

## SUCCESS STORY MONTES GMBH &amp; CO. KG

# ADICOM ENABLES JUST-IN-SEQUENCE DELIVERY TO AUDI'S ASSEMBLY LINE



## FACTS & FIGURES

### MONTES GMBH & CO. KG

<b>Established:</b>	1989
<b>Directors:</b>	Herbert Fürst, Peter Meyer
<b>Employees:</b>	60
<b>Portfolio:</b>	Core market is the automotive sector: · Assembly of modules · Just-In-Time (JIT) and Just-In-Sequence (JIS) Logistics services
<b>Headquarters:</b>	Ingolstadt, Germany
<b>Contact:</b>	www.montes.de +49 (0)841 84842

# MONTES

## Background

- MONTES is part of the Schabmüller Group, which has introduced SAP at all subsidiaries.
- MONTES delivers pre-assembled modules from various automotive suppliers just-in-sequence to Audi's assembly lines.
- As part of the migration to SAP, MONTES needed to replace its legacy JIT/JIS solution.

## The challenge

- Freudenberg IT was tasked with replacing both the legacy ERP system and the former JIT/JIS solution at MONTES without disrupting ongoing operations.
- The provider had to handle SAP integration of the JIT/JIS solution and smooth data migration.
- Freudenberg IT needed to offer hosting, SAP consulting, EDI, infrastructure and delivery sequencing as a one-stop provider.
- The JIT/JIS solution needed to ensure extremely high availability to avoid jeopardizing Audi's production processes.

## The solution

- Integration of Freudenberg IT's adicom JIT/JIS solution via the SAP-certified Freudenberg IT Interface Server.
- Twin fiber-optic links to the relevant systems at Audi.
- A solution comprising two systems with all data replicated within seconds, where the backup system takes over if the primary fails.

## The benefits

- State-of-the-art technology and standard software deployed.
- Software standardized throughout the group.
- Effort on the part of MONTES to operate the JIT/JIS solution significantly reduced to a few hours per month.
- Straightforward modification and extension of the solution to meet new requirements.

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**Christian Schlund**

Deputy Operations  
Manager for Logistics  
and Assembly

“Freudenberg IT’s consultants have deep knowledge of the tasks and processes of a logistics provider to the automotive industry. That’s why we only needed a few preliminary meetings before starting the transition to a new JIT/JIS solution, which was an absolutely mission-critical undertaking. The integration of the outstanding adicom software went very smoothly indeed. Few problems arose in the two-month test phase, and these were very minor. I very much look forward to continued collaboration with Freudenberg IT.”

### A CERTIFIED, HIGH-QUALITY LOGISTICS PROVIDER

Carmakers are handling less and less of the value chain in-house. Instead, companies like Audi rely on logistics specialists to deliver parts or modules to their assembly facilities just in time. Ingolstadt-based MONTES has supplied roof linings, air filters, arm rests and center consoles for Audi’s A3 and A4 platforms for some years now. These components are built into some 2,300 vehicles every day. MONTES – one of just three companies certified by Audi as a high-quality logistics provider – communicates with the carmaker’s production plant via a Just-in-Time/Just-in-Sequence (JIT/JIS) solution.

Until late 2009, MONTES deployed a proprietary JIT/JIS solution developed in-house. However, this had become increasingly complex during its more than 20-year lifecycle, and no longer fulfilled all the demands placed on it. In 2008, MONTES’ parent company Schabmüller decided to introduce a standard SAP solution in all six group companies. So it was vital for MONTES to find a JIT/JIS solution that integrates smoothly with SAP systems, meets all of Audi’s requirements, and is easier than the legacy software to operate, maintain and upgrade.

### SAP AND JIT/JIS SOFTWARE FROM A SINGLE SOURCE

MONTES opted for Freudenberg IT’s offering, because the IT service provider killed two birds with one stone: As a longstanding SAP partner, Freudenberg IT has extensive experience with implementing and operating SAP solutions. What’s more, it offers a manufacturing execution system (MES) in the shape of its adicom product, which boasts a certified data interface to SAP. Many automotive

suppliers and their customers (such as BMW, Ford, Daimler, GM and Volvo) already deploy adicom to great effect.

Since automobile production is critically dependent on an uninterrupted supply of parts, in late 2009 MONTES operated the new adicom software alongside the legacy system for an eight-week period. With MONTES supplying three different assembly lines to Audi in Ingolstadt, orders from the carmaker can sometimes arrive every few seconds. The receipt of an order immediately triggers the picking and shipping of the items requested. The time that elapses from order entry to delivery at the assembly line is generally less than an hour. For example, the response time for a roof lining for the A4 is about 30 minutes.

### MAXIMUM PROTECTION AGAINST OUTAGES

The strengths of the adicom JIT/JIS solution were already apparent in the test phase. Freudenberg made the final changeover to the new software on January 1, 2010. To ensure the best possible protection against outages, adicom is connected to Audi’s production software systems via twin fiber-optic links. Furthermore, MONTES operates two JIT/JIS systems in parallel, enabling all data to be replicated in real time. Should one system fail, the other takes over automatically – within seconds.

### MORE INFORMATION

For further information about the adicom JIT/JIS solution, visit [www.just-in-sequence.com](http://www.just-in-sequence.com) ■



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