Combined Benefits
Process Optimization in Logistics
EDI DESCRIBES THE ELECTRONICAL, AUTOMATICAL TRANSMISSON OF INFORMATION BETWEEN COMPANIES (EXTERNAL) OR DEPARTMENTS (INTERNAL).
Electronic Data Interchange

Electronic data interchange or EDI is independent of the logistics system. It is also possible to automate the business processes of a customer who is not linked to Rutronik by a logistics system.

**Processes**

Standard business processes, such as

- order entry
- order confirmation
- delivery notification
- invoicing

...can in principle be handled electronically for all customers. For this, it is of course necessary that the customer has the corresponding technical means to set up the communication with Rutronik.

**Benefits and targets**

- Time-reduced and reliable information flow
- Acceleration of the business processes
- Lowering of the logistics cost
- Increase of the service level

**Advantages**

- Reduction of process time
- Reduction of process cost
- Automatic process management
- Reduction of inventory
- Increase of process reliability
- Availability – Confidentiality – Reliability
A Gartner research shows that the correction of an error during the order process causes a 10 to 15 times higher rate to correct it than the order process itself. Even though EDI has been a well-established process for many years, the number of transferred messages is still increasing.

### Jointly benefit

#### EDI with its supplier

**List of documents Rutronik is exchanging with its suppliers:**
- Orders
- Order confirmations
- Order changes
- Delivery notes
- Invoices
- Stock information
- Availability information
- Sales reports
- Ship & debit reports
- Logistic reports
- Price lists
- Forecast information
- ...

#### EDI with its customers

**List of documents Rutronik is exchanging with its customers:**
- Forecast information
- Orders
- VMI handling
- Consignment removal
- Consignment refill orders
- Delivery notes
- Invoices
- Consignment
- Order confirmation
- Order change
- ...

#### Content format

To enable the automatic import into the customer’s IT system, the data has to be transferred into a standard format. Worldwide there are a lot of different types in use. Rutronik can handle the most important:

- UN/EDIFACT
- VDA
- XML
- SAP-IDOC
- OpenTRANS
- ebXML
- RosettaNet
- XLS
- CSV
- TXT
- ...

#### Message format

Standard protocols have been defined for a reliable transfer of data between sender and recipient. Rutronik supports all established variations:

- AS2
- FTP/FTPS
- VANs
- X400
- OFTP
- SMTP (Email)
- ...

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**25 million**

Rutronik’s EDI portfolio is as multifaceted as the industrial sector and the markets of our customers. Rutronik speaks the language of its customers. Just as well Rutronik supports the individual EDI situation. Many different message types, all well-established EDI forms and the most important transmission channels are well known and day-to-day business for Rutronik’s EDI experts.

Together with the partner a dedicated Team at Rutronik analyses the requirements and the actual situation. They develop an individual solution in order to create a win-win-situation. During the definition of the details and the adjustment of the connection the Rutronik experts follow well-established and proved processes and procedures. Of course they still have the flexibility to react to special requirements or situations.
By setting the respective BITS we are able to specify all formats ourselves. If the data is available in a standard structure it can be processed individually without any additional programming.
EDI via Internet

Messages
In order for business partners to be able to operate via EDI, they must agree on a so-called message standard. We support all common formats, such as EDIFACT (the international EDI standard which is continuously updated by the responsible UN committee), VDA (German Association of the Automotive Industry), ANSI X.12, ODETTE and many more.

EDI software
The EDI software consists of connectors and a converter. The converter is the heart of the EDI software; its task is to convert the data (messages) from the internal format of a company into a standardized EDI message format and to convert the EDI partner messages received in standard format into the in-house format. For this, we offer standard mapping and assignments for many partner/ERP systems.

Communication
After the data (message) has been converted from the internal format into a standard messaging format by the EDI software it needs to be transmitted to the designated recipient. The transmission facilities that we support include value-added networks (VANs), ISDN, etc.

Overview of the implementations

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CATALOG
- Prices
- Delivery times
- Datasheets
- Support

SAMPLES
- Order samples online

PROCUREMENT
- Order information
- Contracts
- Traceability
- Buffer Stock
- Customer article list

MASSQUOTATION
- Automatical analysis pricelist

PCN

PRINTMEDIA

RUTRONIK PROCUREMENT
- Order information, Online tracking
- Offers
- Article list
- Buffer stock
- Contracts, schedule lines
- Consignment
- Traceability
- smartConsi

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