

# T1-S Vantage™

## Business Value

- View and trend real-time and historical performance for a device, generation resource, or a portfolio.
- Define, generate and deliver automatic reports.
- Manage site or inverter curtailment, connect/disconnect and manage reactive power levels.
- Receive notification of real-time alerts, alarms, based on criticality and defined thresholds to support system operation and maintenance.
- Asset tracking for O&M support and performance optimization.

## Performance Monitoring, Reporting and Control

T1-S Vantage is the premier monitoring and control interface for photovoltaic (PV) generation management.

T1-S Vantage presents up-to-the-minute data and provides a powerful interface for site-wide control.

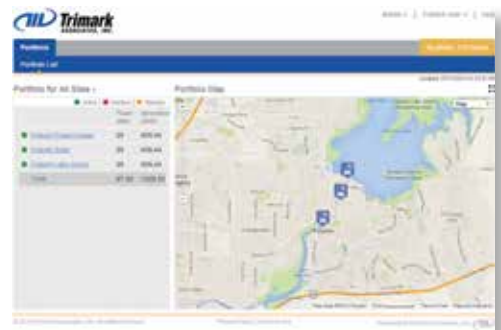
Summary dashboards display key performance data. From there, users can drill down for details on revenue meters, MET stations, turbine controllers, PV inverters, and trackers. Users can also acknowledge alarms and produce reports.

### Hosted or On-site System

T1-S Vantage can be deployed on servers at your site or hosted in Trimark's data center. Hosted solutions support best practices for resiliency, security, and business continuity.

### Configured Your Way

Trimark configures T1-S Vantage to your requirements for monitoring, alarms, reporting and control. We also establish user authorities for content and control.



*T1-S Vantage presents a Portfolio table and map of monitored sites. Users can group resources by geography, size and host utility.*



*T1-S Vantage displays real-time performance information in a web browser or mobile App.*



## T1-S Vantage Features

### Dashboard and Portfolio Views

- Display real-time details about inverters/equipment, resource (site) and portfolio;
- Compare performance of multiple resources;
- Organize portfolio logically (e.g. geography, size);
- Interactive site diagram shows status and alarms.

### Control User Interface

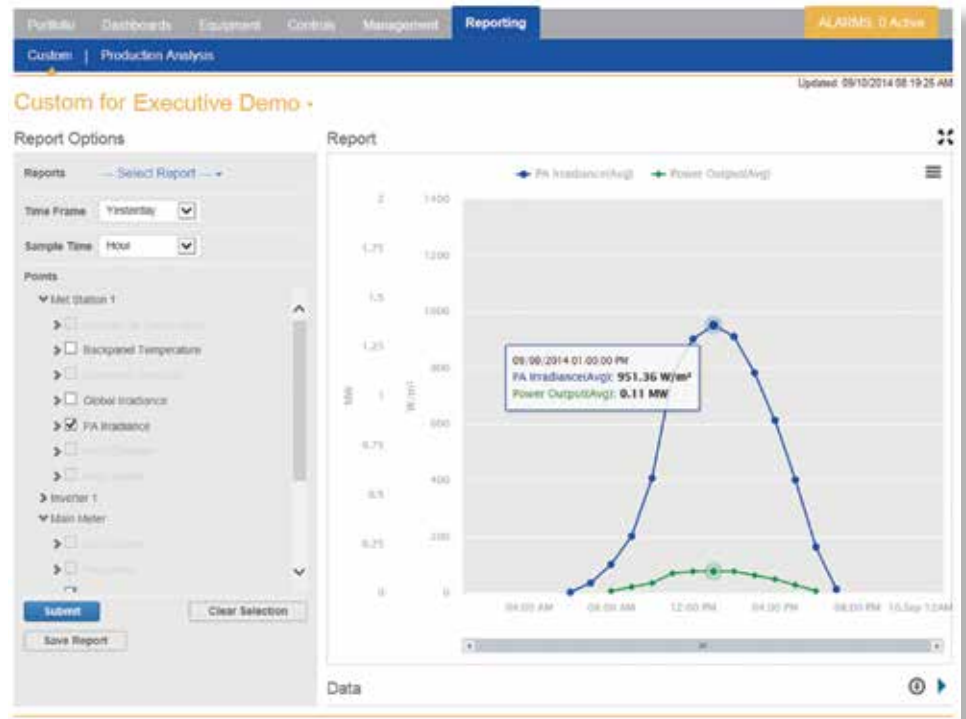
- Submit inverter commands to connect/disconnect; set max power; and set VARs;
- Control energy storage to manage charge/discharge, peak load shifting, etc.;
- Set ramp rate and duration;
- Schedule commands;
- Command feedback window;
- Activity log;
- Local or remote authority;
- Automatically regulate power output at point of delivery.

### Reports and Alarms

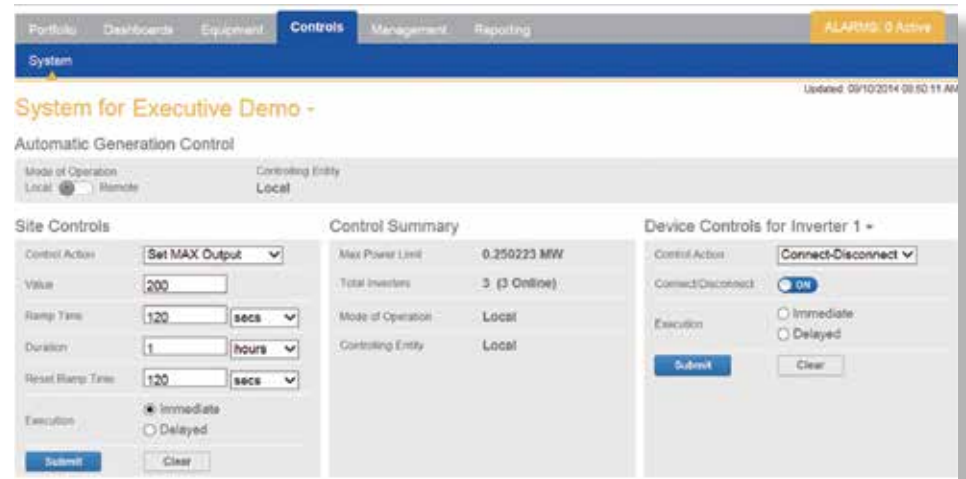
- Query, report and trend current/historical data and alarms over any time period;
- Export reports to Excel®;
- View, sort and acknowledge alarms based on severity, user and time.

### Asset Management

- Assess resource efficiency;
- Document condition;
- Schedule maintenance;
- Document maintenance actions and parts inventory.



*Favorite report selections can be defined and saved. Users can create custom reports to compare any data points over any specified time.*



*Controls features are configured for an inverter or an entire site including multiple inverters from different manufacturers.*



## A Proven Player in the Energy Market

Trimark Associates, Inc. develops reliable, affordable business and operational solutions that support compliance and optimization of power production.

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