

# CAD Data Exchange

## One Single Solution to Connect All Engineering Partners

### Challenges

Successful customer relationships in the automotive sector assume smooth and fast processes between business partners. Shorter development cycles, developments processes implemented across locations as well as growing data volumes demand suitable solutions to contend with the continuously increasing product development requirements.

### Solution

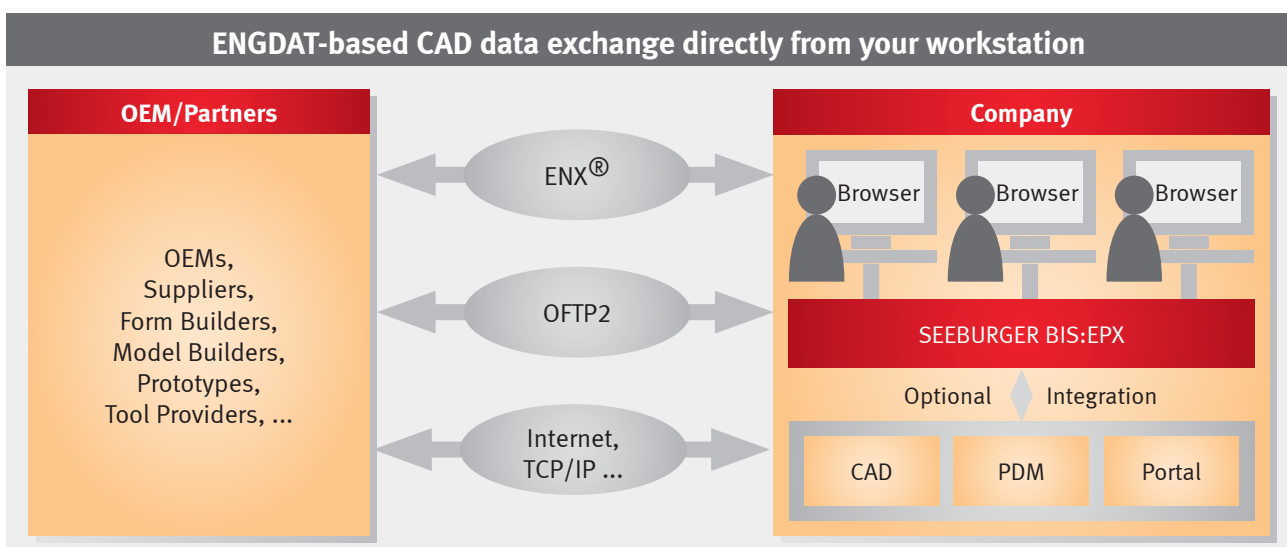
With BIS:EPX, SEEBURGER provides a highly sophisticated, flexible solution for a quick and convenient exchange of engineering and product data with business partners.

Its 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 mouseclicks are needed for the simple and fast transmission of the data directly from the workstation. In this connection, it is irrelevant where the engineer is located and which workstation he is using (windows or Unix).

The new Business Integration Server based solution comes in different variants to meet different requirements of customers:

- EPX as an add-on to extend the BIS:express solution for small customers. The add-on will be installed on the BIS:express server in a separate logical system.
- EPX as an add-on to extend the B2B-Standard-Solution. The add-on will be installed on the BIS:express server in a separate logical system.
- EPX as a stand-alone solution. The solution will be installed on its own server, where no B2B-Standard-Solution is installed.



# SEEBURGER BIS:EPX

## OFTP2 for Engineering Data Exchange

### Functional range of BIS:EPX

The later process steps are triggered and monitored through a flexible workflow control and the automated dispatch and/or receipt process can be assembled with several process steps, for instance:

- Automated creation of the ENGDAT data required across all usual versions
- Central partner and ENGDAT data administration within the ENGPART database provided
- Automated e-mail notification of:
  - The sender
  - The addressee in case of ENGDAT data receipt
  - The communication partner regarding OFTP2 data transmission
- GZIP compression of dispatch data (standard of the German Automotive Federation)
- TARging of folders
- 10 named user accounts
- Detailed searching functions

### Enlargement

- Automated encryption of the dispatched data using ComSecure (a requirement of Volkswagen and AUDI, by using OFTP2, ComSecure is not needed)
- Enrichment of the communication (channel amplification or further communication log filing)

### BIS:EPX provides high Benefits and fast ROI

- BIS:EPX has a user-friendly interface and can be immediately used even after long periods of »non-practising«.

### It also offers

- High time saving and relief of engineers through its easy-to-use interface and highly automated features
- BIS:EPX sends out data directly from the work place and
- Integrates e-mail functions for rapid collection of the additional information required
- SEEBURGER's BIS:EPX offers detailed search functionalities and
- Easy-to-implement solutions cross location
- High processing rates due to a high automation and avoidance of wait times
- BIS:epx provides a high process stability and comprehensive monitoring and log filing
- BIS:EPX guarantees secure processes providing comprehensive management features and a central maintenance and administration.
- Monitoring functions use event-driven reporting of the users making sure process stability and quality.
  - BIS:EPX traces processes using:
    - The user authentication during the login
    - The log filing of every event and
    - The archiving options provided.

# SEEBURGER BIS:EPX

Easy, Flexible and Cost Effective

## Browser-based User Interface (Client)

- Runs on every standard operating system
- No client installation required
- The client depends on the browser
- Sending and receiving of ENGDAT V.2 and V.3 – (XML) as well as ENGPART V.2, V.3 and V.4 – messages according to the recommendations of the German Automotive Federation (VDA)
- Selection of dispatch data via FTP from an FTP server. Locally by upload or from a workstation within the network
- Searching functions in the ENGPART data base
- Cross location deployment and safe communication between client and server based on http(s) and SSL
- Searching options through the sending and receiving status quo
- Flexible shipment dating
- Template feature for repeated data transmission

## Communication Server

- Secure data transmission in all networks (ENX ®, ISDN, Internet, VPN, LAN, WAN/RAS, VAN etc.)
- Use of all standardised protocols (OFTP2, OFTP-ISDN, OFTP-TCP/IP, FTP, SMTP/e-mail, etc.)

## The Central Workflow System means more Flexibility

- User administration, password authentication and login of events
- E-mail reporting/status report in case of data receipt
- E-mail reporting of partners in case of data dispatch via OFTP
- Automated, partner-specific data processing
- Automated compression using GZIP

## Portal as an extension option

- The integration of SEE FX allows you the 100% integration of all your partners, which have no ENGDAT/OFTP system. Your engineering data will be put in the EPX predefined partner mailboxes (user directories in the SEE FX).
- Your partner can download the data directly from their account.
- Furthermore, these external partner can send data without ENGDAT to internal users of the hosting company. The solution can be used in your enterprise DMZ or as managed services in SEEBURGER cloud.