

Cloud-based  
**command  
center** for Global  
Automotive  
Technology  
Leaders in  
Seating and  
E-Systems

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CASE STUDY.

An American company that manufactures automotive seating and automotive electrical systems faced the challenge of not having a single, integrated view of the factory functions and no real-time ability to visualize and analyze KPIs across divisions. They decided to partner with Tech Mahindra to build the capability that provides visibility to business-critical KPIs to monitor end-to-end manufacturing operations by implementing a cloud-based management solution and real-time data integration tools.

## CLIENT BACKGROUND AND BUSINESS CHALLENGE

The customer is an American company that manufactures automotive seating and automotive electrical systems, ranked on the Fortune 500 lists, is one of the global technology leaders in seating and E-Systems.

- Did not have a holistic, integrated view of the factory, supply chain, and support functions
- Identifying leading and trailing plants for critical manufacturing KPIs, identifying gaps to greatness, and triggering alerts for deviations in near-real-time to analyze KPIs across divisions, regions, plants, areas, lines, and stations was a challenge
- Creation of different types of reports like near real-time data visualization, trend reports, and alerts monitor statistical view was imperative for effective decision making

## OUR SOLUTION AND APPROACH

Cloud-based data management solution is used for data processing, data management, and cloud-based visualization tool is used to explore unstructured data. Qlik data integration was utilized for near real-time replication of data, and python is used for real-time alerts.

## BUSINESS BENEFITS

The enterprise command center solution aims to build visibility of business-critical KPIs to monitor the end-to-end manufacturing operations. Tech Mahindra developed interactive reports and dashboards to help users benefit from monitoring critical KPIs visualization.

- High volume and variety of data could be explored faster in no time, saving a lot of effort and time
- Faster decision making with the help of data visualization using analytics platform reports
- Improve the line efficiency by 5-8%
- Reduce the downtime by 5-8%
- Ensure 100% poke-yoke are connected
- Reduce safety overrides by 90%
- Reduce the meantime to respond to alerts by 50%

# Tech Mahindra



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