



# Maximizing Lifetime Power Plant Value

Turnkey SCADA & Plant Controls for Utility-Scale Solar

PV+BESS SCADA • PLANT CONTROLS • PLANT PERFORMANCE • MET STATIONS • IT & CYBERSECURITY

**With in-depth experience on over 4 GW of utility-scale solar projects, Terabase Energy SCADA operates with a high degree of reliability throughout its project life. We carry out seamless execution during installation while providing a robust, scalable and forward-looking architecture that grows with your portfolio.**

Our SCADA platform features standardized hardware and software that has been refined and proven over millions of operational hours to maximize revenue, optimize asset life, and ensure peak performance.

Our SCADA is engineered to be compatible with all the most common major components suppliers (modules, inverters, batteries, etc.) and to meet regional grid requirements right "out-of-the-box", ensuring projects are executed correctly and on schedule, avoiding re-works and delays. Simultaneously, our open architecture enables easy integration with third-party systems, allowing for seamless customization to meet specific project needs.

By partnering with Terabase Energy, you're investing in a comprehensive solution that minimizes operational challenges, reduces project risk, and maximizes the full potential of your utility-scale solar investments in the decades ahead.





## Comprehensive SCADA & Plant Control Solutions for Utility-Scale Solar

### PV+BESS SCADA

- SCADA, HMI & Historian Servers
- SCADA Screens/GUI
- Energy Dispatcher
- Data Concentrators
- Protocol Convertors

### Plant Controls

- EMS/BESS Integration
- Power Systems Simulations & Modeling
- Grid Integration & Interconnection
- Active/Reactive Power Control
- Project-Specific Load Flow & Dynamic Models (PSLF, PSS/e, PSCAD)
- Redundancy and Failover Management
- MOD 25, 26 & 27 Compliance
- Readily integrates with third-party EMS

### Plant Performance

- MET Stations
- Data Loggers
- Battery Analytics
- PlantPredict Performance Analytics (Predicted vs Actual)

### IT & Cybersecurity

- Network Devices & Firewalls
- Fiber/Ethernet Switches
- Uninterruptible Power Supply (UPS)
- Data Backups & Disaster Recovery
- Server Virtualization
- Vulnerability Scanning & Remediation
- Next-Gen Anti-Virus
- XDR (Extended Detection & Response)
- MDR (Managed Detection & Response)
- Managed Remote Access

## System Architecture

