



# Nextracker's Dashboard for Effortless Solar Farm Control

## WHAT WE DID

Product Definition  
User Experience  
Interaction Design  
Visual Design

## WHAT WE DELIVERED

iPad-First App

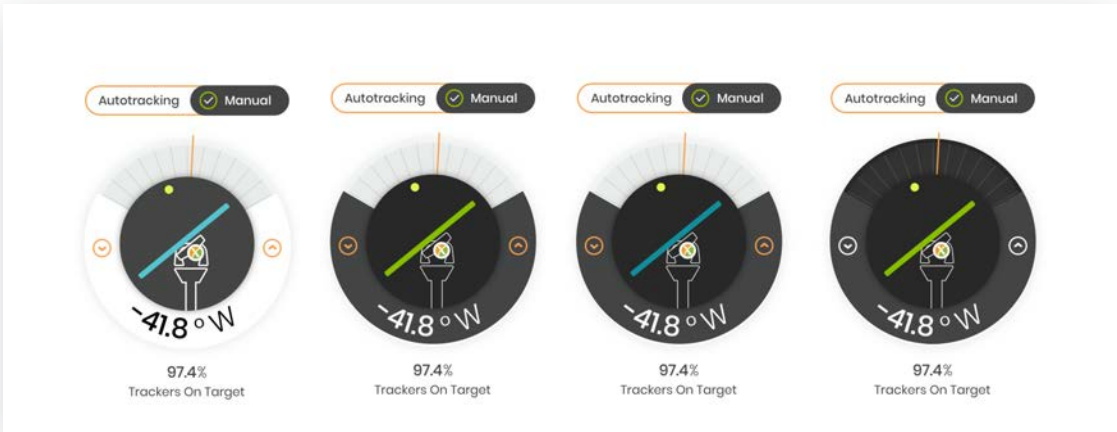
## OVERVIEW

Nextracker is a company that designs and manufactures advanced solar tracking systems for utility-scale solar power plants. We partnered with Nextracker to create a new dashboard interface that allows users to control their solar farms, see various analytics and reports, and perform various diagnostics, making it easy to monitor and control the performance of their solar power plants.



# Functional and Beautiful

Our cutting-edge design allows users to seamlessly control the solar trackers, monitor equipment status, and analyze weather activity, performance, solar stow activity and maintenance activity all in one central location. With this comprehensive view, users can make informed decisions to optimize the performance of their solar farm.



# Functional Data Viz

We designed an interactive visualization tool for real-time monitoring and control of solar tracker angles. It provides a quick and clear overview of the farm performance by displaying sun position, current angle of the tracker, and the percentage of trackers on target. The user-friendly design allows for easy optimization of the solar farm's performance, making it a valuable tool for managers.

Equipment List

2,768

Total Trackers

2,691

Available Trackers

74

Faults

3

Low Battery

Sort By: SPC Show Alerts Hide Alerts

0235	SPCSG20182700351	<a href="#">View On Map</a>	NCU 12	NCUAE20181600386	<a href="#">View On Map</a>	
0237	SPCSG20182700357	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	Tracker Stall 20 minutes ago
0238	SPCSG20182700358	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	Tracker Stall 22 minutes ago
0239	SPCSG20182700351	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	
0240	SPCSG20182700351	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	
0241	SPCSG20182700351	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	
0242	SPCSG20182700351	<a href="#">View On Map</a>	NCU 13	NCUAE20181600386	<a href="#">View On Map</a>	
0244	SPCSG20182700358	<a href="#">View On Map</a>	NCU 14	NCUAE20181600386	<a href="#">View On Map</a>	Battery Over Voltage 22 minutes ago
0245	SPCSG20182700358	<a href="#">View On Map</a>	NCU 14	NCUAE20181600386	<a href="#">View On Map</a>	Low Battery 22 minutes ago
0246	SPCSG20182700358	<a href="#">View On Map</a>	NCU 15	NCUAE20181600386	<a href="#">View On Map</a>	Tracker Stall 22 minutes ago

# Extending and Scaling

After completing the initial design and system, we extended design components and U.I. elements throughout critical screens to achieve a consistent and cohesive experience for our end-users. This approach ensured that the final product was not only functional but also visually pleasing.

## Solar Power Plant A

[View Site Details](#)

July 14, 2021 4:31 PM PST  
Fremont, CA, United States



1°F Wind

Current Tracker State: Wind Stow

Wind Stow enabled at 2:31 PST. Will clear once weather conditions improve.

### Tracker State & Controls



#### Maintenance Modes

Snow Shed [Start](#) [Schedule](#)  
Mowing [Select NCU](#)  
Cleaning [Select NCU](#)

#### Safety Stows

Hail Stow [Off](#)  
Hurricane/Typhoon Stow [Off](#)  
Wind Stow (auto) [Active](#)  
Flood Stow (auto) [Inactive](#)

### Equipment Status

2,768 Total Trackers

99.8% Trackers On Target

#### Available Trackers

[View Map](#)

[View List](#)

2,691

#### Faults

[View Map](#)

[View List](#)

74

#### Low Battery

[View Map](#)

[View List](#)

3

#### Alerts

[View Map](#)

[View List](#)

28

## Analytics

Yesterday

[Past 7 Days](#)

[Past 30 Days](#)

[Past 3 Months](#)

[Custom](#)

Basic

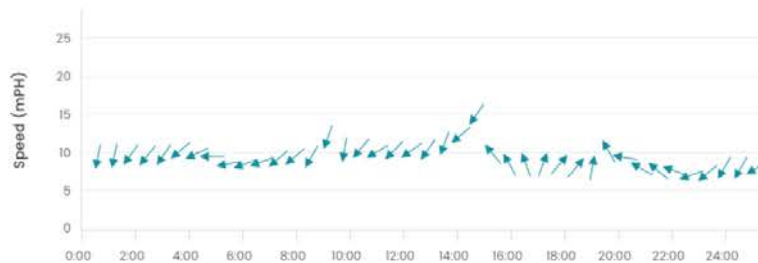
TrueCapture™

### Weather Activity

Wind Speed & Direction

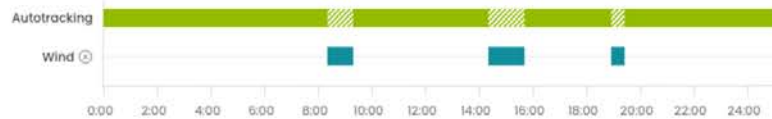
mPH

km/h



### Safety Stow Activity

Select Stows



### Maintenance Activity



### Performance



99.6% of Trackers

were available and on-target with no faults



25 trackers experienced Low Battery issues.  
23 were resolved during this time period.

[Learn more](#)

### Time Spent

