DataToBiz

Empowering Project Strategy And Budget Management With An ECAC Dashboard Solution

ABOUT CLIENT

- A USA-based firm providing solar panel tracking systems, and related engineering services, with international branches in five other countries.
- The company excels in installing solar panels and also creating innovative devices that help automate the position of solar panels to optimize energy generation.

PROBLEM STATEMENT

The supply chain team at FTC Solar encountered several challenges. Firstly, they lacked real-time visibility into the money spent on projects, making it difficult to track and monitor cost status in real time. Additionally, accurate cost estimation proved to be problematic due to the absence of a comprehensive system, leading to budgetary discrepancies and potential financial risks. Furthermore, identifying cost overruns or underruns was challenging without a centralized platform, which in turn delayed necessary corrective actions and impacted project timelines. Lastly, the team's inability to proactively address budgetary issues resulted in reactive measures and potential disruptions to ongoing projects.

SOLUTIONS

Experts at DataToBiz developed a customized ECAC (Estimated Cost at Completion) Dashboard for VPs, master planners, and project planners within the supply chain team to assist them with numerous processes.

Requirements Gathering: Through collaboration with stakeholders, our experts identified key features and functionalities required in the ECAC Dashboard, including real-time cost tracking, budget allocation, variance analysis, and reporting capabilities.

Dashboard Development: We developed an intuitive and interactive dashboard interface using modern web technologies, ensuring a user-friendly experience for project planners.

Data Integration and Analytics: By integrating various systems, we enabled real-time data synchronization and leveraged advanced analytics techniques to calculate and visualize estimated costs at completion based on project progress and budget allocations.

Testing and Deployment: Rigorous testing and involving project planners and stakeholders in user acceptance testing ensured a seamless user experience. The dashboard was deployed on a secure server accessible to authorized users.

Industry
Energy and Resources

Products used
ECAC (Estimated Cost at Completion) Dashboard

Functionality Enable
Data science

Impact

18%
Improvement in the accuracy of cost estimation with real-time visibility into project cost status.

8%
Reduction in budget deviations from early identification of cost overruns or underruns

19%
Increase in on-time and on-budget project deliveries by up-to-date cost information

27%
Reduction in budget-related conflicts and delays through transparent and data-driven communication with stakeholders.

15%
Improvement in overall project profitability by monitoring cost variances and identifying trends.

pro tip
Elevate project strategy and budget management with real-time insights using an ECAC Dashboard for enhanced efficiency.

Take the next step
Maximize project efficiency with real-time ECAC insights, Leverage Today!