



MANUFACTURING FACILITY

Project Highlights

- **Project Name:** Manufacturing Facility
- **Project Type:** Industrial Solar I Ground Mount System
- **Project Location:** Northwest, USA
- **Project Size:** 1.26 MW DC
- **Project Commissioning Date:** March 2023
- **PV Module Supplier:** Boviet Solar
- **Project Developer / Installer:** Centrica Business Solutions
- **Project Owner:** Manufacturing facility owner

Project Overview

This 1.26 MW DC rooftop solar system was installed at a manufacturing facility in the Northwestern United States. Developed and constructed by Centrica Business Solutions, powered by Boviet Solar's high-performance PV modules, and owned by the facility's operator, the grid-tied system supplies renewable electricity directly to production operations.

The project delivers significant benefits across economic, social, and environmental dimensions. Economically, it offsets a large portion of the facility's annual electricity consumption, lowering utility expenses, stabilizing long-term energy costs, and improving competitiveness. Socially, it reflects the company's leadership in adopting renewable energy, supports local clean-energy jobs through Centrica's deployment, and demonstrates the role of manufacturers in driving sustainability across U.S. industry. Environmentally, the system generates approximately 1.64 GWh of clean electricity annually, avoiding roughly 690 metric tons of CO₂ emissions per year. This impact is equivalent to planting about 11,000 trees, saving around 28 million gallons of water, or eliminating nearly 730 short tons of coal. Over a 25+ year lifespan, the system will prevent more than 17,000 metric tons of CO₂ emissions, significantly reducing the facility's long-term carbon footprint while contributing to national clean energy and climate goals.

Economic Benefits

The manufacturing facility's solar system produces approximately 1.64 GWh annually, directly offsetting high on-site energy demand from production operations. This translates into substantial reductions in utility expenses, predictable long-term energy costs, and protection from utility rate volatility. Over its lifetime, the project strengthens financial resiliency and allows the company to reinvest savings into core business growth, innovation, and workforce development.

Social Benefits

The project reflects the manufacturer's commitment to sustainability and corporate responsibility. Developed by Centrica Business Solutions, the system supported local clean-energy jobs and showcased the value of renewable adoption in heavy industry. By integrating solar power into its operations, the facility demonstrates leadership within the U.S. manufacturing sector and provides a replicable model for other industrial companies to follow, strengthening community and industry engagement around sustainability.

Environmental Benefits (Estimated)

By generating approximately 1.64 GWh of clean electricity annually, the solar system avoids about 690 metric tons of CO₂ emissions each year. This is equivalent to planting over 11,000 trees, saving nearly 28 million gallons of water, or eliminating more than 730 short tons of coal. Over its 25+ year operational life, the system will prevent more than 17,000 metric tons of CO₂ emissions, equivalent to permanently removing roughly 3,600 gasoline-powered cars from the road. The project reduces the facility's environmental footprint, improves local air quality, and contributes to U.S. clean energy and climate goals.

BOVIET SOLAR

Boviet Solar Technology Co., Ltd. is a leading solar technology company founded in 2013 in Vietnam, specializing in the manufacturing of high-performance monocrystalline PV cells and premium Gamma Series™ monofacial and Vega Series™ bifacial PV modules. Our top-performing modules are engineered for a wide range of applications, including residential, commercial, industrial, community, and utility-scale solar projects.

Boviet Solar combines business acumen, financial strength, technological expertise, and manufacturing excellence to deliver reliable, high-efficiency solar solutions to industry clients worldwide. The company is deeply committed to sustainability, supply chain traceability, and compliance with international trade standards, while fostering long-term, trust-based partnerships across the global energy sector. Boviet Solar has earned industry-wide recognition for quality and reliability. The company has maintained a Tier 1 PV Module Manufacturer ranking by Bloomberg New Energy Finance (BNEF) since 2017, has been recognized as one of the Top 10 Most Bankable Global PV Module Manufacturers by Wood Mackenzie, and is ranked among the Top 10 Most Financially Reliable PV Module Manufacturers by Sinovoltaics. Boviet Solar's modules have also been consistently rated as Top Performers in Kiwa PVEL's PV Module Reliability Scorecard since 2019.

Headquartered in Vietnam, Boviet Solar operates manufacturing facilities in both Vietnam and the United States, with an annual production capacity of 3.0 GW for PV cells and modules. The company also maintains regional operations in the United States, Germany, and other key international markets. To learn more, visit www.bovietsolar.com.