

TerraTrak's PeakYield™ software

Leading technology designed for the DG market



Pioneering advanced tracker software for the DG market, PeakYield™ technology is the underlying intelligence behind optimizing the performance of your tracker by maximizing energy production and reducing downtime. Improve production output and hit energy goals with proprietary technology that gives you reliable performance.

Produce more energy



Backtracking

Also sometimes referred to as Astronomical backtracking. This algorithm avoids row to row shading by adjusting modules in the early morning and late afternoon. It assumes a flat site where trackers share the same elevation.

NEW! Peak Production Package



Topography informed backtracking

Our proprietary algorithm can increase production by up to 3%. It incorporates three-dimensional site conditions and neighboring tracker positions to avoid shade. This is ideal for sites with uneven or undulating terrain.



Irradiance optimized tracking

Our proprietary algorithm can increase production by up to 2%. The algorithm uses irradiance forecasts to improve energy capture under diffuse or cloudy conditions. Instead of strictly following the sun path, the system reorients modules upward when diffuse light is more productive. Unlike others, our tracking utilizes cloud-based irradiance forecasting over on-site sensors.

Perform easier O&M



Row level control

View row level performance and control each individual row for easy O&M. This allows you to move individual rows or perform routine maintenance while the rest of your site continues tracking.



Remote access

This allows for faster troubleshooting without rolling a truck on site. The admin panel allows users to see inside the project site, view real-time data, and investigate historical data that often leads to identification of the issue.



Dashboard

Real-time, user-friendly dashboard allows you to view all sites. View all alerts and row-level detail. Through the dashboard, you can view real time issues and historical performance.

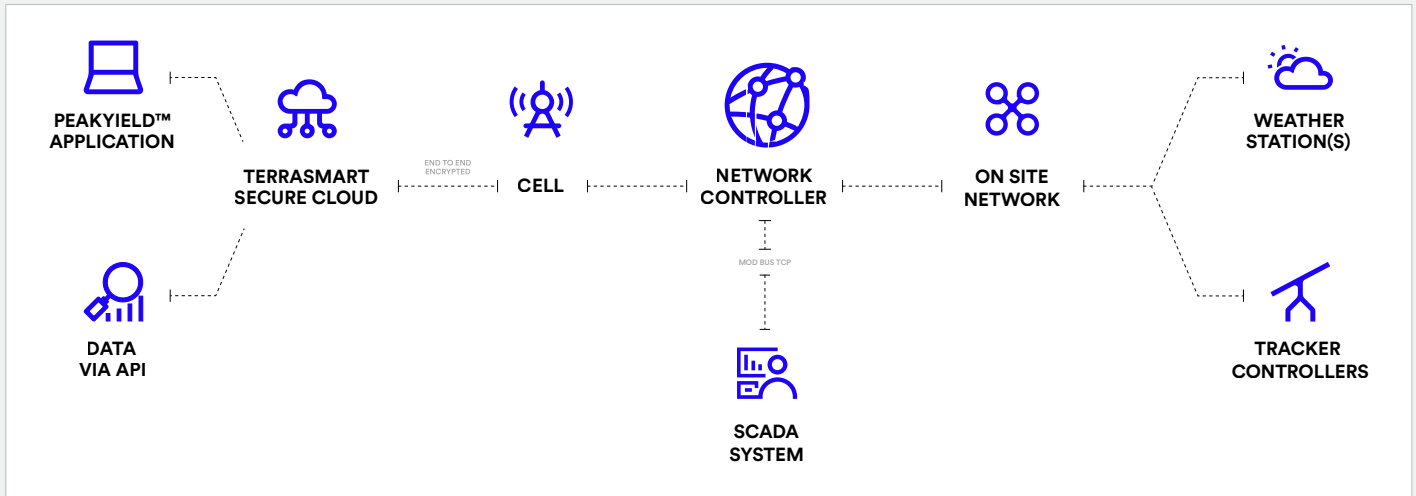


Real time alerts

Notifications via email or SMS push alerts in real time, allowing you to react quickly.

Protect from weather events	
Weather monitoring and stow strategy	
Wind	<ul style="list-style-type: none"> • High-tilt stow • Standard threshold is 30–40 mph (customizable)
Hail	<ul style="list-style-type: none"> • High-tilt stow • Looks for weather forecasts of hail or a severe thunderstorm • For sites at risk of hail, the hail and wind stow strategies will be aligned for optimal protection
Snow	<ul style="list-style-type: none"> • High-tilt stow • Standard threshold is 5”–10” (customizable)
Sensors	Weather forecasting & automatic stow
Wind conditions (speed, gust, direction)	Weather API that predicts bad weather before it approaches. This allows a tracker to go into a weather stow based on forecast or sensors. The tracker will go to stow without requiring human intervention.
Ambient temperature	
Snow depth (optional)	

Tracker network topology



Want to learn more about PeakYield™ technology and see a live demo of our dashboard?
[Contact us](#)