



# NX Navigator

## Advanced Monitoring and Control System for Solar Power Plants

NX Navigator™ is a next-generation smart tracker control system that enables PV power plant owners and authorized operators to monitor and securely control their PV systems. This enhanced control system increases production yield and enables reliable operation across a wide range of weather conditions.

Severe hailstorms can cause significant damage to solar arrays, and asset owners with power plants in hail-prone areas often incur increased insurance premiums as a result. NX Navigator mitigates this risk with its hail-stow feature, which permits a single operator command to rapidly put the entire solar tracker array into a safe 60-degree stow angle to reduce hail impact losses. Tests conducted at the independent Renewable Energy Test Center (RETC) using a calibrated hail cannon, determined that based on historical hail events in the U.S., that the Hail Stow feature in NX Navigator increases the survivability of PV panels from 81.6% to 99.4%, a 30X increase in survivability. RETC Independent Engineer report, “An Evaluation of Solar Panel Durability Improvements attributable to NEXTracker NX Navigator Hail Stow” available under NDA to NEXTracker clients.

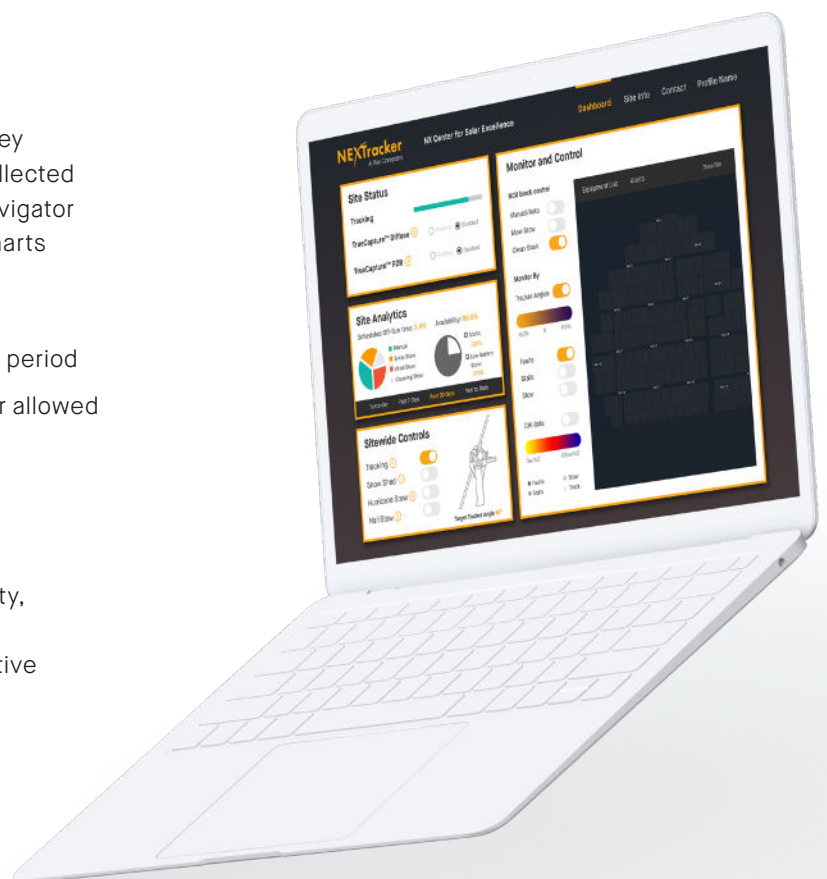
### Next Generation Monitoring System

NX Navigator’s intuitive graphical user interface helps plant managers monitor timely sitewide information of key parameters. Precise array and angular value data are collected at the site, subfield, and individual tracker levels. NX Navigator allows you to easily interpret status and performance charts such as:

- Tracker system availability indicates the percentage of operational or accessible equipment for a chosen time period
- Tracker usage shows how the system was controlled or allowed to operate

### Risk Mitigation Control Features

Multiple risk-mitigation features improve safety, reliability, reduce the cost of ownership and improve feedback on the operability and performance of the system. Preemptive stow features for hurricanes, typhoons, snow shed, and hailstorms through our command prompts are at the fingertips of plant operators.





## Granular Visualization

- Visualize and instantly locate the tracker equipment on a digital site map
- Select and command PV array(s) into various maintenance modes
- Filter and identify various tracker states on the digital map
- Analyze irradiance and tracker angle heat maps

## Security Top of Mind

NX Navigator is hosted on NX Data Hub located on the site network behind the PV plant’s secure firewall. Asset owners are enabled to manage Navigator’s access in compliance with national and local infrastructure security protocols. This system is designed for only “Authorized Personnel” to monitor and control the tracker functionality.

“ NX Navigator is the latest innovation by NEXTracker that we have implemented as a way to add value to several of our solar power plants. ”

–Chris Clevenger, COO, D.E. Shaw Renewable Investments

## Available now

NX Navigator is available to NEXTracker system owners, site operators, and other authorized parties associated with the plant. Ask an NX service team member or sales representative for NX Navigator today: [sales@nextracker.com](mailto:sales@nextracker.com)

	With Data Hub	With TrueCapture Purchase	For Purchase
<b>Live Status</b>	✓	✓	
<b>Storm Defense</b>	✓	✓	
<b>Snow Shed &amp; Hails Safety</b>		✓	✓
<b>System Analytics</b>		✓	✓
<b>Intellegent Maintenance</b>		✓	✓
<b>Predictive Analytics</b>			✓