

PROVIDING A DATA-DRIVEN SOLUTION TO STREAMLINE MANUFACTURING PROCESSES



Solution Focus: Eyelit MES by Eyelit Technologies

KEY TAKEAWAYS:

- **Tailored Solution:** The Eyelit MES solution provided a data-driven solution to streamline operations effectively.
- **Collaborative Enhancement:** Through collaboration, work was done to pinpoint areas for MES improvement, paving the way for targeted enhancements.
- **Comprehensive Optimization:** Achieved by boosting efficiency and flexibility in the client's production.

PROBLEM:

THE CLIENT ENCOUNTERED A SIGNIFICANT CHALLENGE IN THEIR MANUFACTURING PROCESSES, NECESSITATING A TAILORED AND ROBUST MANUFACTURING EXECUTION SYSTEM (MES) SOLUTION TO EFFECTIVELY DOCUMENT AND REGULATE THEIR OPERATIONS.

THE EXISTING PROCESSES LACKED THE NECESSARY SOPHISTICATION AND ADAPTABILITY TO MEET THE CLIENT'S EVOLVING NEEDS, RESULTING IN INEFFICIENCIES AND DIFFICULTIES IN CONTROLLING THE MANUFACTURING WORKFLOW.

THERE WAS A PRESSING NEED FOR A SOLUTION THAT COULD LEVERAGE DATA-DRIVEN INSIGHTS TO OPTIMIZE PROCESSES, ENHANCE CONTROL MECHANISMS, AND ENSURE SEAMLESS COORDINATION ACROSS VARIOUS MANUFACTURING STAGES.

SOLUTION:

The team at **Eyelit Technologies** engaged with the client to conduct a thorough assessment of their current operation and MES.

The solution aimed to optimize their production methods, providing the necessary tools and functionalities to streamline operations and enhance control mechanisms. By leveraging advanced software capabilities, the client gained the ability to document their manufacturing processes effectively and transition them to a production-ready state for their battery pilot line.

Moreover, the implemented software facilitated the growth and management of the client's manufacturing processes, offering greater efficiency and flexibility in production operations.

RESULT:

The results included the successful delivery of data translation features through **Eyelit MES'** Insights, which were introduced in the early stages of release to production. These features enabled the transformation of data from the clients MES into dynamic and configurable reports.

By implementing **Eyelit MES**, the client gained valuable insights into their manufacturing operations in real time, allowing them to monitor key metrics, analyze performance trends, and make informed decisions promptly. The live and configurable nature of the reports provided flexibility, allowing the client to tailor the visualizations according to their specific requirements and preferences.

Overall, the integration of **Eyelit MES'** Insights marked a significant milestone in the client's journey towards operational excellence, facilitating greater transparency, efficiency, and agility in their production operations.

ABOUT EYELIT TECHNOLOGIES

Eyelit Technologies is the parent company for Eyelit, MESTEC, and Optessa who are leaders in Manufacturing Execution (MES), Advanced Planning and Scheduling (APS), Manufacturing Operations (MOM), Quality Management (QMS) and Factory Automation solutions. The Company is headquartered in Holmdel, New Jersey; with additional offices located worldwide.

Eyelit Technologies has delivered unmatched results for a global customer base in the manufacturing industry using cutting edge technology and advancements in AI, ML, and optimization.

