



Centrally Managing Complex Supply Chains and Processes: thyssenkrupp Rasselstein Relies on SEEBURGER BIS

thyssenkrupp Rasselstein GmbH

thyssenkrupp Rasselstein GmbH manufactures the packaging steel of the future – efficiently, process-optimized, and sustainably. Operating in a highly competitive environment, the company faces the challenge of continuously improving cost efficiency, quality, and performance. This goes hand in hand with a wide range of IT challenges and integration scenarios that require maximum flexibility and agility in implementation.

Technical complexity and global supply chain manageable through strategic integration platform

thyssenkrupp Rasselstein has been relying on the SEEBURGER BIS integration platform for over 30 years. In the company's continuously growing ecosystem, electronic data exchange with customers, partners, authorities, and platforms is orchestrated agilely and efficiently with BIS on-premises.

The BIS platform opens up thyssenkrupp Rasselstein to:

- Automated B2B/EDI data exchange with business partners and customs
- Seamless integration of transport platforms
- Implementation of customer e-invoicing requirements via portals
- Transparency in logistics and energy consumption
- Scalable architecture for integrating new partners via flexible formats
- Control of logistics processes for your own freight forwarding company
- Coordinated energy management and production processes
- Support of HR integration processes
- AI-supported document processes
- Stable, secure internet communication with external partners

About thyssenkrupp Rasselstein GmbH

thyssenkrupp Rasselstein GmbH is one of the world's leading suppliers of high-quality tinplate. At its site in Andernach, Germany – the largest facility of its type worldwide – the company has an annual production capacity of up to 1.5m tons of packaging steel. More than 2,000 employees serve international customers across a wide range of markets – from producers of food and pet food cans to manufacturers of aerosol cans, packaging for paints and coatings or containers for hazardous goods, as well as crown corks and closures. This makes thyssenkrupp Rasselstein the first port of call for experts who know exactly what counts in the packaging industry. With the excellent expertise of its employees and thanks to the high efficiency of its innovative packaging steels, the company finds reliable solutions for the diverse requirements of its customers.

www.thyssenkrupp-steel.com

Seamless B2B/EDI integration for maximum efficiency in complex industrial and logistics processes

thyssenkrupp Rasselstein GmbH uses BIS, one central integration platform, to control the following data flows:

B2B/EDI data exchange with standard and individual format requirements:

- **Customers/suppliers:** Order/purchase order processes with exchange of delivery notes, invoices, inventory data from external warehouses, consignment stock at customers/logistics service providers, and quality data for automated inspection and goods release
- **Logistics service providers:** Process phases pre-run, main run, post-run via the transport modes truck, ship, rail, and the formats EDIFACT IFTMIN/XML structures of the logistics service providers
- **Customs:** Customs declarations/confirmations via the service provider DBH from/to SAP
- **Platforms:**
 - *Transporeon:* Management of transport time windows, orders, and statuses (asynchronous connection)
 - *Trendfire:* Exchange of telematics and geodata for truck tracking via synchronous API calls
 - *Deutsche Bahn:* Rail transport/wagon ordering
 - *INTTRA Maritime Terminal and Loading Infrastructure Providers:* Determination of cargo space requirements from SAP (customer orders) coordinated with schedules via REST API, with automated booking requests for containers with different carriers and booking confirmation via custom XML OFTP2 via BIS
 - *Develogment:* Exchange of transport orders, tour feedback, tour statuses, invoices via REST API to/from Translogica transport management system for in-house freight forwarding
 - *Baseware/Tungsten portal:* Electronic invoice exchange according to customer specifications

Internal data traffic: BIS as middleware

- **Production system** *PSI Metals*
 - Transmission of electricity requirements/forecasts to RWE Smart Grid
 - Alignment of order planning for energy-intensive processes with electricity prices with planned integration of the electricity exchange via BIS
 - Transfer of actual data to MessDAS (energy data management)
- **Transport management system** *Translogica* of the company's own freight forwarding agency
 - Interfaces to SAP: FI documents, vendor/customer master data, transport status invoices XML/IDoc
 - Interfaces from SAP: Transport orders IDoc/XML
- **Energy management system** *MessDAS*
 - Planning of electricity requirements from the PSI Metals production system according to MessDAS
- **HR systems**
 - *ATOSS* time management: Master data & time data exchange between SAP and ATOSS
 - *ED* employee fuel card: Fuel data transfer via EDI to SAP
 - Rasselstein employee app: Provision of information from various sources
 - Noise measurement data: (Transfer of audio files via BIS)
- **Document processing**
 - AI-supported processing: Celonis/Rossum Conversion of mail/PDF orders -> AI -> via SFTP XML -> BIS Conversion to IDoc Transfer via tRFC to SAP
 - Integration for companies with lower EDI maturity: Receipt of forecasts and orders from customers, receipt of inventory information from logistics service providers and warehouse management. Process: Receipt via CSV/Excel email, extraction, conversion, and transfer to SAP IDoc

IT security:

BIS Secure Proxy (BSP) ensures maximum security in B2B and API communication by controlling all data flows and processing them without storing data in the DMZ. The solution protects the company from external attacks, reduces risks through IP filtering, and eliminates incoming connections from the DMZ.

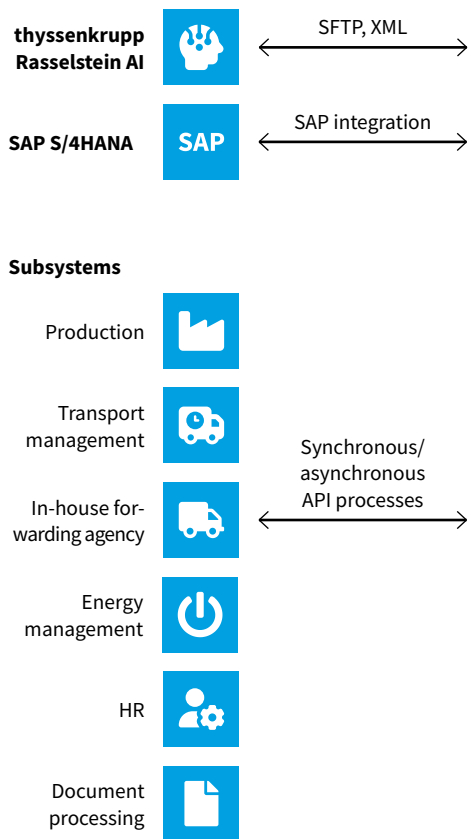


Curious about other **case studies** from the automotive industry?

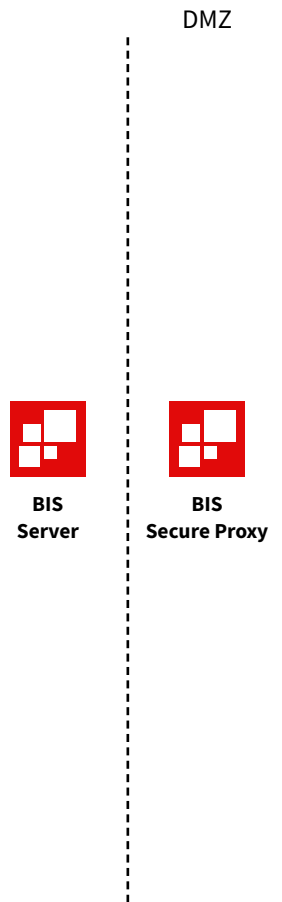
The benefits of a central platform

- + Flexibility, thanks to a modern, AI-supported integration solution
- + Rapid implementation of customer requirements
- + Process efficiency
- + Maximum security and reliability in data exchange
- + Pooling of expertise
- + Cost-efficient interface development

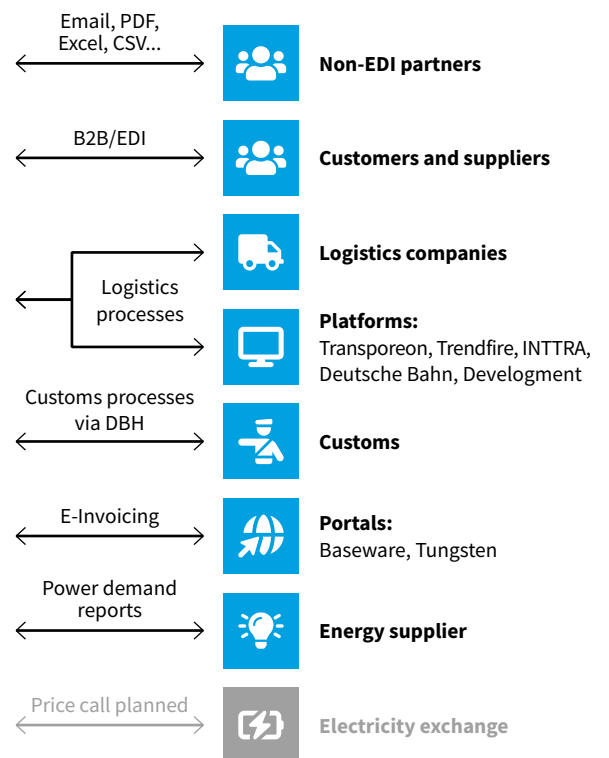
thyssenkrupp Rasselstein IT landscape



SEEBURGER Business Integration Suite (BIS)



Business partners, platforms, portals



SEEBURGER BIS in use at thyssenkrupp Rasselstein



“SEEBURGER BIS is like a universal key — a flexible tool for all interfaces and B2B/EDI requirements. With just one tool, we can exchange data with all partners and IT systems. Thanks to the bundled expertise of our employees in a single integration platform, we can implement and automate processes efficiently, cost-effectively, and quickly.”

Mehmet Ali Birtek, Applications, SE-PS Digital Solutions, thyssenkrupp Rasselstein GmbH