
CYBERSECURITY, ENERGY INTEGRATION & RESILIENCE AT GOODWE



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INTRODUCTION

GoodWe operate at the intersection of two historic transformations: The global energy transition from fossil fuel to renewable energy sources, and the integration of power generation, energy storage, grid operation and load control, utilizing machine learning and artificial intelligence (AI). These developments come with many opportunities but also carry risks on topics like cybersecurity, sustainability, supply chains and operations. This document was created to give stakeholders in Europe an overview of how GoodWe is approaching these risks and builds resilience against them.

GoodWe has established a wide network in Europe with 11 sales and service centers in the region, multiple warehouse and fulfillment centers and a growing number of experts for pre- and after-sales services.

Today, energy storage is as important as the company's inverter portfolio, with "PV + Storage" as the new default for most installations. GoodWe's building integrated PV (BIPV) products allow the transformation of any building or structure into a power generator. The domestic EPC business lays the foundation for the expansion and deep understanding of PV in the power grid while the company's heat pumps and EV-chargers integrate the heat and mobility sector into the power system. The foundation of the company's strategy is to connect these systems to an

To successfully overcome the challenges of a transforming energy system, GoodWe has:

- ✓ Embedded cybersecurity by design across products and digital platforms
- ✓ Implemented international standards and received certifications supporting regulatory readiness
- ✓ Built strong ESG governance and third-party validation
- ✓ Strengthened operational resilience in Europe through local teams, regional warehousing, and after-sales support



1 COMPANY OVERVIEW



GoodWe Headquarters in Suzhou, China

GoodWe Technologies Co., Ltd. is a publicly listed energy technology company (Shanghai Stock Exchange STAR Market, 688390.SH) specializing in solar PV inverters, energy storage systems, and smart energy solutions.

With a global footprint, the company operates **manufacturing facilities in China and Vietnam** and supports the European market through localized operations and service capabilities, serving customers across EU countries.

Established in 2010, GoodWe initially focused on the innovation, production and global distribution of residential on-grid PV string inverters, progressively expanding into hybrid solutions, and later covering a broader range of energy scenarios with commercial & industrial (C&I), and utility-scale applications. From 2020, the company gradually moved into new territory, expanding the product portfolio and adding entire business units with the goal to offer a comprehensive solution for the energy needs of the future.

GoodWe offers an extensive portfolio of products and solutions for residential, commercial and industrial (C&I), and utility-scale applications, delivering efficiency, safety, and long-term reliability. GoodWe has around 6,000 employees worldwide, including more than 1,000 R&D specialists dedicated to innovation. The company was recognized as the Global Top 3 hybrid inverter supplier by Wood Mackenzie in 2021. In 2025, GoodWe was named as a **Global Tier 1 Power Inverter Manufacturer** by BloombergNEF (BNEF) and awarded a **Gold Medal by EcoVadis** for its sustainability performance.



2 CYBERSECURITY & DIGITAL RESILIENCE



Cybersecurity is integrated into GoodWe's product design, development, and lifecycle management processes as a core element of product quality and reliability.

In particular, GoodWe:

- Applies **Security by Design and Security by Default** principles during product development;
- Maintains **vulnerability management and security maintenance** processes covering the full product lifecycle;
- Maintains **information security incident response and management frameworks** to address potential cybersecurity and information security incidents;
- Continuously enhances governance and internal processes to strengthen cybersecurity and digital resilience at both **product and operational levels**.

These practices are designed to support customer requirements related to product cybersecurity, system stability, and business continuity within the EU market.

3 STANDARDS, CERTIFICATIONS & REGULATORY READINESS

GoodWe strengthens its governance in information security, data protection, and service management through the adoption and continuous maintenance of internationally recognized management system certifications.

The company has obtained the following certifications:

- **ISO/IEC 27001:2022** – Information Security Management System (ISMS), ensuring the confidentiality, integrity, and availability of information and data;
- **ISO/IEC 27701:2019** – Privacy Information Management System (PIMS), as a critical extension of ISO/IEC 27001, providing a structured framework for managing and protecting personally identifiable information (PII) and supporting alignment with global privacy regulations, including the EU General Data Protection Regulation (GDPR);
- **ISO/IEC 20000-1:2018** – IT Service Management System (ITSM), specifying requirements for establishing, implementing, maintaining, and continually improving IT service management processes, with a focus on service quality, standardization, and continuous improvement.

These certifications cover GoodWe's information systems, digital platforms, infrastructure, personnel, and relevant third-party management processes, providing a structured foundation for cybersecurity, data protection, and reliable service delivery.

In parallel, for product cybersecurity, GoodWe references internationally recognized industrial cybersecurity standards, including **IEC 62443-4-1** and **IEC 62443-4-2**, to support cybersecurity capability assessment for industrial products and to serve as an important technical reference for alignment with the requirements introduced by the EU **Cyber Resilience Act (CRA)**. The reporting obligations of the **CRA** will go into force in September 2026 and apply to deployed products, while technical obligations are in force from December 2027 for new devices.

GoodWe is implementing the European Union's NIS2 Directive, which aims to strengthen network and information system security throughout the EU, ensuring improved cyber resilience and incident response capabilities across all Member States.

Mid 2025, GoodWe upgraded wireless devices sold in the European Union to meet requirements of the **European Union's Radio Equipment Directive (RED)** (2014/53/EU). Products will strictly follow the **EN 18031:2024** standard and obtain **CE-RED** certification.

4 ESG & SUSTAINABILITY



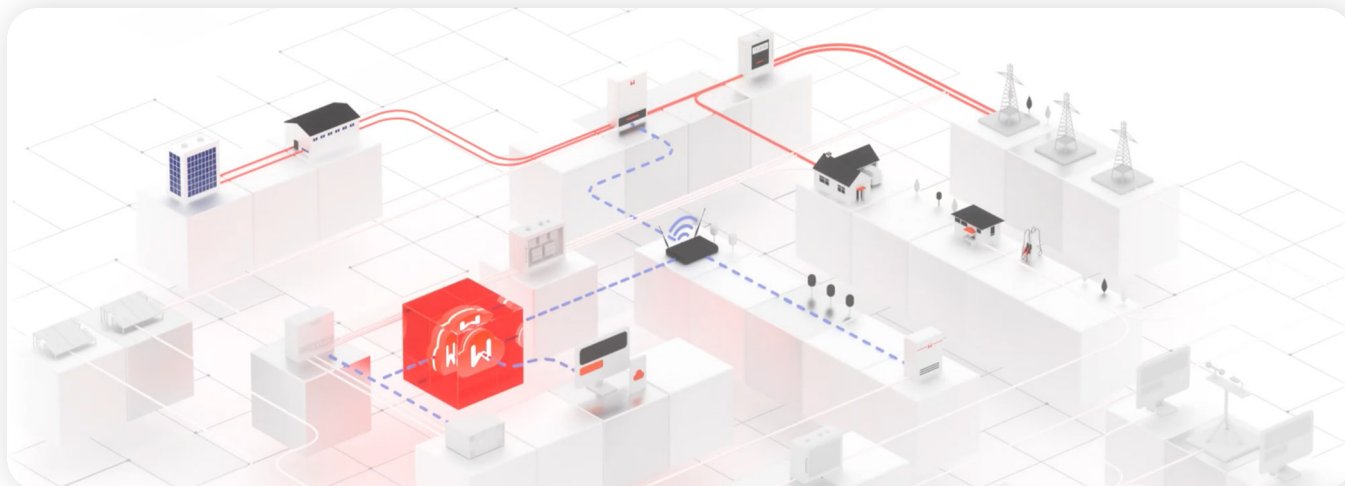
GoodWe consider **Environmental, Social and Governance (ESG)** principles to be a fundamental pillar of its long-term development and global operations and continues to enhance ESG-related governance and assessment frameworks.

In this context, GoodWe:

- Has established an **ESG Strategy and Management Committee** at corporate governance level and builds upon the **GoodWe Sustainable Development and Research Institute**, the company's dedicated department for sustainability, to systematically integrate ESG considerations into strategic and management decision-making.
- Continues to strengthen ESG-related disclosure and internal assessment practices. In 2025, the company improved its **CDP score to B** and, following four consecutive years of sustainability reporting, introduced independent third-party assurance in its latest sustainability report.
- Participate in **independent third-party ESG assessments** to support customer requirements related to supply chain due diligence, compliance, and sustainability.

Most recently, GoodWe have been awarded the **EcoVadis Gold Medal**, based on a comprehensive evaluation across areas including environment, labor and human rights, ethics, and sustainable procurement. This recognition reflects the company's continuous efforts to enhance its ESG management practices and performance.

5 SUPPLY CHAIN AND PROCUREMENT



GoodWe place great emphasis on **supply chain security** and actively focuses on the **sustainability management** of its supply chain. The Company strictly complies with laws and regulations, such as the Bidding Law of the People's Republic of China, ensuring that all supply chain links meet national and industry safety and compliance requirements. The Company ensures fairness, transparency, and integrity in the selection, cooperation, and management of suppliers.

5.1 Governance

The Company clearly defines the responsibilities and management processes of the Procurement Center and its subordinate departments, including the Supplier Development Department, Material Supply Department, Supply Chain Management Department, and Supply Chain Quality Department.

The Company has established **internal regulations** such as the Procurement Contract Control Procedures, Supplier Control Procedures, Management Regulations on Supplier Performance, Supplier Quality Management Manual, Supplier Social Responsibility Management Regulations, and Conflict Minerals Control Management Measures, effectively managing various stages of the supply chain and improving supply chain transparency, compliance, and sustainability.

5.2 Strategy

The Company regards supply chain management as a **critical component** of its sustainability strategy. It continually optimizes the **supply chain management system**, incorporating safety, stability, and sustainability factors throughout the supplier lifecycle management. The Company actively identifies challenges related to supply chain security and stability, explores new opportunities in sustainability, and strives to ensure business continuity and compliance while promoting the overall sustainable growth and value creation of the supply chain.

5.3 Impact, Risk and Opportunity Management

The Company conducts **strict reviews and on-site assessments** before introducing new suppliers to identify potential risks. Through multi-departmental collaboration and regular assessments, the Company quantifies risks related to suppliers' technology, quality, and costs, while seeking opportunities for optimization. The Company also continues to improve supply chain efficiency and shares risks and opportunities, ensuring the **long-term sustainability of the supply chain**.

5.4 Supply Chain Security and Resilience

The Company has developed the **annual audit plan of key suppliers** and established a systematic, multi-dimensional management system for supplier assessments, covering four core modules: quality, procurement, R&D, and finance. A **strict scoring mechanism** and audit conclusions are applied to ensure suppliers' overall capabilities meet the Company's requirements. Suppliers are required to pass **ISO 9001 Quality Management System certification**. Thus, the Company standardizes incoming material inspections and defect handling processes, and assesses suppliers' capacity matching, material resources, and on-time delivery strategies. Additionally, the Company conducts annual reviews and assessments of suppliers based on financial risks, QSA system documentation, QPA process control, pricing/order contracts, collaboration, capacity, and technical/equipment capabilities. Suppliers failing to meet the standards or failing to improve after guidance may have their supply qualification cancelled. Thus, the security and stability of the supply chain can be ensured.

5.5 Sustainable Procurement

The Company requires suppliers to sign the Code of Conduct for Suppliers and regularly assesses risks in the supply chain related to the environment, society, and corporate governance to prevent or mitigate any negative impact of the supply chain on the Company.

Environmental:

- Suppliers are required to obtain ISO 14001 Environmental Management System certification and establish management documents on controlling hazardous chemicals and substances.
- Suppliers must establish environmental-related indicators and goals and implement them at the relevant functional levels.
- Suppliers are required to establish and implement RoHS and REACH management systems and measures and pass relevant certifications and tests.
- The Company conducts environmental violation record investigations of key suppliers through the Public Environmental Research Center (IPE).

Social:

- Suppliers must ensure that their employees and workplaces are free from harassment, illegal discrimination, and retaliation, and must never employ child labor or engage in forced labor under any circumstances
- Suppliers are required to regularly monitor their suppliers' ESG performance and adherence to the code of conduct for suppliers.
- Suppliers must design a dedicated due diligence system to track and monitor human rights and environmental risks related to the extraction, transportation, and use of all raw materials.

• Corporate Governance:

- Suppliers must sign the Anti-commercial Bribery and Integrity Agreement and acknowledge and comply with the Company's anti-corruption policies.
- Suppliers are required to avoid conflicts of interest in their cooperation with the Company and ensure transparency and trustworthiness in business relationships.

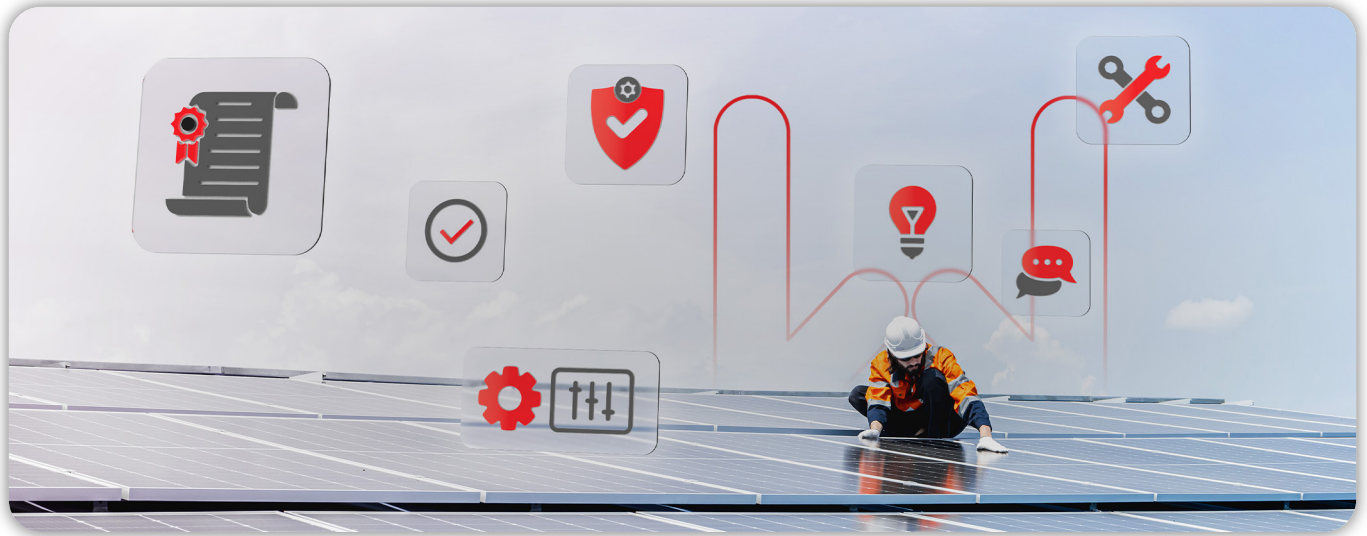
During the supplier social responsibility audit process, if any zero-tolerance issues are identified, GoodWe has the right to terminate the cooperation or suspend the supplier onboarding process until the necessary corrective actions are completed and confirmed by the Company.

■ 5.6 Conflict Mineral Management

While the Company does not directly procure or use raw minerals, certain materials and components essential to production, such as capacitors, chips, and PCBA, contain 3TG (tin, tantalum, tungsten, and gold). The Company is committed to responsible mineral sourcing, establishing and improving due diligence and management procedures, and working to ensure that all materials used in products come from responsible supply channels that consider social and environmental impacts.

The Company requires suppliers to sign the **Letter of Commitment to Non-Use of Conflict Minerals** and submit the **Conflict Minerals Reporting Template (CMRT)** to track and monitor human rights and environmental risks related to the extraction, transportation, and use of raw materials.

6 OPERATIONS AND SUPPORT



In 2018 GoodWe established their **European Headquarters in Munich, Germany**, and has since then continuously built out their presence across EU markets. Today, the company is offering effective service and support through **11 sales and service centers** in the region. With dedicated experts for pre- and after-sales services, local repair centers as well as education and training for our partners, GoodWe provides essential, **fast and reliable support throughout Europe**. Additionally, the local team maintains a direct line with GoodWe's R&D department to provide answers and solutions when it matters most.

In parallel, GoodWe has strengthened its **operational resilience in Europe** by expanding its regional warehousing and fulfilment capabilities. While products are manufactured under GoodWe's global production strategy, a growing share of European customer orders is fulfilled from **regional European buffer stock**, supporting shorter lead times, improved delivery reliability, and greater flexibility for project execution.

At present, European shipments are primarily fulfilled through GoodWe's warehouse network in the **Netherlands and Germany**, with a dedicated warehouse in **the United Kingdom** already in operation. Additional warehouse locations in **Italy and Poland** are under preparation, subject to logistics partner selection. This regional fulfilment model enhances supply continuity and responsiveness, particularly for project-based delivery schedules and post-sales replacement needs.

Continuous growth drives improvements and expands local capabilities to serve changing market trends, a growing product portfolio and the expectations of customers.

- GoodWe offers the following services in Europe:
- Comprehensive pre-sales support to ensure smooth project planning and system integration for solar professionals, including technical consultations, product selection guidance, system design support as well as professional training to installers and partners
- After-sales support with a focus on fast issue resolution through a ticket-based system. The first-level support offers phone and online contact for troubleshooting and fast problem solving. Second-level support is provided by GoodWe product experts in more than 12 languages. Third level support is provided by specialized engineers, located in key markets with R&D backup. Additionally, the company offers dedicated after-sales Support to C&I and utility customers.
- Supply of spare parts and accessories for over 60 product variations through our authorized distributor with online shop.
- Two repair centers in Europe provide service for inverters and batteries. The repair center ensures that older product generations can be fully serviced and stay in operation as long as possible. Product experts conduct regular training courses for the service technicians to further improve capabilities and repair portfolio.
- GoodWe+ Installer Loyalty Program for Europe with thousands of qualified installers across Europe.
- As a leading supplier of complete utility-scale PV solutions for string inverters, loggers and transformer stations, GoodWe actively support their partners during the commissioning phase of the project. The commissioning support closely collaborates with EPC contractors, IPPs, and O&M providers. We help streamline the commissioning process and optimize system performance from day one.

7 DISCLAIMER STATEMENT

This statement is provided to support customer understanding of GoodWe's overall capabilities in cybersecurity, regulatory readiness, and ESG.

It does not constitute a legally binding commitment to specific regulatory provisions. Applicability and compliance obligations will be determined based on final regulatory requirements and legal review.

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