



CUSTOMER CASE STUDY

Pioneering Fail-Safe Energy Storage Systems

Green Light for Viridi's Backup Traffic Power System

faveo provides continuous power to town of Lancaster's traffic system

The Town of Lancaster in New York partnered with Viridi to be *the FIRST municipality in North America to convert its traffic signals over to battery back-up and IoT management*. The program ensures that 8 of Lancaster's busiest intersections maintain a resilient, uninterrupted supply of power.

CHALLENGE

Transportation is a significant contributor to carbon emissions, and communities need to maintain smooth traffic flow even during power outages. Severe weather events and grid challenges can cause interruptions, leading to traffic accidents and delays.

SOLUTION

The faveo system is a roadway intersection backup power system that uses fail-safe lithium-ion battery technology and IIoT functionality. During an interruption, the system instantaneously powers up, allowing traffic lights, police cameras, and other critical intersection technology to continue operating. This system ensures that emergency personnel can provide essential public safety services without having to manually direct traffic.

RESULT

The **faveo Intelligent Traffic System** provides a finely tuned traffic management system that is essential for creating safer, healthier communities.

FOR MORE INFORMATION

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8 faveo ITS Cabinet backup systems were installed then securely activated by the town highway superintendent at intersections around town.

INDUSTRY

Intelligent Traffic Management

LOCATION

Town of Lancaster
Buffalo, N.Y.

IMPLEMENTATION

- 8 faveo systems installed at the town's busiest intersections
- Instantaneous backup in .02 seconds
- Remote monitoring and full telematics to support data sharing and alerts



Viridi's battery system is rigorously tested, safety-approved, and American-made.