

## Enhancing Engineering Decisions And Part Usage Analysis Of A Global Solar Tracking Company

### ABOUT CLIENT

- A global company, headquartered in the USA, specializing in providing solar tracking systems, technology, and engineering services. It has branches in five other countries.
- The company excels in installing top-of-the-line solar panels while also dedicating efforts to creating innovative devices that help automate the position of solar panels to optimize energy generation.

### PROBLEM STATEMENT

- The company lacked an efficient system to track and monitor the various parts and raw materials used in manufacturing the devices.
- There was limited visibility into the availability and usage of components for particular projects.
- Manual parts management and monitoring were time-consuming and prone to errors, leading to inefficiencies and delays.

### SOLUTIONS

- Our team of engineers developed and implemented a Parts Query Application (PQA) system that offered a centralized platform for tracking and monitoring parts utilized in the process of manufacturing the devices.
- We integrated the application with the company's existing inventory management system to ensure accurate and up-to-date information.
- We designed a user-friendly search and filtering feature that enabled effortless identification of parts and their utilization across various projects.



#### Industry

Renewable energy



#### Products used

Parts Query Application (PQA) system



#### Functionality Enable

Data science



#### Impact

21%

Reduction in time spent on manual parts tracking and management.

11%

Increase in the project completion rate, allowing for better project efficiency.

The Parts Query Application (PQA) streamlined parts tracking across the projects, reducing manual efforts and errors.

The application provided the engineering team with efficient tracking and analysis of parts utilized across different projects.



#### pro tip

Parts Query Application (PQA) system aids the engineering team in tracking parts usage across projects, facilitating part revisions, and avoiding discontinuations.



#### Take the next step

Enable the PQA system, today!