



## SUCCESS STORY

# HQM SACHSENRING SUCCESSFULLY DEPLOYS LINUX CLUSTER

Just-in-sequence delivery requires high availability...

### The User

In Zwickau, Germany, the name "HQM Sachsenring" stands for innovative and cutting-edge automobile manufacturing. In the past, Horch, Audi, and Trabant cars used to be manufactured at this location. Today HQM Sachsenring constructs, end-assembles, and delivers sophisticated, highly complex vehicle systems as a supplier for well-known automobile manufacturers.

### The project and the challenge

Sachsenring assembles auxiliary frames "just in sequence" for the VW Golf and Passat models in accordance with the release order from VW's Mosel plant. The maximum time allocated for the assembly and transport of the auxiliary frames to the neighboring VW plant is 240 minutes.

Adicom® for JIT/JIS ensures the optimal mapping of all logistics processes for the "JIT/JIS Processing for Auxiliary Frames" project: transfer and processing of EDI release orders by the OEM, JIT/JIS order management and sequencing, routing of orders to the assembly plant, confirmation from the assembly plant, storage of process data, and logistics processing for goods issue and dispatch.

Data is transferred via EDI as a variant-rich assembly order in lot size 1. Each order release is in a cycle time of <= 62 seconds. Production is in three shifts.

### High availability

Detailed emergency programs (redundancies) have been developed for the required high availability of the end-to-end system. Appropriate emergency concepts are deployed as appropriate for the failure of individual components.

By default, extensive software functions for emergency processes are integrated in the Adicom Software Suite. For example, all automatic functions can also be executed manually, and the required data collection of the order releases takes place via easy-to-use emergency input screens.

A duplicate of every hardware component is available, and a cluster solution with the LINUX operating system from SIEMENS FSC is used as a database server.

