

2024 OVERVIEW

**ENVIRONMENTAL
SOCIAL
GOVERNANCE**

ESG OVERVIEW



Clarkson Evans traces back to 1981 when founder Steve Evans established SP Evans Electrical Contractor, specialising in wiring new homes.

By the early 90s, Steve had partnered with former apprentice, Steve Clarkson, to create Clarkson Evans — the business then expanded steadily during the 80s and 90s throughout and beyond Gloucestershire. In 1999, we opened our first purpose-built training centre and expanded into nationwide branches over the years that followed.

Today, Clarkson Evans serves leading house builders, and a natural part of our evolving culture and commitment to sustainability led us to include the supply and installation of PV systems in our service offering.

This started with the acquisition of a solar

business in 2022, giving us access to a vast wealth of experience and knowledge in this sector.

With our comprehensive in-house training and apprenticeship academy facilities, our teams are trained and qualified to uphold the gold standard in installation and safety requirements. With our humble business roots, Clarkson Evans has managed to maintain our commitment to being a 'good business', with ESG-conscious practices throughout our history. We were immensely proud to be crowned Subcontractor of the Year 2023 at the Housebuilder Awards, recognising not just the service we provide but our investments in staff skills and sustainability, increased staff diversity, and optimised health and safety procedures.

OUR COMMITMENT IN 2024

Clarkson Evans is currently undertaking a full, third-party ESG and due diligence review, allowing us to deliver on our ESG commitments and strategy, for immediate action and work in the coming years — a full report and action list is due to be delivered in the coming months. This is an exciting prospect for us, and an important one, so that any shortcomings can be spotted and addressed, and our current policies and procedures fine-tuned for the benefit of people, our business, and the planet.

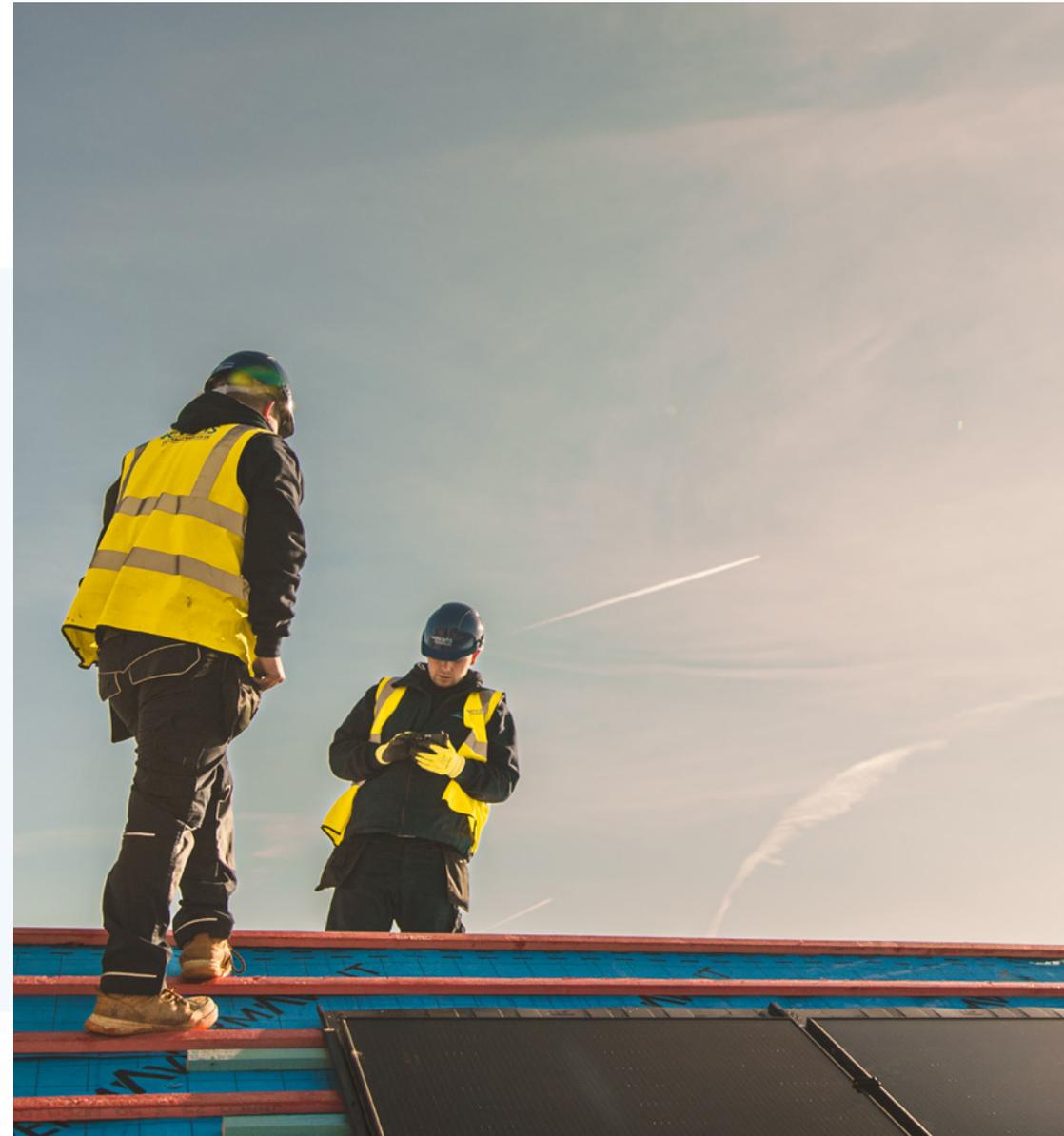
ENVIRONMENT

Clarkson Evans is committed to increasing the environmental sustainability of our business as well as supporting other businesses to transition to greener energy through the provisional supply of solar panels and battery storage.

We've installed solar panels on our own premises and all company cars in our fleet are hybrid or full-electric, with charging facilities available free of charge for all company car drivers at our HQ and all 21 branches across the UK.

To support our housebuilder customers with transitioning to green energy, we have developed an innovative solar PV compound solution to generate solar power on site.

We also ensure best practices with the suppliers we work with. Please see our 'Suppliers' for information about the companies we select to work with and the products we supply to our customers.



SOCIAL

Clarkson Evans is committed to social responsibility, and it's deeply embedded in our company culture and operations.

We recognise the importance of fostering positive relationships with our employees, customers, suppliers, and the communities in which we operate, and — from leadership to admin teams to our board — we're dedicated to ongoing training and improvement. Our social initiatives are designed to promote diversity and inclusion, ensure the health and safety of our workforce, and contribute to the wellbeing of society more broadly.

Through our various social programmes and policies, we strive to create a supportive and inclusive work environment where all individuals are treated with dignity, respect, and fairness. We're dedicated to providing equal opportunities for career advancement and professional development, regardless of gender, ethnicity, age, or background.

Furthermore, we prioritise the health, safety, and wellbeing of our employees by implementing robust safety protocols, offering mental health support services, and actively participating in industry-wide initiatives to improve occupational health and safety standards.

In addition to our internal efforts, we are committed to ethical sourcing practices and maintaining strong relationships with our suppliers to ensure compliance with labour standards and human rights principles. We believe that by upholding high social standards throughout our value chain, we can make a positive impact on the lives of workers and communities worldwide.

Through our social initiatives, Clarkson Evans aims to be a responsible corporate citizen and contribute to the sustainable development of society while creating long-term value for all stakeholders.



EQUAL OPPORTUNITIES

Our 'Equal Opportunities Policy' outlines Clarkson Evans as an equal opportunities employer, stating we will not permit discrimination on the grounds of sex, gender, disability, race, age, status of working hours, employees seeking to benefit under maternity / paternity provisions, religion or beliefs, sexual orientation, family circumstances, spent convictions (subject to the rules within the Rehabilitation of Offenders Act), trade union membership and / or activities, activities as a health and safety representative, activities as a pension trustee, or by virtue of the fact that the employee may make a protective disclosure.

The company also ensures that no individual is disadvantaged by conditions or requirements that cannot be shown to be justified in law or relevant to the performance of the job, and we acknowledge our obligations not to discriminate unlawfully against consultant staff, the self-employed and contract workers.

The company will do its utmost to ensure that all applicants and employees are treated fairly, and that the working environment is free from discrimination. Selection criteria and HR procedures ensure that individuals will be selected, promoted, and treated based on their relative abilities and merits and according to the requirements of the job.

They will be given equal opportunity and, where appropriate, training, to progress within the company.

MODERN SLAVERY

As outlined in our 'Modern Slavery and Human Trafficking Statement', Clarkson Evans sees modern slavery as a crime and violation of fundamental human rights that takes various forms, including but not limited to slavery, servitude, forced and / or compulsory labour, child labour, and human trafficking. These all hold a common trait in depriving a person of their liberty to exploit them for personal or commercial gain.

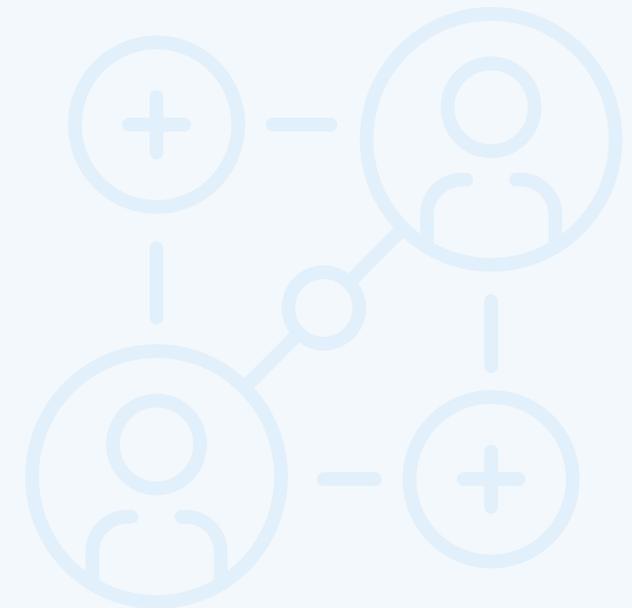
Clarkson Evans is deeply committed to ethical practices, both within our own business operations and those of all our contractors, suppliers, and other business partners. We adhere to both local labour laws and international labour standards, protecting the human rights of all our employees and workers associated with us.

As part of our contracting processes, we include specific prohibitions against the use of modern slavery. As one example, this is found in our 'Supplier General Compliance Questionnaire' which asks suppliers to evidence their compliance with the Modern Slavery Act of 2015. Throughout our supply chain, we systematically apply rigorous supplier screening and due diligence investigations. Suppliers failing to comply with these standards face termination of business relationships.

The prevention, detection and reporting of any form of modern slavery in any part of our business or supply chain is the responsibility of all those working for and with us.

Any activity that might lead to, or suggest, a breach of this policy in any part of our business or supply chain is notified to our HR team at the earliest possible stage. We encourage openness and support anyone who raises genuine concerns in good faith under this policy, even if they turn out to be mistaken.

This policy applies to all persons working for us or on our behalf in any capacity, including employees at all levels, directors, officers, agency workers, seconded workers, volunteers, interns, agents, contractors, external consultants, third-party representatives, and business partners.



HEALTH, SAFETY, AND WELLBEING

We take health, safety, and wellbeing very seriously and we're proud holders of a [RoSPA Order of Distinction Award](#). Our Health & Safety Committee includes three of our board members, ensuring that safety considerations remain at the forefront of strategic decision-making and leading to considerable investments, including powered respirator kits for our workforce to reduce dust hazards.

As members of the [Home Builders Federation H&S Committee](#), we're building relationships with colleagues across the industry and contributing to policymaking, for example, by encouraging the use of brick vents to reduce the need for core drilling and the associated dust/vibration hazards.

We have a dedicated Wellbeing Team of trained Mental Health First Aiders, and we fund support sessions with an external counsellor when needed. We are a Company Supporter of the [Lighthouse Club](#), giving us access to valuable mental health resources and training.

Our Health and Safety policy has been prepared to define the way that Clarkson Evans intends to manage health and safety and meet the requirements of Section 2(3) of the [Health and Safety at Work Act 1974](#). This act requires an employer to prepare a statement of general policy with respect to health and safety at work and to detail the organisation and arrangements set up to carry out that policy.

Our policy is supported by the Clarkson Evans Health and Safety Management System which is a series of associated Instructions, Procedures, Assessments, Guidance documents and forms. The Document System formally communicates the instructions and procedures covering operation and work activities from Directors, Managers, Supervisors, and all other personnel employed or involved in the Company's activities.

The Document System has been developed to meet statutory requirements for a Safety Management System and uses the Plan, Do, Act, Check Methodology to ensure the health and safety of all personnel associated with work activities including contractors, visitors, and the public.

The policy and its associated documents apply as defined to all personnel employed or contracted to Clarkson Evans as appropriate to the work being undertaken. It is the duty of personnel so involved to apply the requirements of these documents to their work.

MENTAL HEALTH

Clarkson Evans recognises that supporting the mental wellbeing of our employees is as important for both individuals and the organisation. Mental wellbeing is a key factor in an individual's health and safety, social wellbeing, and productivity. By promoting good mental health, the positive benefits are realised by individuals and the company. The many different aspects of mental ill-health and stress are associated with a broader range of illnesses and disabilities within our society today.

A positive, supportive culture for mental wellbeing is important for all employees and therefore should be applied across the organisation. Everyone can contribute to mental wellbeing in our workplace and by doing so deliver a wide range of benefits to employees, the organisation and others. In doing so we can also support those who have experienced mental health problems within the world of work, through better access to employment opportunities and ongoing help and assistance.

Our policy sets out the framework for our organisation to provide a positive environment that promotes and supports a positive state of mental health and wellbeing for our employees and those we work with.

The policy also aims to ensure those who are experiencing mental health issues are supported through several measures with respect, confidentiality and without discrimination.

APPRENTICESHIPS

We're proud to be in the [UK's Top 100 Apprentice Employer list](#). Apprenticeships are embedded into our business and we're proud that around 70% of our managers in technical roles first joined the company as apprentices. We also have a strong focus on offering long-term careers to apprentices joining us in non-electrical roles such as IT, HR, finance, and more.

With the changes to regulations increasing the expected volumes of PV over the coming years, Clarkson Evans is investing heavily into PV installation, securing key personnel and supply chain partners. Clarkson Evans incorporates PV install into our existing, award-winning apprentice programme that already takes on around 120 new electrical apprentices each year, to ensure we're growing a sustainable and qualified workforce able to meet the future needs of the PV market.

DIVERSITY

Building a diverse workforce is very important to us. We are proud members of the Building Bridges Network, which brings together leading construction industry names to champion best practice for equality, equity, diversity and inclusion in the industry.

Our female workforce includes thirteen site-based staff, a health and safety advisor, and two electrical lecturers. In 2021 we were pleased to celebrate a woman becoming our CEO.

Through our Female Electricians Working Group we actively encourage a strong network that informs top-level decision-making.

SAFEGUARDING AND PREVENT

Clarkson Evans Training is committed through its 'Safeguarding and Prevent Policy' to providing a safe and secure environment for learners, staff, and visitors by promoting a climate where learners feel confident about sharing concerns they may have about their safety or the wellbeing of others.

We all have a responsibility to ensure vulnerable adults at risk are protected from harm, informed about potential risks to their welfare, and understand how to seek help. We ensure all concerns are dealt with in a timely and appropriate manner. Our policy applies to all those working in, studying at, or visiting a training centre. Our policy and supporting documents are revised annually or when there are changes to relevant legislation.



GOVERNANCE

Clarkson Evans is committed to fostering a culture of transparency, accountability, and ethical conduct across our organisation.

We believe strong governance practices are essential for ensuring the integrity of our operations and maintaining trust with our stakeholders.

As part of our commitment to governance excellence, we actively review and optimise our structures and processes. This includes regular assessments and updates of our policies and procedures to ensure alignment with evolving best practices and regulatory requirements.

We're reviewing and renewing our existing ESG strategy and policies to reinforce our position in the market as not only the largest electrical and PV contractor for new-build properties in the UK, but also to ensure and enhance our offering to our long-standing clients, our workforce, the communities across the UK that our 21 branches are part of, and our impact on the environment.



SUPPLIERS

We understand and acknowledge the importance of our supply chain on our Environmental Social Governance.

We continuously review and assess our suppliers to ensure they can demonstrate their environmental and sustainability credentials and certifications and meet the required quality standards in the products and services provided through us to our customers.

The following is based on information received directly from our suppliers.



LONGi

Clarkson Evans is proud to work with LONGi, the world’s leading supplier of solar PV solutions and a global leader in the transition to cleaner energy solutions.

In LONGi’s ‘Statement of Environment, Health, and Safety (EHS) and Social Responsibility Commitments & Requirements for its Suppliers’, they declare that they consider these impact responsibilities a priority in their own operations and through the requirements placed on their own suppliers.

PRODUCTS WE USE FROM LONGi INCLUDE:

LR5-54HPB
LR5-54HTB
LR5-66HPH

As members of the United Nations Global Compact (UNGC), they are bound by ten guiding principles concerning human rights protection, labour protection, environmental protection, and anti-corruption within their sphere of influence, including (for the purposes of this document):

“...support and respect the protection of internationally proclaimed human rights...” and “make sure that they are not complicit in human rights abuses” and the “elimination of all forms of forced and compulsory labour” as well as “the effective abolition of child labour.”

“...support a precautionary approach to environmental challenges” and “undertake initiatives to promote greater environmental responsibility” and “encourage the development and diffusion of environmentally friendly technologies.”

“...work against corruption in all its forms, including extortion and bribery.”

LONGi maintains business relationships only with reputable and responsible partners, as shown when they terminated business relationships with 29 suppliers in 2022 due to non-compliance with CSR Code of Conduct of LONGi Suppliers.

Their processes strictly screen and select high-quality partners by establishing and improving a partner onboarding system, require partners to sign and comply with the CSR Code of Conduct

of LONGi Suppliers, conduct appropriate compliance and due diligence related to partner export controls, anti-money laundering, labour protection, environment, social responsibility, supply chain traceability, etc., and work closely with partners, committed to achieving mutual sustainable development.

LONGi’s Statement goes on to declare they “obey all environmental laws, regulations, and international treaties and take full consideration of their impacts on nature and ecological environment when organising corporate activities”, that they “handle various matters in accordance with applicable statutory and international standards on environmental protection, including the management of hazardous substances and wastewater”, and “avoid, minimise and offset any material impact of their operations on biodiversity in their production and operation activities where necessary”.

LONGi is a Tier 1 panel manufacturer, a status that can only be achieved by organisations that manufacture the entirety of their panels in-house, including components, silicon, frames, and electronics. If a panel manufacturer is not designated as Tier 1, determining sustainability and ESG compliance can only be achieved by reviewing whether components used in the manufacturing process come from external suppliers and then scrutinising the level of compliance they achieve.

Tier 1 status is an important mark of quality for manufacturers who prioritise social responsibility, demonstrating that the manufacturer has been producing panels using the highest-grade silicon and through automated manufacturing processes for at least five years. A company needs to dedicate significant resources to research and development and achieving sustainability to qualify for Tier 1.

The [LONGi Code of Business Conduct](#) and [CSR Code of Conduct](#) of LONGi Suppliers enshrine social responsibility commitments in relation to their own operations and the requirements they place on their suppliers, including the suppliers of polysilicon. Strict compliance with the CSR Code of Conduct of LONGi Suppliers is an essential prerequisite for the suppliers seeking to establish and sustain a business relationship with LONGi.

LONGi engages independent third-party auditors to assess the compliance of their manufacturing sites with the globally recognised standards of social accountability, such as SA8000. Several of their manufacturing sites are SA8000 certified, and they continue to expand the pool of SA8000 certified sites. Previously, STS – another independent third-party – conducted its Traceability Management System Audit of LONGi’s Supply Chain Traceability Management System. LONGi scored 83.7% that corresponds to level ‘A’ on the STS Maturity Index, with a net score above 80% corresponding to each Traceability Management System Chapter, including Governance, Support, Security, and Operation.

As part of the development of SSI (Solar Stewardship Initiative) ESG Standards (to support independent certification of solar production sites), LONGi volunteered to participate in the pilot audit in Q1-Q3 2023 conducted by an independent third- party of its manufacturing site. Out of 10 solar PV module manufacturing sites, including 2 European manufacturing sites, LONGi ranked 2nd based on the number of conformances.

Compared to its solar PV module peers, LONGi has one of the lowest ESG risk scores based on MSCI (Morgan Stanley Capital International) ESG Risk Rating.



DMEGC

Founded in 1980, DMEGC Solar is committed to be the world’s leading renewable energy company. With industry-leading R&D, manufacturing technologies, quality management and service, DMEGC Solar provides high-efficiency and reliable PV products.

- Top 10 PV Module suppliers in 2022 (PVTECH)
- Bloomberg ‘Tier 1 Solar Panels Manufacturers’
- EUPD Research ‘Top Brand PV Modules’ since 2018
- Top Performer in PVEL PV Module Reliability Scorecard
- Leading Altman-Z score ranking in Global Solar Industry

The parent company of DMEGC Solar is the Hengdian Group. Founded in 1975, Hengdian Group is one of China’s largest private groups. It has been listed in the ‘China Top 500 Enterprises’, ‘Forbes China Top Enterprises’, ‘China Top 50 Innovation Competitiveness Private Enterprises’, and other prestigious rankings.



PRIORITIES ALIGNED TO SDGS

DMEGC Solar integrates sustainability goals into its business value chain, which has positioned the company as a responsible player in the industry.

DMEGC has identified five pillars to improve the level of sustainable development according to the UN Sustainable Development Goals.

01 Establish a sustainable company	02 Protect Green Environment	03 Create value for customers	04 Strengthen Supply Chain Management	05 Create a better society
A scientific and efficient decision-making mechanism to promote healthy, stable and sustainable development.	A full environment management system to reduce DMEGC’s carbon emissions.	Ensure products lead the industry in efficiency, performance and quality to maximise customer value.	Sustainable development integrated into DMEGC’s supply chain, continuously reducing the environmental and social risks.	Abide by labour laws and policies to build harmonious labour relations and share the achievements of employees and society.

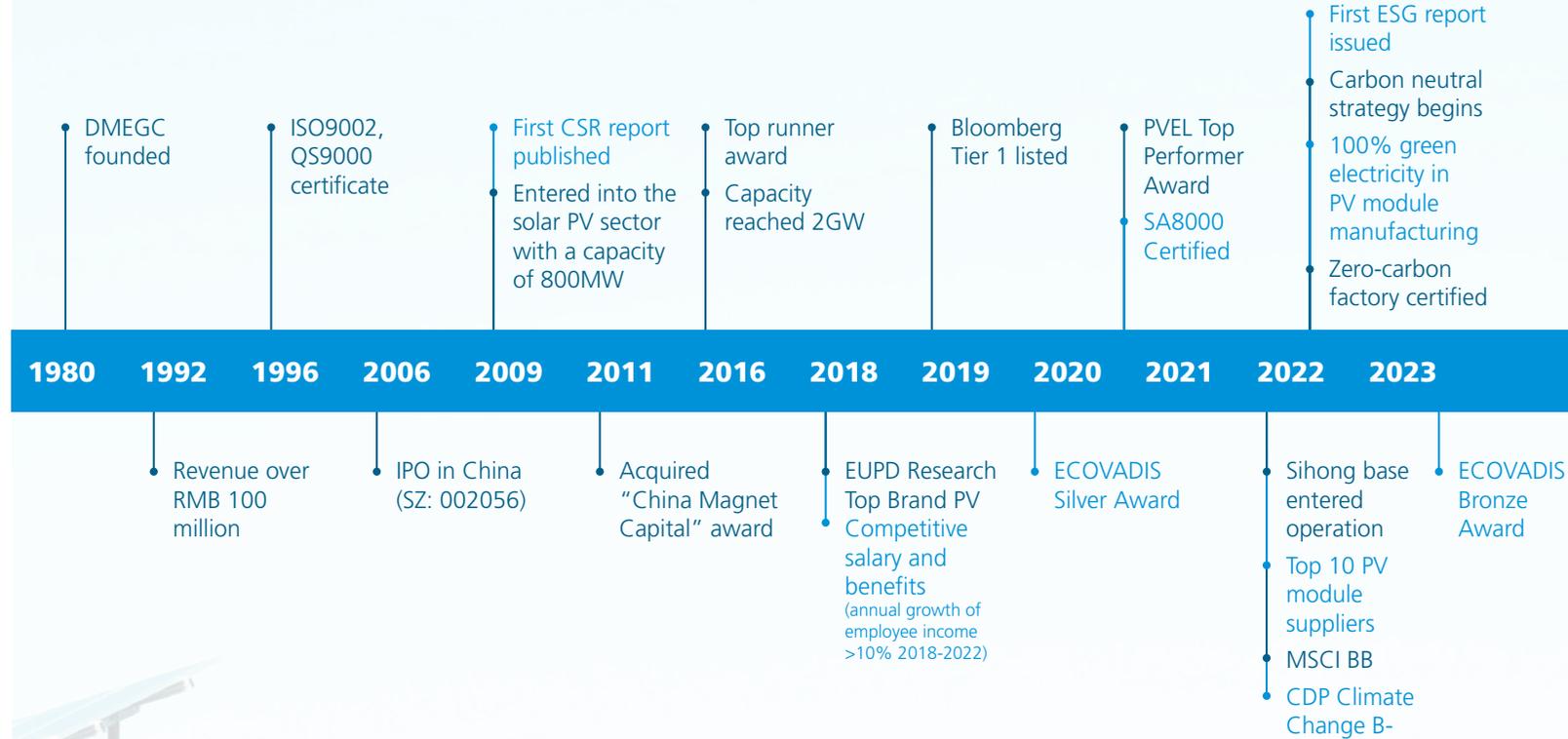


PRODUCTS WE USE FROM DMEGC INCLUDE:
Photovoltaic panels

ESG MILESTONES

DMEGC is committed to being a socially responsible renewable energy solutions provider. Since the company was founded, DMEGC has focused on quality manufacturing and innovation while achieving notable ESG milestones.

- EUPD Research Top Brand PV For 6 consecutive years
- Bloomberg Tier 1 for 5 consecutive years
- Phase out of PFAS from products and packaging
- ESG Report in accordance with GRI Standards Certified by TÜV Nord
- Certisolis carbon footprint certification (first leading Chinese PV company)





HENGDIAN, ZHENGJIANG (8GW CELL+ 2GW MODULE)

National Ministry of Industry and Information Technology
"Green Factory"

P6 plant: The first batch of "Future Factories" in Zhejiang Province

P7 plant: "Smart Unmanned Factory"

Module plants: 100% green energy



SIHONG, JIANGSU (5GW MODULE)

100% green energy

Jiangsu Provincial "Green Factory"

TÜV SÜD "1st Zero Carbon Factory" (Oct 2023)



LIANYUNGANG, JIANGSU (5GW MODULE)

100% green energy

ENVIRONMENTAL CREDENTIALS

DMEGC Solar is a world-leading manufacturer of renewable energy. As of Q2 2023, the cumulative shipment of PV products has generated 30GW of energy. However, the company's focus is not just on end products that generate renewable energy.

MANUFACTURING FOCUS

DMEGC Solar currently has five major manufacturing bases and more than 20 specialised factories. In 2023, DMEGC Solar achieved 100% green energy in PV module manufacturing.

Two of its factories have achieved 'Green Factory' status with one achieving TÜV SÜD '1st Zero Carbon Factory' in October 2023. Aside from green energy procurement and being a clean energy facility, DMEGC Solar has introduced energy saving measures through improvements in air conditioning, air pressure and exhaust air.

PRODUCT FOCUS

Based on cutting-edge technologies and advanced manufacturing facilities, DMEGC offers dependable, high-performance solutions and products to customers internationally. Their aim is to contribute to a global transition towards a low-carbon future. They are dedicated to promoting the continuous development of the PV industry by facilitating the rapid application of new technologies and processes to production.

DMEGC has successfully obtained core system and product certifications from globally authorised organisations. They were one of the first companies to achieve French low-carbon certification for the module lifecycle. Their products have been awarded EUPD Research 'Top Brand PV Modules' and PVEL 'Top Performer' PV Module Manufacturer.



Since DMEGC entered solar PV production, it has focused on improving the environmental credentials of its modules. This includes reducing ammonia and nitrogen emissions, reducing fluoride and chloride emissions, developing fluoride-free backsheet materials, introducing lead-free welding, and using dealcoholised silica gel. All series of PERC and TOPCon modules are PFAS-FREE and pass the RoHS & REACH SVHC/Annex XVII tests.



SOCIAL CREDENTIALS

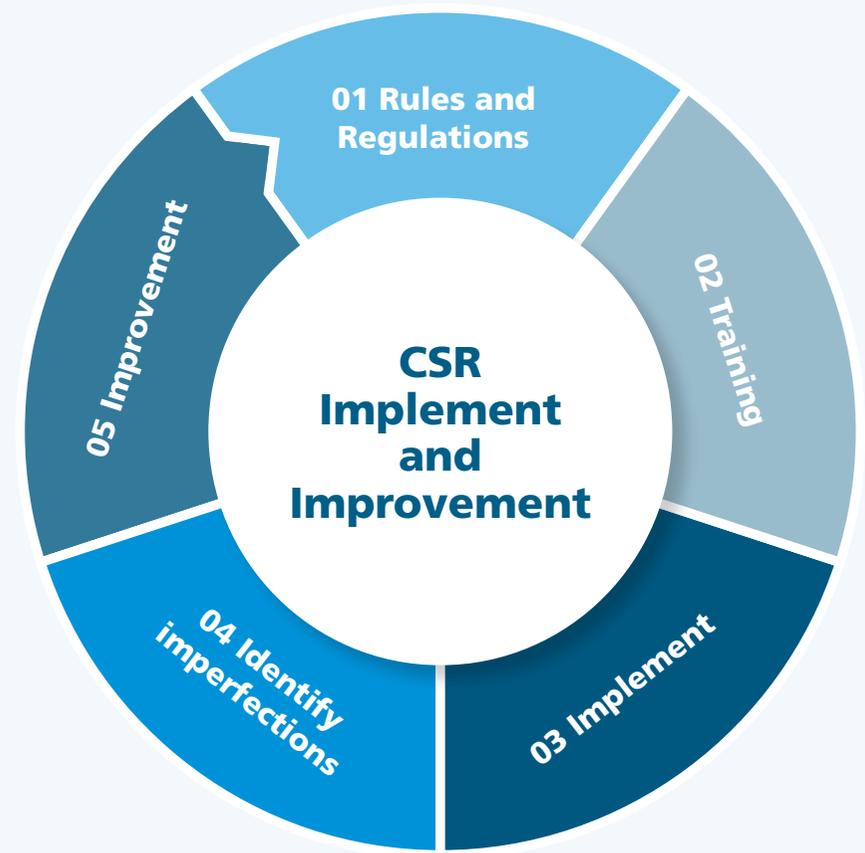
In 2009, DMEGC published its first Corporate Social Responsibility report when it entered the solar PV sector. Today, CSR is cascaded throughout the company from group to divisions. In the Solar division, a Social Responsibility Performance Team brings together workers representatives, where frontline workers are encouraged to participate, and an internal and external audit and management review are carried out.

In 2021, the company was certified by TÜV NORD that it applies a management system in line with SA8000: 2014 for design and manufacture of photovoltaic solar cells and modules.

The company voluntarily respects the principals of the international instruments listed in SA8000: 2014 Standard Part II "Normative Elements and Their Interpretation".

This includes, among others, ILO Conventions 29 (Forced Labour), 105 (Abolition of Forced Labour), ILO Convention 138 and Recommendation 146 (Minimum Age) and 182 (Worst Forms of Child Labour), Universal Declaration of Human Rights, and UN Guiding Principles on Business and Human Right, and committed not to engage in or support the use of forced or compulsory labour, and to accept any suppliers/subcontractors who use child labour or forced and compulsory labour.

As part of DMEGC's social responsibility the company says, "We believe it is our responsibility to ensure no product we manufacture and sell or obtain is the result of any child or forced labour."



01 Rules and Regulations in accordance with laws, regulations and system requirements

02 Training all staff and workers

03 Implement and correct non-conformance items in time

04 Identify imperfections by auditing and collecting employee comments

05 Improvement

GOVERNANCE CREDENTIALS

Governance sits at the heart of DMEGC’s business strategy. An ESG Management Committee is positioned directly under the Board of Directors. The Board leads decision-making. The ESG Promotion Group leads management. Each management and business department leads implementation.

DMEGC Solar’s comprehensive quality management covers all business processes, including R&D, manufacturing, transportation, delivery, and customer service. These processes are fully traceable to ensure the highest standards of quality.

DMEGC has achieved the following certifications and built its ESG policy and management system on this basis:

- SA8000®
The world’s leading social certification standard
- ISO 9001
Quality management systems
- ISO 14001
Environmental management systems
- ISO 45001
Occupational health and management systems
- ISO 50001
Energy management systems

In July 2023, DMEGC partnered with TÜV SÜD to carry out GHG verification and zero-carbon factory certification based on ISO 14064 and T/CECA-G 0171—2022.

SUSTAINABLE PROCUREMENT

DMEGC has developed a supplier code of conduct that 100% of suppliers are required to sign. It requires compliance with eight performance criteria based on the SA8000 standard. Due diligence is conducted to ensure execution.

1. No use of child labour.
2. No use of forced and compulsory labour.
3. Provide a safe and healthy workplace.
4. Freedom of association and right to collective bargaining.
5. No discrimination based on race, national or social origin, caste, birth, religion, disability, gender, sexual orientation, union membership, political opinions and age.
6. Treat all personnel with dignity and respect.
7. Compliance with laws & industry standards on working hours.
8. Respect right of personnel to a living wage.

The DMEGC Supply chain features leading manufacturers in the PV industry. Every part of each module is origin traceable, which means there is total process tracking from every PV module right back to supply of polysilicon. 100% of suppliers are ISO 9001 / 14001 / 45001 certified. Every supply has passed DMEGC supply chain CSR due diligence audit.



HUAWEI DIGITAL POWER TECHNOLOGY

Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices.

Established in June 2021, Huawei Digital Power Technology Co., Ltd is a world leading provider of digital power products and solutions. They are committed to integrating digital and power electronic technologies, developing clean power, and enabling energy digitalisation to drive the energy revolution for a better, greener future. The company has approx 6,000 employees, conducting business in more than 170 countries and regions worldwide.

Huawei is committed to building the clean energy generation system driven mainly by Photovoltaic (PV) & Energy Storage (ES) solutions. In 2022, the company published [Huawei Digital Power 2022 Sustainability Report](#), whose preparation followed the GRI Sustainability Reporting Standards.

Huawei offers intelligent FusionSolar PV+ES solutions for utility-scale, commercial & industrial (C&I) and residential scenarios in power generation, transmission, distribution, and consumption. These solutions bring customers a lower levelised cost of electricity and levelised cost of storage over the lifetime, improving the grid forming

performance and enabling PV as a main energy source.

The company continues to increase the use of renewable energy in their own operations. By the end of 2023, Huawei FusionSolar has helped customers generate 1109.5 billion kWh of green electricity, curbing 527 million tonnes of carbon dioxide, which is equivalent to planting 719 million trees.¹

PRODUCTS WE USE FROM HUAWEI DIGITAL POWER INCLUDE:

- Hybrid Inverters
 - Battery Solutions
 - Optimisers
-

Conversion note: 1. Conversion coefficient of electricity carbon emissions – 1 kWh electricity is equivalent to 475 g CO₂ (global average). Source: IEA Global Energy & CO₂ Status Report 2018; 2. Lifetime CO₂ absorption of trees (equivalent number of planted trees) – A tree absorbs 18.3 kg of CO₂ a year, and each tree has a 40-year lifespan. Source: Open data of the North Carolina State University website.



1109.5
Billion kWh Green Power Generated



527
Million Tonnes of CO₂ Emissions Reduced



719
Million Equivalent Trees Planted

SUSTAINABLE DEVELOPMENT STRATEGY

Huawei Digital Power has rolled out its sustainable strategy 'ZERO', which consists of four key areas aligned with the United Nations' Sustainable Development Goals.

01 ZERO-CARBON ENABLEMENT

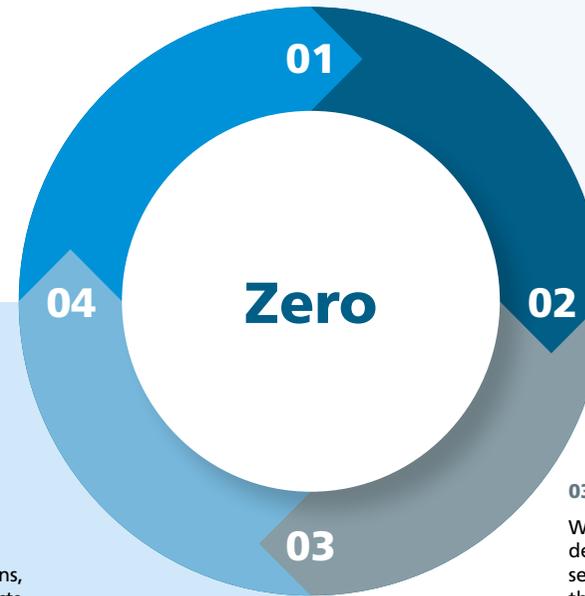
Promoting the utilisation of clean energy with leading products and solutions and guiding all parties to build a zero-carbon system.

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

02 EMPOWER WITH DIGITALISATION

Use digital products and solutions to equip all industries with efficient, intelligent, safe, and accessible energy.

- Digital technology



04 RESPONSIBLE OPERATION

Deep rooted corporate business ethics that strengthen sustainable development governance, creates responsible supply chains, and provides customers with reliable products and high-quality services.

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

03 ONE-MIND GROWTH

Working with partners to achieve common development, encouraging employees' self-worth, working with all parties of the industrial supply chain to create a business ecology of common prosperity, and making continuous contribution to social development.

- Employee rights and development
- Occupational health and safety
- Building of business ecology
- Social contribution

ZERO-CARBON ENABLEMENT

Huawei Digital Power aims to continuously explore optimal ways to build a low-carbon, circular economy and find innovative solutions to make their own supply chain greener. Huawei has improved its environmental management systems, formulated and implemented the norms for the Management of Environmental Protection, advocated the 'Green Office', acted on clean production, and strengthened the management over 'Three Wastes' (waste gas, waste water, and waste residue).

ENERGY CONSERVATION

Huawei complies with environmental laws and regulations and has integrated requirements for energy efficiency and environmental benefits into its business activities including R&D, operations, procurement, manufacturing and supply chain. Huawei Digital Power has achieved ISO 14001 environmental management system certification.

GREEN OPERATION

Huawei Digital Power promotes zero-carbon through its operations, supply chain and products. The company's Antuoshan Park has been built to near-zero carbon standards. At 18,000 square metres, it is one of Shenzhen City's first near-zero demonstration projects and a demonstration base for urban green low-carbon scenarios. This facility sets the benchmark as it integrates source, grid, load and storage energy solutions with AI-based coordinated scheduling and digital management. The park was awarded the Carbon Neutrality Pioneer Award at the 2022 International Competition of Carbon-neutral Future Life Innovation Design, sponsored by the World Urban Planning Education Network (WUPEN) and International Green Building Alliance.

Energy management is a major component of Huawei's Green Environmental Protection Strategy. Huawei Digital Power has achieved ISO 50001 energy management system certification.



GREEN SUPPLY CHAIN

Huawei Digital Power has established its procurement CSR management system based on the OECD’s Due Diligence Guidance for Responsible Business Conduct and the IPC-1401 Corporate Social Responsibility Management System Standard. CSR requirements are incorporated into its procurement strategy and business processes from material and supplier qualification, selection, and appraisal to performance management and procurement fulfilment.

Huawei Digital Power endorses the United Nations’ Guiding Principles on Business and Human Rights and is serious about the societal and environmental impact of its global procurement and supply chains. The company sees the use of child labour or forced labour as red-line issues, and has zero tolerance for violations.

Huawei Digital Power has integrated low-carbon environmental protection requirements into its purchase strategy and business flows. Suppliers are rated on performance in low-carbon environmental protection. Huawei Digital Power actively cooperates with the suppliers, assisting them in calculating and assessing carbon emissions, and urges them to set reduction goals and take actions. By the end of 2022, the company worked with its Top 40 suppliers (by purchasing amount, contributing 82.59% of the total purchase amount) to assess carbon emissions, formulate carbon emission plans, and implement the carbon emission reduction projects.

LOW CARBON PRODUCTS

At the start of design, every product is assessed in terms of being environmentally-friendly, as well as assessment of quality and safety risks. There are strict controls for the quality of incoming materials, living up to quality control from the source.

Before products are shipped, the company strictly controls product quality. For example, every inverter is subjected to a series of tests (including drop test, dust-proof test, wind-blowing and raining test, icing test, noise test, EMC, and lightning test etc.) at the testing laboratories, and proven to meet IP66 protection level before the shipment.

All products conform with product standards required by laws and regulations of target countries, and accompanied by Regulatory Compliance Statement, Safety Manual, Installation Guide, nameplate, certification log, and Emergency Response Guide etc., which further assure the product operation safety.

Huawei Digital Power SSLD was conferred the world’s first conformity declaration CB certificate and the world’s first circuit breaker specification conformity SSLD certificate by Intertek and DEKRA. According to the two agencies’ certification results Huawei Digital Power SSLD complies with IEC 60947-2 international standard.

EMPOWER WITH DIGITALISATION

Huawei Digital Products sees low carbon and digitalisation as the bedrock for sustainable development.

At a corporate level, as part of its sustainability strategies, Huawei launched the TECH4ALL digital inclusion initiative in 2019 to promote digital inclusion as part of contributing to the UN SDG 4 Quality Education. Over the past five years, Huawei has worked with more than 40 partners, including UNESCO and IUCN, and made substantial progress in TECH4ALL’s four areas of focus: education, environment, health, and development. By the end of 2023, Huawei’s TECH4ALL education programmes had benefited 630 schools and more than 400,000 people, including K–12 teachers and students, unemployed young people, and senior citizens.



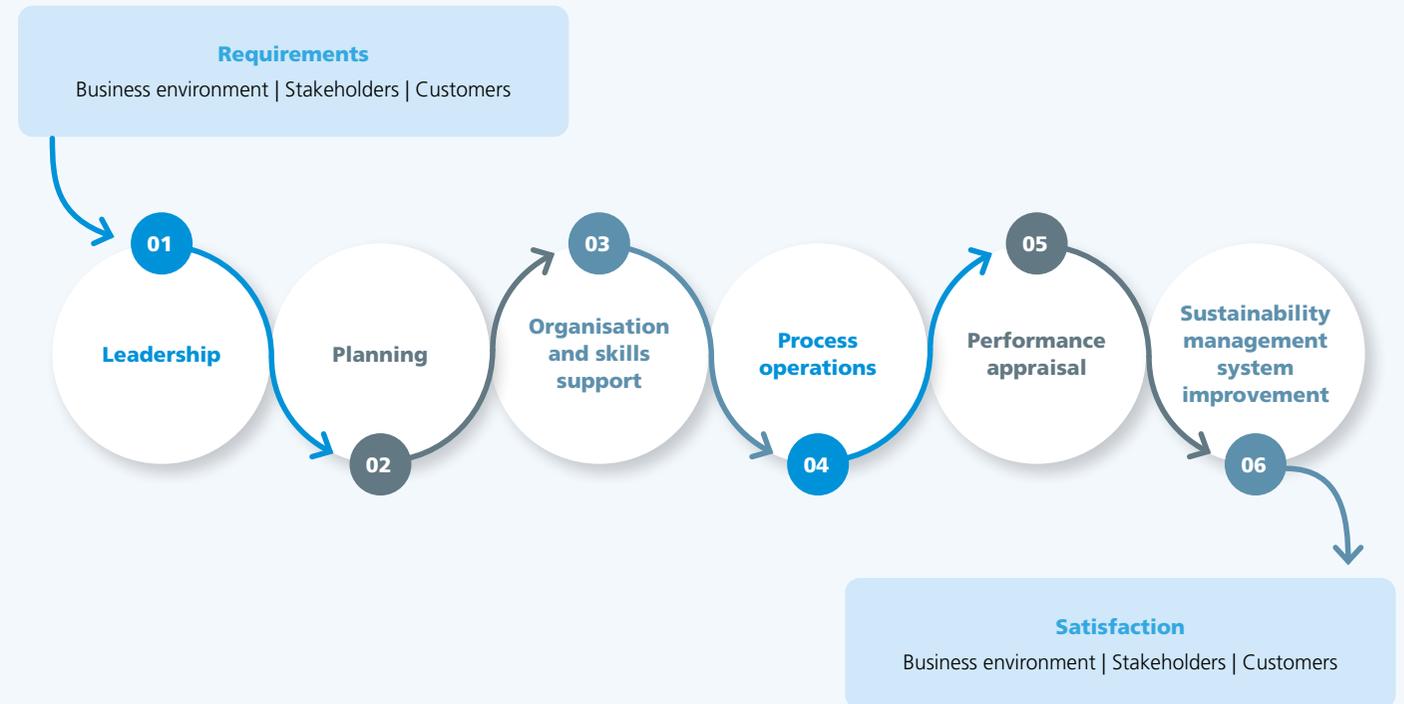
RESPONSIBLE OPERATION

In 2023, Huawei reviewed its material topic matrix and increased the priority of ‘sustainability management’ to better respond to stakeholder requirements.

Huawei has established a systematic sustainability management system based on standards such as ISO 26000 and the Responsible Business Alliance (RBA) Code of Conduct. They closely monitor internal and external environments to identify sustainability risks and opportunities and drive continuous improvement. This supports the implementation of sustainability strategies, ensures operational compliance, and continuously improves stakeholder satisfaction.

Huawei Digital Power CSD Committee makes top-level decisions for related matters. The Head of the Quality Operations and Process IT Department sits as director on the CSD Committee, with committee members including senior executives from the corporate departments. Reporting into this committee is the CSD Work Group which meets monthly and is responsible for supporting CSD Committee’s operation and implementing strategic objectives.

Huawei’s sustainability management system



01 Leadership

- Sustainability strategies, principles, and objectives
- Sustainability policies, rules, and standards
- Tiered sustainability management authorisation
- Sustainability culture, incentives, and accountability

02 Planning

- Countermeasures for risks and opportunities
- Sustainability solution planning
- Change planning

03 Organisation and skills support

- Quality and operations organisation
- Capacity building
- Infrastructure
- Knowledge management
- Document management

04 Process operations

- Major business processes (IPD/LTC/ITR)
- End-to-end sustainability management (incorporating sustainability requirements into processes)
- Building sustainability into the entire value chain (suppliers/partners)

05 Performance appraisal

- Customer satisfaction surveys
- Maturity assessments
- Measurements, analyses, and evaluation
- Sustainability reviews
- Management reviews

06 Sustainability management system improvement

- Issues closure
- Cause analysis
- Continuous improvement

ONE-MIND GROWTH

Huawei Digital Power is committed to complying with the Universal Declaration of Human Rights and observes the Group’s Caring for Employees Policy that lays out the principles and requirements that a good employer must meet to ensure employee care. These principles and requirements cover child labour, forced or involuntary labour, health and safety, diversity, discrimination, humane treatment, working hours, compensation and benefits, freedom of association, privacy protection, and learning and development.

Huawei Digital Power has put in place processes, systems, and baselines to ensure employee care policies are effectively implemented. When it comes to recruitment, promotion, and compensation, they do not discriminate against anyone based on race, religion, gender, sexual orientation, nationality, age, pregnancy, or disability. They prohibit the use of child labour and forced labour (including bonded or indentured labour) and have effective measures in place to prevent the recruitment, use, and dismissal of such labour. Not a single instance of child

or forced labour has been found at Huawei Digital Power and all suppliers are held to this same standard, with regular audits conducted to ensure their compliance.

HEALTH AND SAFETY

Huawei Digital Power attaches great importance to employees’ health and safety, actively cares for employees, and keeps improving the occupational health and safety system. The company has established the EHS management system environment according to PDCA cycle (Plan, Do, Check, Action), passed ISO 45001 occupational health safety management system certification, and implemented employee occupational health monitoring management work.

Each year, Huawei Digital Power invests in planning, preparation, and revision of more than 100 important industrial standards, and hosts or organises multiple important industrial standard meetings in the fields of smart PV, energy storage, smart EV, charging network, data centre energy, and site power etc., making active contributions to the industry’s healthy development.



HUAWEI DIGITAL POWER’S MANAGEMENT SYSTEM CERTIFICATIONS

GB/T 19001-2016 /
ISO 9001:2015 /
TI9000-Hsv R6.3/R5.7
Quality Management
Systems

GB/T 45001-2020 /
ISO 45001:2018
Occupational Health and
Safety Management
Systems

ISO 2626:2018
Functional Safety
Management Process
System

ISO/IEC 20000-1:2018
IT Service Management
System

GB/T 24001-2016 /
ISO 14001:2015
Environmental Management
Systems

IECQ QC 08000:2017
Hazardous Substance
Process Management
System

ISO 22301:2019
Business Continuity
Management System

IEC-62443-4-1:2018
Industrial Network Security

GB/T 23331-2020 /
ISO 50001:2018;
RB/T 107-2013
Energy Management
Systems

ISO 28000:2007
Supply Chain Security
Management System

ISO/IEC 27001:2022
GB/T 22080-2016 /
ISO/IEC 27001:2013
Information Security
Management Systems

GB/T 29490-2013
Intellectual Property
Management System

ANSI/ESD S20.20-2021
IEC 61340-5-1:2016
Electrostatic Protection of
Electronic Parts Equipment

IATF 16949:2016
Quality Management
System for the Automotive
Industry

FOR FURTHER INFORMATION:

- [Huawei’s Annual Report 2023](#)
- [Huawei Digital Power 2022 Sustainability Report](#)
- [Active Safety and Grid Forming, Accelerating PV+ESS as the Main Energy Source](#)

GSE INTEGRATION SOLAR MOUNTING FRAMES

Clarkson Evans installs solar panels on mounting frames manufactured by GSE Integration (GSEi), part of the Terreal and Creton Group (soon Wienerberger Group).

GSEi has benefited from the Group's Corporate Social Responsibility (CSR) program and has worked on deploying CSR actions that are more specific to its activities. The next EcoVadis rating (for which Terreal currently have a silver medal) will be at the Group level.

Products are made in France and other Europe-based factories, so quality standards, norms, and social criteria are applied and adhered to stringently.

Additionally, GSEi ensures that they source their raw materials in an ethically responsible manner.

Metallic flashing is made from Scandinavian metal — a region known for its environmental regulations, ethical practices, and sustainable practices.

One reason for working with GSEi as our preferred in-roof mounting system is its flexibility on the size of panel you're able to install, ensuring maximum PV generation, no matter what kind of roof it is being secured to.



SOLAX POWER

SolaX is a global leading solar solutions provider and Asia’s first hybrid inverter manufacturer.

Since its establishment in 2012, SolaX has grown into a multinational corporation with over 2,000 employees worldwide in a decade. With headquarters in Hangzhou, China and branches in Netherlands, Germany, UK, Australia, Japan and US, SolaX sells products to more than 80 countries.

The company’s vision is to be the trusted global leader in smart energy solutions. It’s mission is for accurate and agile innovation for a green future. With strong roots in R&D, SolaX has over 100 national patents, including 40 invention patents.

PRODUCTS WE USE FROM SOLAX POWER INCLUDE:
String Inverters

HEALTH & SAFETY

SolaX controls the operation and activities related to important environmental factors and major risks to ensure the effective implementation of the environmental/occupational health and safety policy. They have an objective of “Zero” accidents of major environmental pollution, “Zero” accidents of occupational diseases, “Zero” accidents of production safety objectives and effective implementation of control programmes.

NATURAL RESOURCES

SolaX ensures that water, electricity and other resources are conserved and energy consumption is reduced through effective management and control of water, electricity and other resources for production and living.

WASTE MANAGEMENT

The company’s production of waste water comes mainly from the battery production process. Waste water enters the sewage treatment station after treatment to meet the standards into the municipal sewage network discharge. Through the management and control of production and domestic wastewater, SolaX ensures that any wastewater discharged meets the requirements of laws, regulations and local environmental protection departments, to mitigate or eliminate the environmental pollution of water bodies, and to ensure compliance with the relevant emission standards.

The waste gas emission of the production workshop shall comply with the second level of GB16297-1996 Integrated Emission Standard of Air Pollutants.

Hazardous wastes, such as waste slag, waste oil, waste chemical containers, waste batteries and lamps, are collected and

disposed of by the Department of Administration in accordance with regulations.

The management of waste chemicals and chemical containers is implemented in accordance with the relevant provisions of the Waste Management Regulations.

SUPPLY CHAIN

SolaX Power is committed to building an honest, fair and compliant supply chain system. Its supplier compliance monitoring mechanism is designed to ensure that all of suppliers meet its ethical business standards and legal and regulatory requirements, including but not limited to human rights, labour, environmental, and anti-corruption aspects. SolaX monitors suppliers through a variety of measures, including review of contracts and policy documents, site visits, third-party audits, etc., to ensure supplier compliance and reliability.

CERTIFICATIONS

SolaX has been awarded the following certifications for the R&D and Assembly of energy storage battery including battery management system (export only), R&D and production of solar photovoltaic inverters:

[GB/T19001-2016 / ISO 9001](#)
2015 Quality Management System

[GB/T24001-2016 / ISO 14001](#)
2015 Environmental Management System

[GB/T 45001-2020 / ISO 45001](#)
2018 Occupational Health & Safety Management System

SolaX has also been awarded the SA8000 Management System Certification for an appropriate and effective management system that meets the requirement of Social Accountability Management System Standard.

