

# CAPABILITIES



## Energy Management Systems

Take Control of Your Facility

### ABOUT EMS

In today's industrial landscape, effective energy management is crucial for your operational efficiency, environmental sustainability, and financial health. As energy costs continue to rise and global awareness of environmental issues grows, it's essential for companies like yours to seek ways to reduce energy consumption and carbon footprint. At InflexionPoint, our energy management services are tailored to meet these challenges, offering a comprehensive suite of solutions that not only help in cutting down energy usage but also in enhancing your overall business performance.

By partnering with us, you can achieve significant cost savings, minimize your environmental impact, and gain a competitive edge in the marketplace. Moreover, our services also focus on enhancing the reliability and resilience of your operations, ensuring that your production remains uninterrupted even during times of energy scarcity. With our expertise in energy cost analysis, optimization, metering, and monitoring, you can confidently navigate the complexities of energy management and pave the way for a more sustainable and profitable future.



#### Cost EFFICIENCY

Lower your utility bills and improve your bottom line through energy consumption reduction.



#### Green IMPACT

Minimize your carbon footprint and environmental impact with sustainable practices.



#### Market EDGE

Attract eco-conscious customers and secure incentives with energy-efficient practices.



#### Operational STABILITY

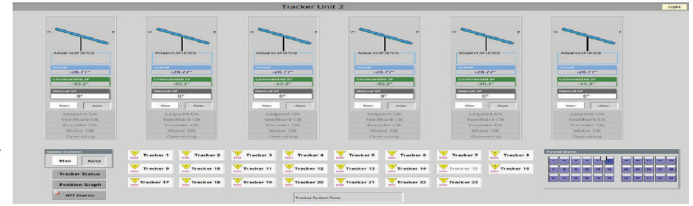
Ensure uninterrupted production and enhance operational resilience by mitigating energy-related risks.



## SUCCESSFUL DEPLOYMENTS

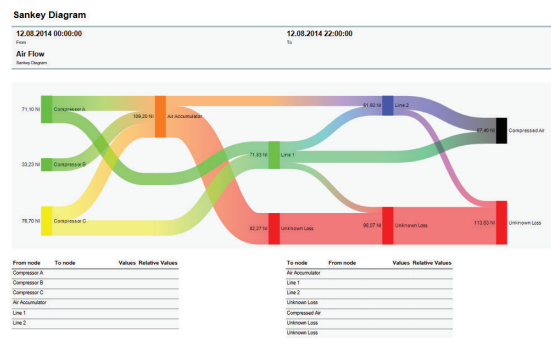
### Renewable Energy Company

This project focused on a renewable energy company's PV Farm, consisting of 33 power blocks with a total capacity of 100 MW. The goal was to collect and display operational data from various site equipment, including inverters, MET towers, RTAC, and trackers. An industrial HMI/SCADA platform was employed to interface with the equipment, allowing for visualization, trending, and cloud publishing of the data. The system provided the company with valuable insights into the performance of the PV farm, enabling efficient management and optimization of renewable energy production.



### Ivy League University

This project aimed to enhance energy conservation efforts at an Ivy-League University by implementing a comprehensive energy management system across 15 buildings. The system was designed to collect and monitor utility consumption data, including power, steam, chilled water, and domestic water, for each building. A web-based visualization platform, featuring a clickable map and a dashboard with real-time monitoring, was developed to provide the Facilities staff with live data for informed decision-making. Additionally, the system generated monthly utility "bills" based on actual usage for each building, aiding in financial reconciliation and identifying opportunities for energy efficiency improvements. The project successfully contributed to the University's goals of reducing its carbon footprint and promoting sustainable practices through continuous monitoring and optimization tools.



### Life Science Company

The project for the Life Science Company aimed to implement a power and utility monitoring system to track the consumption of power, natural gas, fuel oil, water, and wastewater. The system monitored key electrical equipment, such as transformers, feeders, generators, and bus ties, providing comprehensive reports and dashboards. These tools offered summaries of power, power factor, current, voltage, and totalization, as well as detailed insights into power consumption by bus and feeder. The project enabled the company to better understand and manage its energy usage, contributing to cost savings and improved operational efficiency.