



## CASE STUDY

# MOUNT SAINT JOHN DAYTON, OHIO



## ABOUT US

Melink Solar designs and installs solar ground mounts, roof mounts, and parking canopies for commercial facilities across the United States. As a Solar EPC (Engineering, Procurement, Construction) firm, we help facilities in the journey to achieve Net-Zero Energy with a seamless customer experience.

## KEY POINTS

- 850 kW-DC, 625 kW-AC Fixed Tilt Ground Mount
- 1,920 panels (445 Watt) manufactured locally by Toledo-based First Solar
- \$3,000,000 savings over 30-year lifespan
- 1.1 million kWh of energy per year, making the campus net zero on an annual basis

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## STRIVING FOR SUSTAINABILITY

Mount Saint John is deeply committed to its sustainability journey. The Marianist community wanted to achieve Net Zero Energy, which means their solar array will produce 100% of the electricity needed on an annual basis.

On June 9, 2023, the solar array sprang to life. The system produces more energy than MSJ needs during the day, so the electricity goes back to the grid as a credit for night time and cloudy days when grid power is needed.

## SOLAR SOLUTIONS

Mount Saint John's solar array is not merely a collection of panels; it's a beacon of solar energy innovation. Encompassing 3 acres of campus landscape and boasting an impressive assembly of 1,920 locally manufactured 445 Watt panels, this energy system is a game-changer. With the capacity to generate an astonishing 1.1 million kWh of energy annually, it isn't just fulfilling the campus's energy needs; it's exceeding them. The surplus electricity is thoughtfully credited back to the grid, thanks to net metering, ensuring an eco-friendly equilibrium.

## RESULT

The results achieved by Mount Saint John through the activation of their solar array are nothing short of remarkable. In a mere 13 days, this system churned out over 35,000 kWh of electricity, demonstrating its exceptional performance. This energy surplus has transformed the campus into a net-zero energy consumer, marking a momentous step in environmental conservation. Mount Saint John's commitment to sustainability and their impressive accomplishments underscore the institution's unwavering dedication to creating a cleaner, greener, and more sustainable future.

## CONTACT

Jeff Bohrer, Director of MSJ Facilities, spearheaded this project and featured the Solar Array on their website. You can view real time production data, photos, videos, and even a Blessing of the Array at the site: <https://sites.google.com/site/mountsaintjohn//home/new-solar-array>