity Commitment. These combined efforts allow us to control ABC risks across the company.

- We have established complaint channels through which employees and other parties can report violations. When we receive a complaint, we launch an investigation and protect the person lodging the complaint from any form of threat or retaliation by concealing his or her identity.

We comply with Huawei's statements and policies on anti-corruption and anti-bribery. More information can be found in the "Reports and Policies" section at:

<https://www.huawei.com/en/sustainability/sustainability-report>



Intellectual Property Rights and Trade Secret Protection

Huawei Digital Power is committed to long-term investments in R&D and continuously enriching its intellectual property (IP) portfolio. It believes that respecting and protecting IP is the bedrock of innovation. As a follower, practitioner, and contributor of IP rules, as well as an innovator, Huawei Digital Power works tirelessly to improve the environment for protecting innovation and IP across industries and regions.

Huawei Digital Power is committed to protecting its own IP and trade secrets, while respecting those of others. We explicitly prohibit our employees from improperly acquiring, disclosing, using, or disposing trade secrets of others. The key measures Huawei Digital Power has taken to protect the trade secrets of others include:

- Issuing the Regulations on Respecting and Protecting Third Party Trade Secrets V1.0, which set out clear rules that employees must follow to respect and protect the trade secrets of others during business activities, ensuring that employees carry out business activities legally and in accordance with the contracts.
- Embedding trade secret protection requirements into business processes such as R&D, sales, procurement, and HR, conducting regular reviews, and continuously improving management mechanisms by taking away lessons and case studies from day-to-day operations.
- Organizing publicity, training, and exams on trade secret protection for all employees, so that they are fully aware of their obligations and responsibilities regarding trade secret protection compliance.
- Conducting supervision, including checks and audits, to examine efforts aimed at protecting the trade secrets of others and thus ensure effective implementation of our policies, rules, and processes.
- Establishing an accountability system based on official corporate policies, such as the Accountability Protocol for Infringements of Other Parties' Trade Secrets and the Accountability Rating Criteria for Information Security Violations, to hold violators accountable for any trade secret violations.



Trade Compliance

Huawei Digital Power has consistently endeavored to comply with the laws and regulations of the countries and regions in which it operates, including the export control and sanction laws of the UN, China, the US, and the EU. We are committed to fulfilling our responsibilities and obligations related to export controls. Leveraging the Group's years of continuous investment and construction, Huawei Digital Power has established a mature and sustainable internal system for trade compliance that aligns with industry standards and is continuously improved.

By actively aligning with industry best practices, Huawei Digital Power has established an integrated trade compliance management organization. This organization manages trade compliance across both group functions and field offices. Additionally, we have specialist teams in our global offices

that monitor changes to local laws and regulations, embed trade compliance requirements into corporate rules and processes, and oversee compliance in every aspect of our business operations, from procurement and R&D to sales, supply, and services.

Huawei Digital Power continuously ensures employees improve their trade compliance awareness. Employees must sign Huawei's BCGs each year, which include commitments to observing applicable export control laws and regulations. Huawei Digital Power provides various training sessions on trade compliance to managers and employees across our organization. These efforts, combined with targeted training for specific business scenarios, ensure employees fully comprehend both their individual responsibilities and Huawei Digital Power's obligations concerning export controls.

We comply with Huawei's Statement of Compliance with Export Control Regulations. For further details, please visit the "Reports and Policies" section at: <https://www.huawei.com/en/sustainability/sustainability-report>



Fair Competition and Trade

Huawei Digital Power has long placed fair trade as a priority for operational compliance, and has established organizations, processes, regulations, and rules to ensure competition compliance.

- We have established dedicated compliance organizations, appointed compliance officers in each region where we operate, and put in place a range of supporting regulations and rules. We monitor evolving laws and regulations to continuously enhance our trade compliance policies and processes, ensuring their effective implementation across all relevant business domains.
- We have embedded competition compliance rules and regulations into management systems and business processes. We customize policies for each country based on local competition laws. We update compliance objectives every year and oversee the achievement of

these objectives. We also provide dedicated training for compliance officers to ensure that related rules and guidelines are fully implemented.

- We optimize business processes and establish long-term mechanisms to ensure comprehensive competition compliance. These include managing independent sales consultants, due diligence on third-party suppliers, and optimizing competition law compliance baselines for sales contracts.

Huawei Digital Power is actively fostering a fair market environment by raising employee awareness and strictly adhering to fair competition principles in our business operations. During the reporting period, there were no instances of legal action against Huawei Digital Power for anti-competitive behavior or monopoly practices.



One-Mind Growth

Employees are the lifeblood of our enterprise, and our partners are our closest allies in our journey towards a more harmonious society. We prioritize employee growth and are committed to creating an equal and inclusive workplace. By offering diverse promotion paths and comprehensive training systems, we support personal development and foster mutual growth for both our enterprise and our employees. We collaborate with partners to build a low-carbon, digital society, promote local economic development, enhance health and well-being, and create sustainable industrial chains.

UN SDGs supported by Huawei Digital Power:



Employee Growth

Employees continuously inject vitality into enterprises and are invaluable assets for development. At Huawei Digital Power, we are committed to creating a diverse workplace characterized by equality, inclusiveness, respect, and mutual assistance. Upholding the principle of "safety first and caring for employees," we have consistently enhanced our occupational health and safety management system. Additionally, we expand development and promotion channels for employees, encouraging them to strive for excellence and stimulate their potential. We aim to build a business platform that attracts outstanding talent to collaborate and share value.

Building a Harmonious Team

Huawei Digital Power complies with the Universal Declaration of Human Rights, and observes the Group's Caring for Employees Policy that lays out the principles and requirements we believe that a good employer must meet to ensure an adequate level of employee care. These principles and requirements cover child labor, forced or involuntary labor, health and safety, diversity, discrimination, humane treatment, working hours, compensation and benefits, freedom of association, privacy protection, and learning and development. We have put in place processes, systems, and baselines to ensure our employee care policies are effectively implemented. When it comes to recruitment, promotion, and compensation, we do not discriminate against anyone based on race, religion, gender, sexual orientation, nationality, age, pregnancy, or disability. We prohibit the use of child labor and forced labor (including bonded or indentured labor), and have effective measures in place to prevent such situations during recruitment, use, and dismissal of labor. Not a single instance of child or forced labor has been found at Huawei Digital Power.

Huawei Digital Power has also established effective mechanisms for employee communication, gathering opinions and suggestions through its Manager Feedback Program (MFP), organizational climate surveys, manager open days, and more. This ensures employees' voices are heard and the company actively responds to their inquiries. Employees can report violations, file complaints, and seek assistance through multiple channels, including the dedicated complaint mailbox of the Committee of Ethics and Compliance (CEC) and internal service hotline. We maintain strict confidentiality for all reports and prohibit any attempts to threaten or retaliate against them.

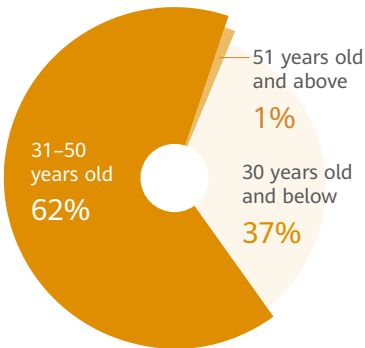
As a global company, Huawei Digital Power is committed to fostering an impartial and inclusive workplace that encourages mutual respect and diversity. By the end of 2024, our global workforce reached approximately 6,500 people from numerous countries and regions. We prioritize localization, employing a total of over 800 local staff members internationally.

6,500 people

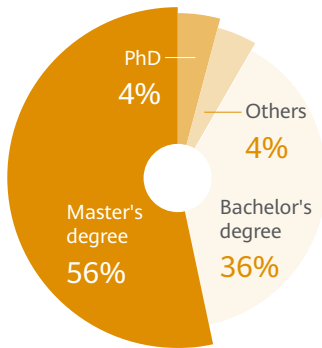
By the end of 2024, our global workforce reached approximately 6,500 people

800 people

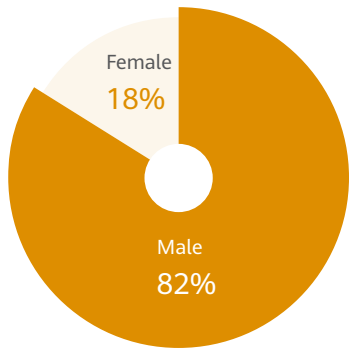
We prioritize localization, employing a total of over 800 local staff members internationally



Structure of employee age in 2024¹



Employee education level in 2024²



Employee gender in 2024³

^{1 2 3} As policies and regulations vary with countries and regions, the above data excludes local employees outside China.

Huawei Digital Power values the diversity of cultural backgrounds, beliefs, and lifestyles of its employees, and has created an open, inclusive, and respectful work environment. We value work-life balance. Our campus facilities, including canteens, coffee bars, fitness centers, libraries, and baby care rooms, cater to the diverse needs and custom of our staff. We organize various team activities, such as the 3+1 Activity Week (including Tug of War), Family Day, Three-Legged Race, and Engineers' Cultural Day, to promote healthy habits in daily work and life, foster mutual understanding and trust among employees from different cultural backgrounds, enhance team cohesion, boost their sense of belonging, and build a favorable organizational climate. We support the formation of cultural and sports associations and hobby groups, including dance, basketball, badminton, photography, and music clubs, to enrich employees' leisure time. Additionally, we organize activities such as photography competitions and badminton games to provide a platform for employees to show their skills. Huawei Digital Power's employees hail from diverse global backgrounds. To address cross-cultural differences, we have meticulously developed a series of courses and case studies, including Cross-cultural Team Management, Cross-cultural Adaptation, and Cross-cultural Phonograph. These programs focus on real-life work scenarios. Our goal is to enhance cultural competence for staff at all levels, fostering a diverse team built on mutual trust.



Tug of War



3+1 Activity Week



Family Day



Engineers' Cultural Day



Fun Sports Day



Sports for All event



Badminton Club event



Dance Club event

Protecting Employee Health and Safety

Huawei Digital Power places a high priority on employee health and safety. We actively care for our employees and continuously improve our occupational health and safety system. Our management practices comply with relevant laws and regulations. We comprehensively consider both internal and external environments to determine the scope of the EHS management system. We have established the EHS management system according to the PDCA cycle and achieved ISO 45001 certification for occupational health safety management. During the reporting period, we constantly promoted various occupational health and safety initiatives in order to create a safe, healthy, and comfortable working environment for all employees.

We invite qualified organizations to conduct annual checks for occupational hazards and report them in accordance with regulations on occupational health management. We organize occupational disease screenings for targeted employees at the pre-employment stage, during their tenure, and prior to departure from their posts. We also conduct regular as-is assessments to analyze overall risks and propose improvement measures. By fostering a safety culture, conducting emergency drills, providing first-aid knowledge, and offering physical and mental health training and guidance, we ensure comprehensive health and safety protection for our employees and partners.

We have appointed EHS employee representatives to collect employee suggestions for improving management and technology. Additionally, we conduct monthly health and safety training for employees, covering basic laws and regulations, general safety, job safety, R&D lab safety, and occupational health and safety, etc. As of 2024, we have held an annual "Safety Month" event 12 times. The event features a series of activities, such as safety knowledge contests and games, designed to enhance safety awareness among all employees and integrate safety into our daily operations.



"Safety Month" event

We continue to invest significantly in practical measures to safeguard employee health. Alongside comprehensive social insurance, we offer competitive commercial insurance plans, including accident insurance, life insurance, critical illness insurance, overseas business travel insurance, and family insurance. Additionally, we are working to simplify the insurance claims process and add a personal touch to our insurance services.

We encourage employees to participate in medical checkups, arrange doctors to interpret the medical checkup results, offer personalized advice, and provide follow-up service as needed. We continue to enhance the Huawei 13520¹ first aid mechanism. In addition to continuously empowering and appraising medical staff of campus health centers and security emergency response teams (ERTs), we also train employees to become certified first aiders. We organize a variety of regular health activities, including knowledge enablement on physical and mental health, free medical consultations, health salon lectures, individual/team psychological counseling, a health week, and daily workouts. Additionally, we push various knowledge on physical and mental health to employees, enhance the health awareness and capabilities of managers, HRs, and other employees, provide abundant health resources, and actively respond to employees' requests. By strengthening health foundations and enhancing emergency response capabilities, we support employees' physical and mental well-being while fostering a safer workplace environment.



Daily workout



Free medical consultation during Health Week



First aid training



Health lecture

¹ 13520: First aid incidents are reported to the ERT within 1 minute; the ERT arrives on site within 3 minutes of notification; local medical staff arrive within 5 minutes of notification; and emergency medical responders arrive within 20 minutes of the alarm.

Promoting Career Development

Huawei Digital Power offers employees two distinct career paths: the manager path and the expert path. Employees can choose either of the two paths to advance their careers. All employees receive regular performance and career development reviews, and are given adequate training and mobility opportunities during career development. We have implemented a mechanism for department-initiated talent transfers and an internal talent market for free mobility. Both are intended to drive employee mobility within the organization and help them grow across professions and domains. We encourage our employees to learn from different professions and domains, becoming more versatile in multiple disciplines. This helps them reskill and upskill, giving more room for growth. At Huawei Digital Power, we provide employees with a global platform that exposes them to numerous new experiences and insights, enabling them to grow rapidly.

To support career development, Huawei Digital Power has created diversified, comprehensive, and systematic learning resources and platforms. These resources empower employees at various stages of their growth. For instance, we offer new employee orientation training and professional job training to help newcomers learn about Huawei Digital Power and acquire essential skills. We have established a tutorial system to assist promising young employees in transitioning roles and adapting to growth. Additionally, we provide professional skills improvement programs tailored to different career stages, as well as manager development programs to enhance management skills. To enhance the management capabilities of local managers and leverage the value of key local employees, we offer training and enablement programs for junior managers, key employees, and Chinese managers based outside China. These programs incorporate numerous explorations and innovations in course design and delivery. We believe in learning through practice and practicing what we learn. Huawei Digital Power has established learning bases for skills conversion, hardware installation and debugging training bases, and intelligent photovoltaic training bases in Dongguan, Guizhou, and Qinghai. These facilities drive our training and practice sessions, fostering individual growth.

Convening Innovation Competition to Foster Creativity in the Workplace

In 2024, Huawei Digital Power hosted the 6th Innovation Gold Idea Event and Innovation Contest with the theme "Low-Carbon Innovations for the Future," attracting extensive attention and active participation. The contest lasted three months. Upon publishing over 20 technical challenges, we had over 6,500 online participants and received over 880 creative ideas, fully demonstrating the creativity, vitality,

and wisdom of employees. After rigorous evaluation, three gold award winners, 10 silver award winners, and 20 bronze award winners were selected.

Through this event, we established an innovation benchmark, shared innovative concepts, and enhanced a favorable innovation climate within the company, driving the technological development of Digital Power.

20
technical challenges

880
creative ideas

6,500
online participants



The 6th Innovation Gold Idea Event and Innovation Contest

Promoting Win-Win Cooperation

Huawei Digital Power is committed to open cooperation that benefits all stakeholders involved. We actively cooperate with customers, partners, industry associations, higher education institutions, and more to leverage their strengths. This approach fosters continuous innovation and contributes to the ecological prosperity and development of the industry.

Huawei Digital Power Actively Engages in Drafting and Formulation of Important Standards Globally

Huawei Digital Power actively participates in dozens of important standardization organizations both within and outside China, including the International Electrotechnical Commission (IEC), National Technical Committee on Communications Standardization, National Committee on Electric Energy Storage Standardization, National Technical Committee on Auto Standardization, National Technical Committee on Refrigeration and Air Conditioning Equipment Standardization, Standardization Management Center of China Electricity Council (CEC), China Communications Standards Association (CCSA),

China Society of Automotive Engineers (SAE-China), and China Electronics Energy Saving Technology Association (CEESTA).

Each year, Huawei Digital Power is involved in planning, formulation, and revision of over 100 significant standards at the international, national, industrial, local, and association levels. Additionally, we host or organize multiple important standardization meetings in areas such as smart PV, energy storage, electric mobility, charging network, data center facility, and site power facility, etc., contributing significantly to the industry's healthy development.

In 2024, Huawei Digital Power participated in the formulation or revision of the following standards (partial):

National standards

- GB 44240-2024 Secondary lithium cells and batteries used in electrical energy storage systems—Safety requirements
- GB/T 18487.5-2024 Electric vehicle conductive charging system—Part 5: DC charging system for GB/T 20234.3
- GB/T 18488-2024 Drive motor system for electric vehicles
- GB/T 19413-2024 Air conditioning unit for data center and communication room
- GB/T 27930.2-2024 Digital communication protocols between off-board conductive charger and electric vehicle—Part 2: Communication protocols for GB/T 20234.3
- GB/T 36547-2024 Technical requirements for connecting electrochemical energy storage station to power grid
- GB/T 36548-2024 Test code for electrochemical energy storage station connected to power grid
- GB/T 44265-2024 Electrical energy storage power station—Technical specifications for sodium ion battery

Industry standards

- YD/T 1436-2024 Outdoor power system for telecommunications

Association standards

- T/CA 310-2024 Data center computing power-electricity-heat synergy terms
- T/CRAAS 1112-2024 Assessment requirements for quality grading and forerunner—Cooling and air conditioning equipment for data centers and base stations
- T/CSAE 398-2024 Fault injection test specification for conductive OBC and DCDC converters used in electric vehicles
- T/DZJN 251-2024 Free evaporative cooling meteorological parameters for data centers
- T/DZJN 306-2024 Prefabricated refrigeration system in data centers
- T/SEESA 013-2024 Technical specification for developing and evaluating zero-carbon data centers

Unleashing the Creativity of the Youth to Shape a Greener Future

On August 21, 2024, the 4th S Power Electronics Innovation Contest Final was successfully concluded at the Huawei Songshan Lake Campus in Dongguan. Themed on the design of small-scale high-efficiency energy routers, this event encourages topology, process, and algorithm innovations to maximize efficiency in high-density power conversion. The contest attracted 182 higher education institutions globally and lasted 11 months. In the final competition, 17 winning teams showcased their innovations achieved through the

integration of power electronics and digital technologies, with multiple valuable proposals for industrialization.

Huawei Digital Power has successfully held this annual event for four times. The event serves as an effective platform for students from higher education institutions worldwide to innovate and communicate, bringing closer enterprises, universities, and research institutes. We sincerely invite more young people to join us and explore green energy technologies for shaping a zero-carbon future.



The 4th S Power Electronics Innovation Contest Final

Huawei Completes the First Grid Connection Certification Test After the Latest National Standard GB/T 19964 Came into Effect

The latest national standard GB/T 19964 "Technical requirements for connecting photovoltaic power station to power system" came into effect on March 15, 2024. Soon after, Huawei Digital Power's SUN2000-300KTL-H0 solar inverters, powered by cutting-edge power electronics technologies and grid connection control algorithms, completed China's first grid connection test certified by China Electric Power Research Institute (CEPRI).

Huawei has long been actively involved in the development of standards regarding grid connection of PV plants and inverters, continuously improving product performance to meet the ever-increasing requirements for grid connection of PV power and advance the sustainable development of the PV industry.

In 2014, Huawei's inverters passed the onsite zero-voltage ride-through, low-voltage ride-through, frequency disturbance, and power quality tests in a megawatt-level PV plant under the guidance of CEPRI and Qinghai Electric Power Research

Institute. Huawei became the first inverter brand in the world to pass zero-voltage ride-through testing and certification for PV plants in compliance with GB/T 19964-2012.

In 2019, Huawei participated in the development of the national standard for inverters. The same year, GB/T 37408 "Technical requirements for photovoltaic grid-connected inverter" was officially released, which first proposed grid connection requirements for inverters, including active power without derating during high voltage ride-through.

In 2020, the Huawei SUN2000-196KTL-H0 inverter became the industry's first product that complied with the national standard GB/T 37408 to meet power grid requirements. In the same year, Huawei, together with CEPRI, took the lead in proposing the weak-grid adaptability feature for grid-connected inverters. This feature was designed to improve the steady-state and transient-state stability of PV plants in extremely weak grids, prevent system chain failures, and improve grid safety and stability.



Social Contributions

While developing its own businesses, Huawei Digital Power strives to benefit society through its technological achievements. It promotes sustainable development in the regions where it operates, leveraging resources and expertise to support rural revitalization and bridge the digital divide. As a responsible corporate citizen, Huawei Digital Power remains attentive to local sustainability issues, using innovative technologies and operation activities to advance the local digital economy and drive digital transformation across industries.

Huawei's PV+ESS Solution Illuminates Jamaica's Breadbasket

Essex Valley, Jamaica, is located in the northwestern Caribbean. The land was once Jamaica's breadbasket. In recent years, climate change has caused severe soil drought in the region. Residents use water pumps powered by the electricity grid for agricultural irrigation. A costly and unstable power supply has significantly increased their costs of living, with 10% of their monthly household incomes spent on power. Consequently, the nation is plagued by sky-high costs and an erratic power supply.

In 2024, Jamaica adopted Huawei's PV+ESS solution to build four PV+ESS plants in Essex Valley, with a total installed

capacity of 3.7 MWp and paired with a 7 MWh ESS. The plants effectively meet the electricity demand for local agriculture and education. Clean and affordable PV power ensures the stable operation of irrigation pump systems and improves agricultural production efficiency. It sufficiently meets the electricity demand of nearby families and schools while slashing electricity bills, significantly reducing the burden on residents. Additionally, school resources can be redirected to other educational areas, thereby enhancing local teaching quality and learning experience.



Essex Valley project in Jamaica

Huawei iSolar Helps Jazz Go Green in Pakistan

Jazz is a subsidiary of VEON and the largest telecom operator in Pakistan. VEON has committed to supporting GSMA's goal of achieving net-zero emissions by 2050. However, soaring electricity and oil prices in recent years have driven up energy costs for both residents and businesses in Pakistan, where power grid infrastructure is weak and electricity is in short supply. In 2024, Jazz adopted Huawei's iSolar PV deployment

solution to transform its sites. The PV+ESS synergy reduces fuel consumption by 96% per site and minimizes genset runtime, significantly slashing the energy OPEX. Looking ahead, Huawei will help Jazz promote green transformation across numerous sites. This initiative will drive its green energy transition and help VEON achieve net zero emissions by 2050.

96%

The PV+ESS synergy reduces fuel consumption by 96% per site



Upgrading sites with PV power in Pakistan

Shanghai Geriatric Medical Center Builds a Sustainable Data Center to Become a Green and Low-Carbon Public Institution

The National Government Offices Administration and the National Development and Reform Commission of China advocate the advancement and application of green and low-carbon technologies. They planned to select a batch of green and low-carbon public institutions in five technical directions, including the electrification of energy consumption systems. Such institutions should have established effective systems and mechanisms, applied advanced and practical technologies, and produced significant results in low-carbon operations. As a pioneer in the digital transformation of the healthcare industry, Shanghai Geriatric Medical Center actively responded to the national "green data center" initiative. By building a green data center, it has been selected as a green and low-carbon public institution during the period of 2024–2026.

The core data center is a key project for hospital informatization and the hub of key systems such as the hospital information system (HIS), clinical information system (CIS), electronic medical record (EMR) system, and inspection and examination system. To tackle technical challenges, the hospital adopted Huawei's FusionModule solution to build a green and smart modular data center. The new digital facility ensures that the

hospital's IT services run smoothly to support the medical care and health service system for older adults. The project is a good example of the digital transformation of the healthcare industry.



"Green and Low-Carbon Public Institution" certificate for Shanghai Geriatric Medical Center

Shenyang Institute of Technology Establishes a New Smart Education Ecosystem with Huawei FusionModule

The trend of intelligence is surging, and AI models are reshaping the education industry. Huawei Digital Power proposed its FusionModule2000 6.0 solution to help Shenyang Institute of Technology build an efficient, reliable, and green AI data center, powering smart education and customized teaching.

Shenyang Institute of Technology is one of the first colleges in China to deploy the DeepSeek model. Huawei Digital

Power has helped Shenyang Institute of Technology introduce the cutting-edge technologies of FusionModule2000 on the basis of DeepSeek algorithms. By deeply integrating Huawei's FusionModule solution and Ascend computing power, they built an efficient and reliable solution for local LLM deployment, enabling stable operation and elastic evolution of inference services, empowering smart education, and infusing new vitality into the development of education.



Shenyang Institute of Technology

Appendix 1: GRI Content Index

Statement of usage

Huawei Digital Power has reported the information cited in this GRI content index for the period from January 1, 2024 to December 31, 2024 with reference to the GRI Standards.

GRI 1 used

GRI 1: Basic 2021

GRI Standard	Disclosure	Location
GRI 2: General disclosure 2021	2-1 Organizational details	About Huawei Digital Power
	2-2 Entities included in the organization's sustainability reporting	About This Report
	2-3 Reporting period, frequency and contact person	About This Report
	2-4 Restatements of information	/
	2-5 External assurance	Appendix 3: Assurance Statement
	2-6 Activities, value chain and other business relationships	About Huawei Digital Power
	2-7 Employees	Employee Growth
	2-8 Workers who are not employees	/
	2-9 Governance structure and composition	Sustainable Development Management System
	2-10 Nomination and selection of the highest governance body	/
	2-11 Chair of the highest governance body	Sustainable Development Management System
	2-12 Role of the highest governance body in overseeing the management of impacts	Sustainable Development Management System
	2-13 Delegation of responsibility for managing impacts	Sustainable Development Management System
	2-14 Role of the highest governance body in sustainability reporting	Sustainable Development Management System
	2-15 Conflicts of interest	/
	2-16 Communication of critical concerns	Communication with Stakeholders
	2-17 Collective knowledge of the highest governance body	Sustainable Development Management System
	2-18 Evaluation of the performance of the highest governance body	Sustainable Development Management System
	2-19 Remuneration policies	/
	2-20 Process to determine remuneration	/
	2-21 Annual total compensation ratio	/
	2-22 Statement on sustainable development strategy	Sustainable Development Strategy
	2-23 Policy commitments	Implementing Responsible Procurement Business Ethics
	2-24 Embedding policy commitments	Sustainable Development Management System Implementing Responsible Procurement Business Ethics

GRI Standard	Disclosure	Location
GRI 2: General disclosure 2021	2-25 Processes to remediate negative impacts	Sustainable Development Management System
	2-26 Mechanisms for seeking advice and raising concerns	Sustainable Development Management System
	2-27 Compliance with laws and regulations	Concrete Actions in Green Operations, Implementing Responsible Procurement, Business Ethics
	2-28 Membership associations	/
	2-29 Approach to stakeholder engagement	Communication with Stakeholders
	2-30 Collective bargaining agreements	/
GRI 3: Material topics 2021	3-1 Process to determine material topics	Communication with Stakeholders
	3-2 List of material topics	Communication with Stakeholders
	3-3 Management of material topics	Communication with Stakeholders
GRI 201: Economic performance 2016	201-1 Direct economic value generated and distributed	/
	201-2 Financial implications and other risks and opportunities due to climate change	/
	201-3 Defined benefit plan obligations and other retirement plans	/
	201-4 Financial assistance received from government	/
GRI 202: Market presence 2016	202-1 Ratios of standard entry level wage by gender compared to local minimum wage	/
	202-2 Proportion of senior management hired from the local community	/
GRI 203: Market presence 2016	203-1 Infrastructure investments and services supported	Social Contributions
	203-2 Significant indirect economic impacts	Social Contributions
GRI 204: Procurement practices 2016	204-1 Proportion of spending on local suppliers	/
GRI 205: Anti-corruption 2016	205-1: Operations assessed for risks related to corruption	Business Ethics
	205-2: Communication and training about anti-corruption policies and procedures	Business Ethics
	205-3: Confirmed incidents of corruption and actions taken	/
GRI 206: Anti-competitive Behavior 2016	206-1: Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Business Ethics
GRI 207: Tax 2019	207-1 Approach to tax	/
	207-2 Tax governance, control, and risk management	/
	207-3 Stakeholder engagement and management of concerns related to tax	/
	207-4 Country-by-country reporting	/

GRI Standard	Disclosure	Location
GRI 301: Materials 2016	301-1 Materials used by weight or volume	/
	301-2 Recycled input materials used	Concrete Actions in Green Operations
	301-3 Reclaimed products and their packaging materials	Concrete Actions in Green Operations
GRI 302: Energy 2016	302-1 Energy consumption within the organization	Concrete Actions in Green Operations
	302-2 Energy consumption outside of the organization	Concrete Actions in Green Operations
	302-3 Energy intensity	/
	302-4 Reduction of energy consumption	Concrete Actions in Green Operations
	302-5 Reductions in energy requirements of products and services	Concrete Actions in Green Operations, Innovative Low-carbon Products, Promoting Increased Efficiency, Supporting Intelligent Innovation
GRI 303: Water and Effluents 2018	303-1 Interactions with water as a shared resource	Concrete Actions in Green Operations
	303-2 Management of water discharge-related impacts	Concrete Actions in Green Operations
	303-3 Water withdrawal	Concrete Actions in Green Operations
	303-4 Water discharge	/
	303-5 Water consumption	Concrete Actions in Green Operations
GRI 304: Biodiversity 2016	304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Concrete Actions in Green Operations
	304-2 Significant impacts of activities, products, and services on biodiversity	Concrete Actions in Green Operations
	304-3 Habitats protected or restored	/
	304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations	/
GRI 305: Emissions 2016	305-1 Direct (Scope I) GHG emissions	Concrete Actions in Green Operations
	305-2 Energy indirect (Scope II) GHG emissions	Concrete Actions in Green Operations
	305-3 Other indirect (Scope III) GHG emissions	Concrete Actions in Green Operations
	305-4 GHG emissions intensity	/
	305-5 Reduction of GHG emissions	Concrete Actions in Green Operations
	305-6 Emissions of ozone-depleting substances (ODS)	/
	305-7 Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions	/
GRI 306: Waste 2020	306-1 Waste generation and significant waste-related impacts	Concrete Actions in Green Operations
	306-2 Management of significant waste-related impacts	Concrete Actions in Green Operations
	306-3 Waste generated	Concrete Actions in Green Operations
	306-4 Waste diverted from disposal	Concrete Actions in Green Operations
	306-5 Waste diverted to disposal	/

GRI Standard	Disclosure	Location
GRI 308: Supplier Environmental Assessment 2016	308-1 New suppliers that were screened using environmental criteria	Building a Green Supply Chain, Implementing Responsible Procurement
	308-2 Negative environmental impacts in the supply chain and actions taken	Building a Green Supply Chain, Implementing Responsible Procurement
GRI 401: Employment 2016	401-1 New employee hires and employee turnover	/
	401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Employee Growth
	401-3 Parental leave	/
GRI 402: Labor/Management Relations 2016	402-1 Minimum notice periods regarding operational changes	/
GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system	Employee Growth
	403-2 Hazard identification, risk assessment, and incident investigation	Employee Growth
	403-3 Occupational health services	Employee Growth
	403-4 Worker participation, consultation, and communication on occupational health and safety	Employee Growth
	403-5 Worker training on occupational health and safety	Employee Growth
	403-6 Promotion of worker health	Employee Growth
GRI 403: Occupational Health and Safety 2018	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Employee Growth
	403-8 Workers covered by an occupational health and safety management system	Employee Growth
	403-9 Work-related injuries	/
	403-10 Work-related ill health	/
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee	/
	404-2 Programs for upgrading employee skills and transition assistance programs	Employee Growth
	404-3 Percentage of employees receiving regular performance and career development reviews	Employee Growth
GRI 405: Diversity and Equal Opportunity 2016	405-1 Diversity of governance bodies and employees	Employee Growth
	405-2 Ratio of basic salary and remuneration of women to men	/
GRI 406: Non-discrimination 2016	406-1 Incidents of discrimination and corrective actions taken	/

GRI Standard	Disclosure	Location
GRI 407: Freedom of Association and Collective Bargaining 2016	407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	/
GRI 408: Child Labor 2016	408-1 Operations and suppliers at significant risk for incidents of child labor	Implementing Responsible Procurement, Employee Growth
GRI 409: Forced or Compulsory Labor 2016	409-2 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Implementing Responsible Procurement, Employee Growth
GRI 410: Security Practices 2016	410-1 Security personnel trained in human rights policies or procedures	Implementing Responsible Procurement
GRI 411: Rights of Indigenous Peoples 2016	411-1 Incidents of violations involving rights of indigenous peoples	/
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs	Promoting Access to Clean Energy, Promoting Win-Win Cooperation
	413-2 Operations with significant actual and potential negative impacts on local communities	/
GRI 414: Supplier Social Assessment 2016	414-1 New suppliers that were screened using social criteria	Implementing Responsible Procurement
	414-2 Negative social impacts in the supply chain and actions taken	Implementing Responsible Procurement
GRI 415: Public Policy 2016	415-1 Political contributions	/
GRI 416: Customer Health and Safety 2016	416-1 Assessment of the health and safety impacts of product and service categories	Ensuring Safety and Reliability, Providing Excellent Services
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	/
GRI 417: Marketing and Labeling 2016	417-1 Requirements for product and service information and labeling	Providing Excellent Services
	417-2 Incidents of non-compliance concerning product and service information and labeling	/
	417-3 Incidents of non-compliance concerning marketing communications	/
GRI 418: Customer Privacy 2016	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Providing Excellent Services

Appendix 2: Acronyms and Abbreviations

Acronym/Abbreviation	Full Name
5G	The 5th Generation Mobile Communication Technology
AI	Artificial Intelligence
BCG	Business Conduct Guidelines
BSRT	Business Satisfaction Representative Team
CB	Certification Bodies' Scheme
CEC	Committee of Ethics and Compliance
CEESTA	China Electronics Energy Saving Technology Association
CRCPE	Check, Root cause analysis, Correct, Prevent and Evaluate
CSD	Corporate Sustainable Development
CSR	Corporate Social Responsibility
DEKRA	Deutscher Kraftfahrzeug-Überwachungsverein
EHS	Environment, Health and Safety
EMC	Electromagnetic Compatibility
EMS	Electronics Manufacturing Services
EMT	Executive Management Team
ESG	Environmental, Social and Governance
FMEA	Failure Mode and Effects Analysis
GDCT	Green Data Center Technology Committee
GRI	Global Reporting Initiative
LCOE	Levelized Cost of Energy
LCOS	Levelized Cost of Storage
ICT	Information and Communications Technology
IDC	Internet Data Center
IEC	International Electrotechnical Commission

Acronym/Abbreviation	Full Name
IP66	Ingress Protection 66
IPD	Integrated Product Development
IPDRR	Identify, Protect, Detect, Respond, Recover
IPE	Institute of Public and Environmental Affairs
ISO	International Organization for Standardization
IT	Information Technology
ITR	Issue To Resolution
JAC	Joint Audit Cooperation
LTA	Land Transport Authority
LTC	Lead To Cash
MFP	Manager Feedback Program
MPPT	Maximum Power Point Tracking
NGO	Non-Governmental Organization
ODCC	Open Data Center Committee
OECD	Organization for Economic Co-operation and Development
OPEX	Operating Expense
PUE	Power Usage Effectiveness
QCC	Quality Control Circle
RBA	Responsible Business Alliance
RBC	Responsible Business Conduct
RMI	Responsible Minerals Initiative
SaaS	Software-as-a-Service
SNEC	Shanghai New Energy Exhibition and Conference
SSLD	Smart String-Level Disconnection
UNGP	United Nations Guiding Principles on Business and Human Rights
UPS	Uninterruptible Power Supply

Appendix 3: Assurance Statement





ASSURANCE STATEMENT
CN25/00006581

SGS-CSTC'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE *HUAWEI DIGITAL POWER 2024 SUSTAINABILITY REPORT*

NATURE OF THE ASSURANCE/VERIFICATION

SGS-CSTC STANDARDS TECHNICAL SERVICES CO., LTD. (hereinafter referred to as SGS) was commissioned by HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD. (hereinafter referred to as HUAWEI DIGITAL POWER) to conduct an independent assurance of the Chinese version of *HUAWEI DIGITAL POWER 2024 SUSTAINABILITY REPORT* (hereinafter referred to as the Report) for the period of January 1, 2024 to December 31, 2024.

INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all HUAWEI DIGITAL POWER's Stakeholders.

RESPONSIBILITIES

The sustainability information in the Report and its presentation are the responsibility of the Corporate Sustainable Development (CSD) Committee and the Work Group of HUAWEI DIGITAL POWER. SGS has not been involved in the preparation of any of the material included in the Report.

Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of assurance based upon sufficient and appropriate objective evidence.

SGS hereby states that it shall not be held responsible or liable for any direct, indirect, incidental, or consequential damages or losses arising from or in connection with the use of information provided in this report.

ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE

The assurance of this report has been conducted according to the AA1000 Assurance Standard (AA1000AS v3) , a standard used globally to provide assurance on sustainability-related information across organizations of all types, including the evaluation of the nature and extent to which an organization adheres to the AccountAbility Principles (AA1000AP,2018).

Assurance has been conducted at a moderate level of scrutiny.

SCOPE OF ASSURANCE

The scope of the assurance included evaluation of quality, accuracy and reliability of the Report and evaluation of adherence to the following reporting criteria:

Reporting Criteria Options
AA1000 AccountAbility Principles (2018)
GRI Standards 2021 (With Reference to)



ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, interviews with relevant employees on-site at the headquarters of HUAWEI DIGITAL POWER, Huawei Digital Power Anto Mountain Base, Xiangmihu Street, Futian District, Shenzhen, Guangdong, P. R. China; and online review and validation of documentation and records with relevant personnel of HUAWEI DIGITAL POWER's affiliates where relevant.

LIMITATIONS AND MITIGATION

Data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process.

The greenhouse gas emission related data in the Report has been directly adopted from the independent third party verification data and has not been double verified in this audit.

This assurance engagement did not include traceability of original data from all subordinate institutions.

STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is the world leader in inspection, testing and certification, operating in multiple countries and providing services. SGS affirm our independence from HUAWEI DIGITAL POWER, being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment.

FINDINGS AND CONCLUSIONS

ASSURANCE/VERIFICATION OPINION

On the basis of the described methodology and the assurance performed, the information and data contained in the Report are accurate and reliable, and fairly and balancedly represent HUAWEI DIGITAL POWER's sustainability activities as described in the Report.

The Report conforms to the four principles of the AA1000AS v3 to the following extent:

INCLUSIVITY

The Report has identified the organization's stakeholders, collected their expectations and concerns, established methods for stakeholder communication and engagement, and undertaken various forms of dialogue and interaction with them.

MATERIALITY

The Report has reasonably disclosed significant issues and indicators that materially affect stakeholder evaluations and decisions, reflecting the organization's most significant impacts on economic, environmental, and social matters based on the concerns raised by relevant stakeholders.

RESPONSIVENESS

The Report has demonstrated the established channels for stakeholder interaction and has fully addressed stakeholder concerns and expectations. Additionally, it has provided transparent responses on material issues to an appropriate extent.

IMPACT

The Report has provided an account of the monitoring and measurement of the principal activities' impacts concerning environmental, social, and governance (ESG) issues.

SGS

CONCLUSIONS, FINDINGS AND RECOMMENDATIONS BASED ON GRI STANDARDS 2021

The assurance team concludes that the Report has referred to the requirements of *GRI Standards 2021*.

FINDINGS AND RECOMMENDATIONS

All observations pertaining to commendable practices, sustainable development activities, and managerial recommendations identified throughout the assurance process have been thoroughly documented in the *Internal Management Report on Sustainability Reporting Assurance*. This report has been officially presented to the relevant management divisions of HUAWEI DIGITAL POWER to serve as a reference for their ongoing efforts towards continuous improvement.

Signed:



For and on behalf of SGS-CSTC

David Xin
Sr. Director – Business Assurance
16/F Century Yuhui Mansion, No. 73, Fucheng Road, Beijing, P.R. China

Sep. 17th, 2025
WWW.SGS.COM



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