

# SEEBURGER BIS:EPX

## Quick and convenient engineering data exchange

**For successful customer relations** in the automotive industry, the processes between partners have to run fast and smoothly. Shorter development cycles, development projects implemented across locations as well as growing data volumes demand suitable solutions to contend with the continuously increasing product development requirements.

With BIS:EPX, SEEBURGER provides a **highly sophisticated, flexible solution** for a quick and convenient exchange of engineering and product data with business partners.

The user-friendly intranet application makes sure that the engineer has browser-based access to the engineering and partner data required for dispatch. Just a few mouse-clicks are needed for the simple and fast transmission of the data directly from the workstation. In this context, it is irrelevant where

the engineer is located and which workstation he is using (Windows or Unix). All he needs is access to the central server via a browser and a secured Intranet connection (https).

The subsequent process steps are triggered and monitored via a flexible workflow control. The automated dispatch and/or receipt process can be partner-specific and consist of several different process steps, for instance:

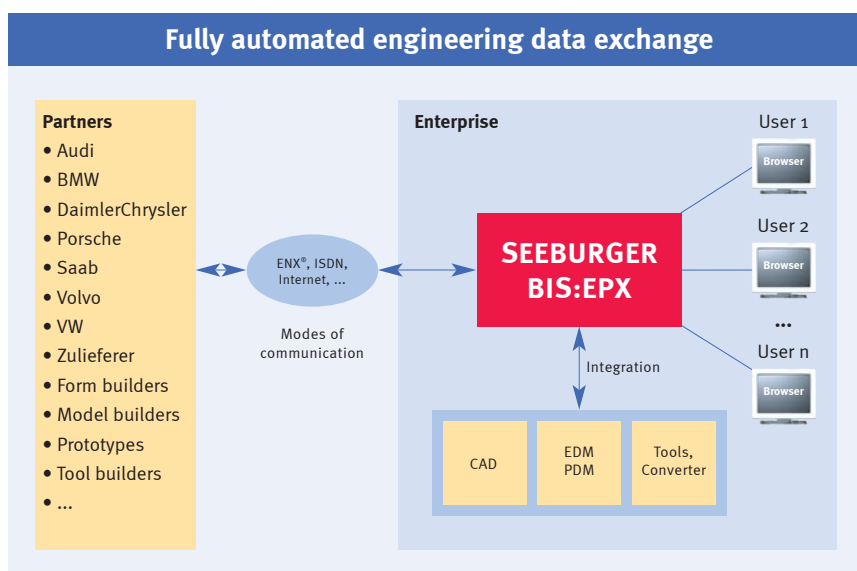
- Selection and export of engineering data from the CAD application
- External CAD conversion into partner-specific or standard formats
- Quality testing
- Compression and encryption of data according to different methods
- Creating the necessary ENGDAT messages
- Transmission of data via different communication protocols

- Automatic notification of the sender about the dispatch status via e-mail or fax

The pre-configured processes can be easily and flexibly adapted to company-specific or partner-specific requirements.

The open architecture allows simple integration of applications. All important applications (CAD, PLM, quality testing, CAD converter) can thus be incorporated in the processes. Pre-configured connectors to usual systems (e.g. CATIA) clearly reduce the implementation efforts.

Comprehensive management functions make sure that processes run smoothly. Partner-specific and process-specific information is maintained centrally. Monitoring functions with event-controlled notification options guarantee high process security and quality. The traceability of the process flow is achieved by user authentication, logging of events and archiving options.



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## Low cost as a result of flexible solutions

### Features of BIS:EPX - Engineering Product Data EXchange

#### ■ Browser-based user interface:

- Able to function on widespread operating systems, no client installation necessary
- Direct access to all relevant data in system environments, e. g. at CATIA (presuming the corresponding integration module is used)
- Dispatch and receipt of ENGDAT V.2 & V.3 (XML) and ENGPART V.2 & V.3 messages in accordance with the latest VDA recommendations, research option in ENGPART data
- Allows for location encompassing use, secure communication between client and server on the basis of https and SSL

#### ■ Central business integration server with workflow manager:

- Easily adaptable processes with graphic workflow designer
- Automatic import and export of data in CAD systems
- Automatic, partner-specific processing of data
- Integration of external CAD converters, PLM systems and check tools
- Notification via e-mail or fax (data accompanying notes, dispatch receipts, reception notifications, etc.)
- Automatic packing using GZIP, TAR, ZIP, etc.
- Automatic encryption of data using PGP, GPG, Com-Secure, etc.
- User administration, password authentication and logging of events

#### ■ Communication server:

- Secure transport of data in all networks (ENX®, ISDN, Internet, VPN, LAN, WAN/RAS, VAN)
- Use of standard protocols (OFTP-ISDN, OFTP-TCP/IP, FTP, Eurofile transfer protocol, ID-Trans, SMTP/e-mail, P7 for X.400, etc.)

### BIS:EPX offers high benefit and speedy amortization

- **Considerable time saving and reduction of the engineers' workload** as a result of easy-to-use solution and highly automated procedures
- **Low total cost of ownership:** solution is easily implemented throughout the enterprise, no client installation required, comprehensive support of automotive-specific requirements, easy and flexible adaptation and extension
- **High investment protection** by using an open, flexible solution architecture on the basis of state-of-the-art technology (XML, J2EE, etc.)
- **Short process throughput times** owing to the high degree of automation and avoidance of wait times
- **High process security** as a result of comprehensive monitoring and protocol functions