An Inox Solar Americas Company

DOROTHY J MARTINEZ ELEMENTARY SCHOOL

Project Highlights

- Project Name: Dorothy J. Martinez Elementary School
- Project Type: K-12 Education Solar I Rooftop System
- Project Location: Little Elm, Texas, USA
- Project Size: 380.48 kW DC
- Project Completion Date: June 2023
- PV Module Supplier: Boviet Solar
- Project Installer: Axium Solar
- Project Owner: Little Elm Independent School District

Little Elm Independent School District

The Little Elm Independent School District (LEISD) serves one of the fastest-growing communities in the Dallas–Fort Worth metroplex, educating thousands of students across multiple campuses. The district is deeply committed to academic excellence, fiscal responsibility, and environmental sustainability. Through strategic investments in renewable energy, LEISD is reducing operational costs while providing hands-on STEM learning opportunities for students and advancing sustainability goals for the entire community.

Project Overview

The Dorothy J. Martinez Elementary School Solar Project is a 380.48 kW DC rooftop solar installation designed and built by Axium Solar using Boviet Solar's top-performing PV modules. The system supplies clean, reliable electricity directly to the school's facilities, offsetting a substantial portion of the building's energy consumption and reducing utility costs for the district.

Generating approximately 565 MWh (565,000 kWh) of renewable power annually, the project enhances budget stability, supports educational sustainability programs, and demonstrates the district's leadership in clean-energy adoption. Economically, it provides long-term savings and energy-price predictability. Socially, it strengthens community pride and enriches student learning through real-time solar-monitoring tools. Environmentally, it prevents about 225 metric tons of CO_2 emissions per year, equivalent to planting 10,300 trees, saving 80,000 gallons of water, or eliminating 240 short tons of coal annually.

Economic Benefits

Producing around 565 MWh of renewable electricity each year, the rooftop solar system offsets a significant share of the campus' energy demand, reducing electricity costs and shielding LEISD from future rate increases. The project was delivered by Axium Solar, supporting local engineering and electrical trades throughout construction. Over its 25-year lifespan, the installation will generate millions of kilowatt-hours of clean power and deliver strong ROI through long-term energy savings.

Social Benefits

This project showcases the district's commitment to education, sustainability, and community engagement. The installation provides an interactive platform for students to learn about solar energy, climate change, and engineering principles, linking STEM education with real-world renewable applications. The project also demonstrates LEISD's leadership in environmental responsibility and supports regional workforce development within Texas's clean-energy industry.

Environmental Benefits (Estimated)

By generating approximately 565 MWh of clean energy annually, the system avoids roughly 225 metric tons of CO_2 emissions each year, equivalent to planting 10,300 trees, saving 80,000 gallons of water, or eliminating 240 short tons of coal. Over its 25-year lifetime, the system will prevent more than 5,600 metric tons of CO_2, supporting Texas's renewable-energy targets and creating a cleaner learning environment for students.

BOVIET SOLAR

Boviet Solar, an Inox Solar Americas company, is a solar energy technology and manufacturing company focused on delivering high-performance photovoltaic (PV) modules for the U.S. market. Its portfolio includes Gamma Series™ monofacial and Vega Series™ bifacial PV modules, designed for utility-scale, community solar, commercial, and industrial (C&I), and residential applications, with a focus on reliability, efficiency, and long-term performance.

The company operates a state-of-the-art manufacturing facility in Greenville, North Carolina, with approximately 3.0 GW of annual production capacity. This U.S.-based production supports localized supply, efficient logistics, and alignment with project timelines and market requirements.

As part of Inox Solar Americas, Boviet Solar benefits from enhanced financial backing and integration within a broader renewable energy platform under Inox Clean Energy and the INOXGFL Group. This strengthens its ability to support compliant, financeable, and scalable solar projects while maintaining consistent execution and product performance.

Boviet Solar works closely with developers, EPCs, and asset owners to deliver projects on time and support long-term performance. The company remains committed to advancing clean energy by providing dependable solutions that enable customers to build and operate projects with confidence.

To learn more, please visit www.bovietsolar.com, www.inoxclean.com, www.inoxgfl.com