

# Global Machine Monitoring with Qlik Sense Reduces Downtime



## Challenge




Adient's Seat Structures & Mechanisms Business Group set itself the goal of centrally analyzing all of the approximately 1,400 machines in its more than 20 plants worldwide and creating international comparability using uniform metrics. Adient wanted to use Pareto analyses that identify problem areas and main errors and reduce downtime in an economically sensible way in order to manage quality assurance activities.

The existing QlikView installation is increasingly struggling with handling the amount of data in one app and with providing performant analytics. In addition to an aggregated view, detailed analyses of the individual machines and production shifts are to be made possible for plant management in the future.

## Solution

The fme AG focused on an efficient and maintainable data loading process as well as the modernization of the application architecture in order to cope with the data volumes. The first step was to upgrade the analysis platform from QlikView to Qlik Sense. The technical redesign of the upload processes allows data to be prepared specifically for each plant and at the same time creates the data basis for a cross-plant dashboard. A second Qlik Sense server provides better load balancing for data preparation and reduces response times for international users. In addition, fme generated

## Benefits

-  Reduce production costs by minimizing downtime
-  Improve the utilization rate of machines and plants through more transparency and comparability
-  Increase productivity thanks to faster decision-making capabilities leveraging detailed analyses

an independent analysis based on a template for each plant. Thanks to this uniform template and a central management system for plant parameters, the metrics and visualizations can be reproduced identically in the 20+ plant apps. Customizations and innovations only needed to be made in the sample application. Management now has an aggregated dashboard that allows it to quickly access the different plant apps for further details and analytics.

## Technology

- Qlik Sense, February 2021 Release
- Windows Server 2016

*»Our 1,400 machines generate large amounts of data in 20+ Seat Structures & Mechanisms plants worldwide. As a Qlik implementation partner, fme AG has succeeded in integrating all machines into a uniform dashboard that allows users to conveniently analyze all data. This enables us to reduce machine downtime and give plant managers a detailed insight into the monitoring.«*  
(Rainer Heymann, Senior Manager IT | Manufacturing and Quality Systems, Adient Components)

**Further information on [www.fme.de/en](http://www.fme.de/en)**