



Case Study

Customer: Fritzmeier Composite, Hinrichssegen
Branch: Fiber composites (commercial vehicles)
Project: Order control (detailed planning)

Background

So far, the order control has been done by the head of production in Excel. The production orders were transferred manually from the ERP system. **Error rate** due to the manual transfer of order data, as well as **lack of transparency** were sources of loss. No automatic confirmation was sent to the ERP. Furthermore, it was **not possible to react quickly** to changes in the ERP data.

Solution

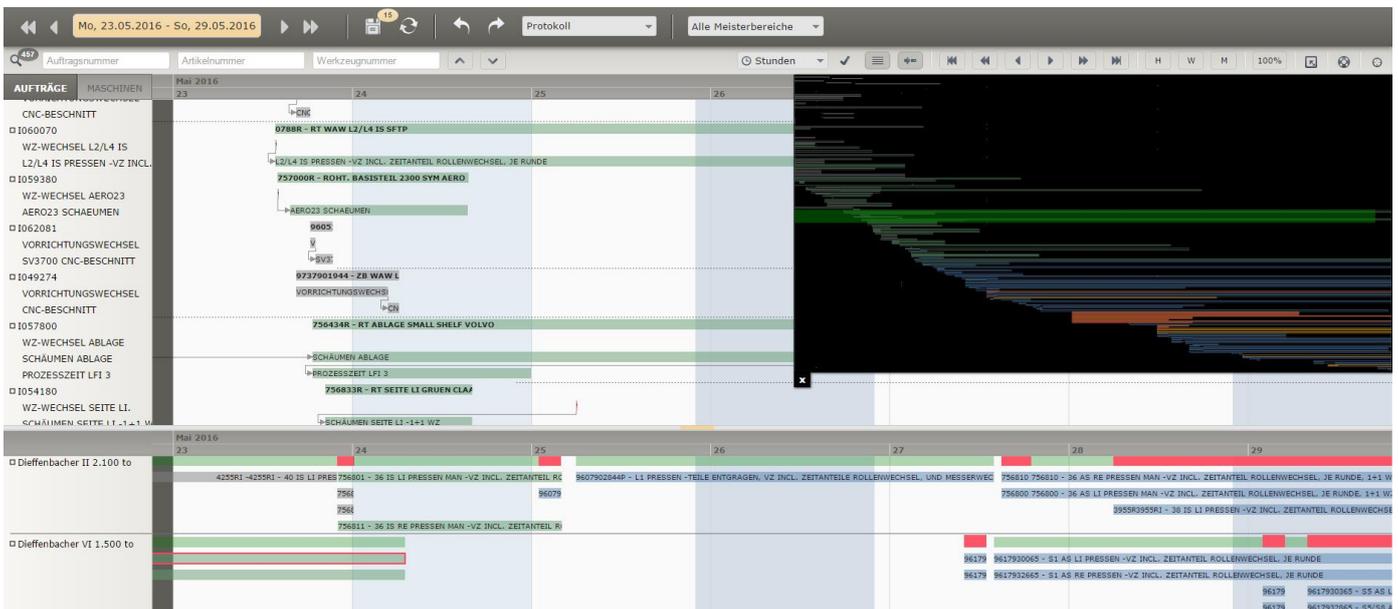


Image 1: Detailed planning of production orders in Gantt

In addition to the implementation of the efficiency booster Tracking & Tracing, the Detailed Order Planning was the main part of the project. The production orders at the operation level, the approved products, and the corresponding work plans are transferred automatically from the **ERP system** to the MES. A plausibility check is made so that errors, inconsistencies, etc. are determined and logged during import by the Legato Application Engine. In a **Gantt chart**, the head of production is able to schedule the current order backlog with support of the Legato efficiency booster Order Planning, to split orders, to merge, and to plan alternative resources. Short-term modifications from the ERP can be easily added and any overlaps can be realized by analyzing and displaying the capacity. The Legato **MES terminal** (HTML-5 application) provides, inter alia, the current workflows on the corresponding station as a table. The processing status of the orders can be modified and the machine states can be set. The latest quantities (by manual input or readout from the control), the order status, etc. are contemporarily reported back to the ERP, and are visualized as **order progress** in addition to the control in the Gantt chart.

Benefits

- Increased transparency (order completion, machine capacity, production order, tracking & tracing of production-related data)
- Reduction of error causes (automatic import of ERP data)