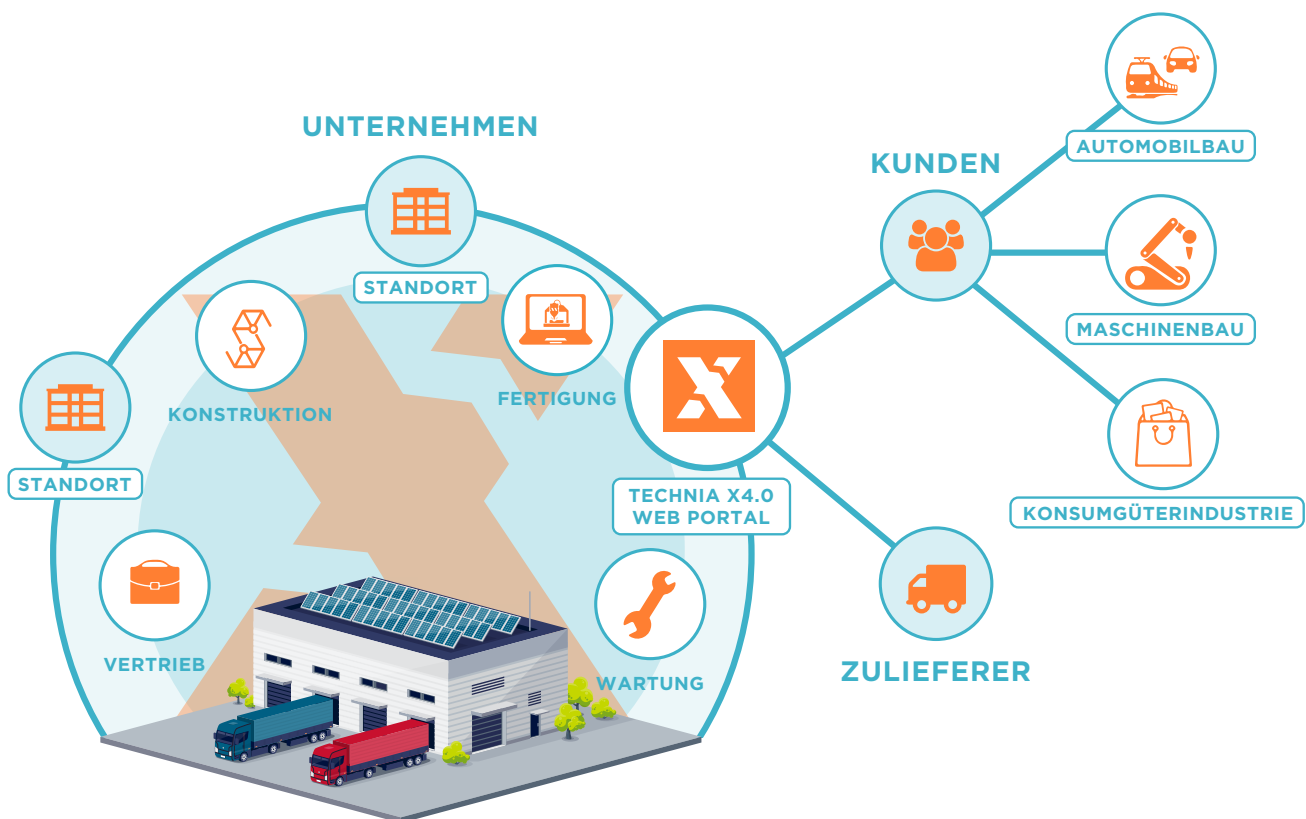## X4.0

THE INTELLIGENT COMMUNICATION TOOL FOR SECURE AND TEAM-ORIENTED PROJECT WORK

Data exchange in the age of Industry 4.0

X4.0 is much more than a modern data exchange software. The intelligent system is a secure communication tool for team-oriented project work and convenient document storage. Internally and externally - with notifications via e-mail, SMS or Messenger. X4.0 supports companies in design and manufacturing in many industries, including automotive, mechanical engineering or consumer goods: mobile, highly automated and efficient.

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Simple and reliable data exchange

Communication and organizational structures within projects can become very complex.
become. The most diverse workflows, increasing globalization and growing mobility present companies with new challenges every day when it comes to managing and exchanging their project data. With X4.0, precisely this exchange becomes as simple and reliable as possible.

X4.0 provides reliable functions for communication, organization and data exchange within projects. Automated processes, flexible notification systems and interfaces to mobile end devices ensure that teamwork no longer knows any boundaries.

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- **Team-oriented:** X4.0 simplifies project team collaboration through automated data assignment and centralized access to all relevant information.

Mobile: Current project status for all team members via web application. Individualized notifications on all project-relevant details.

Highly automated: Easy to use, e.g. for automatic task management, stand-alone smart filing or sending your project data. Individually configurable views in the web view (widgets).

Efficient: Time savings that benefit core tasks.

Secure: Security and traceability of all processes - during data transfer, storage and access. Support for all common encryption technologies.

Customizable: The powerful authorization system, which is company-, person- or project-centric, makes it easy to implement your requirements. Completely individual settings are also possible.

COMMUNICATION & ORGANIZATION:
Project management, process management, consistency, access authorizations.

MULTI-CAD:
Interface for CAD systems, CAD format conversion.

INTERFACE:
Mobile retrieval of project data on the web, Open architecture.

X4.0 WEB PORTAL:
File upload and download for customers and suppliers.

AUTOMATION:
Encryption and decryption, conversion of different formats, IP protection, data provisioning.

ADMINISTRATION:
Individual configuration, security and tracking, archiving and documentation.

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Customize

You can customize user interface and dashboards in X4.0. In addition to individual extensions, the open architecture also enables the connection of external systems.

Search

With faceted search, you combine the possibilities of full-text search with flexible result filtering - easily and quickly. The search queries can be integrated as widgets individually or globally in the dashboard.

Manage

Projects and folders are the backbone of the system and provide an overview and organization of your communication and documents.

Automate

Use any combination of predefined functions (jobs) to implement your workflows. X4.0 is the universal tool for mapping your process chain independently.
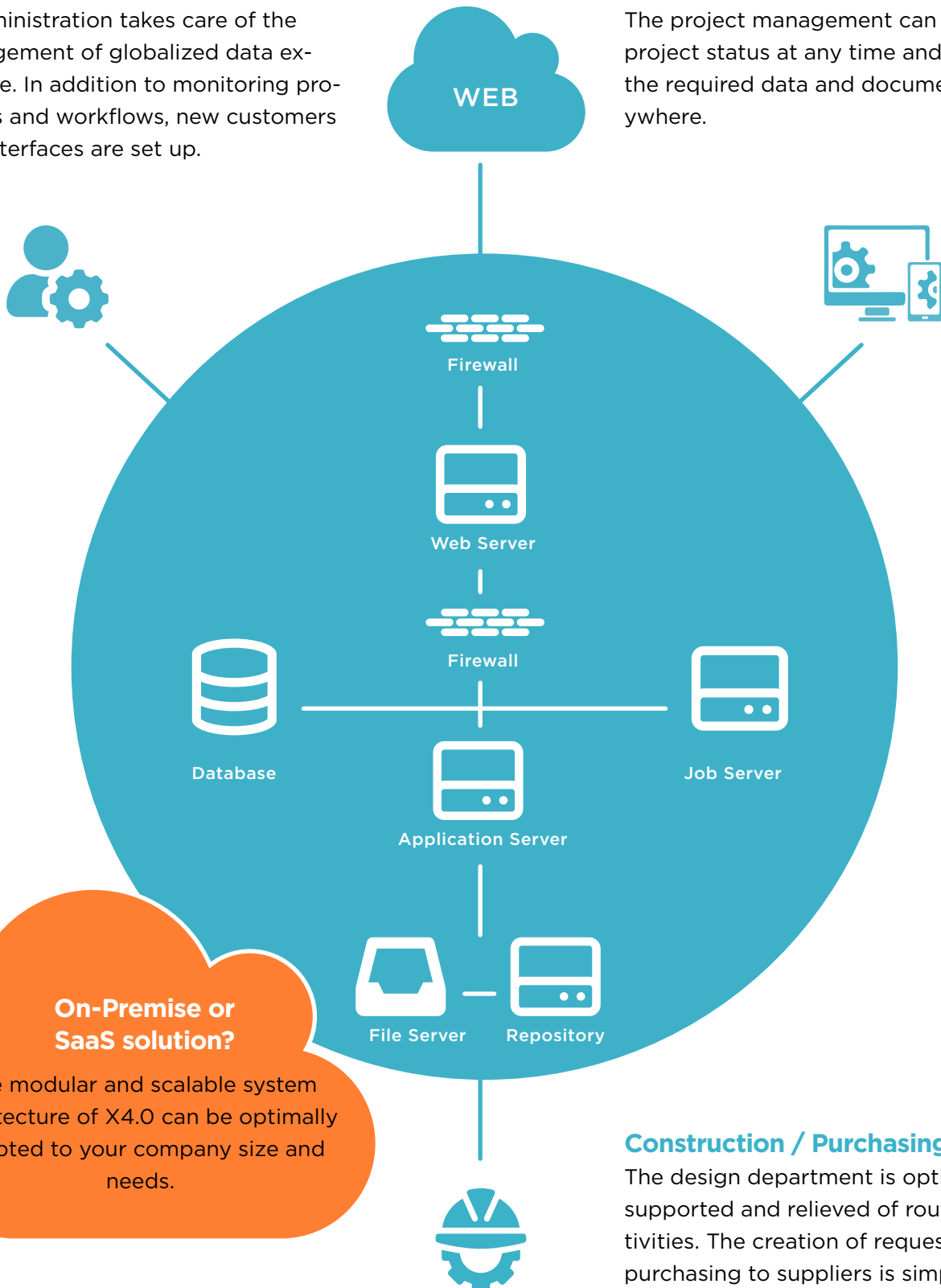
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Administration

IT administration takes care of the management of globalized data exchange. In addition to monitoring processes and workflows, new customers and interfaces are set up.

Project management

The project management can track the project status at any time and access the required data and documents anywhere.

WEB

Firewall

Web Server

Firewall

Database

Application Server

Job Server

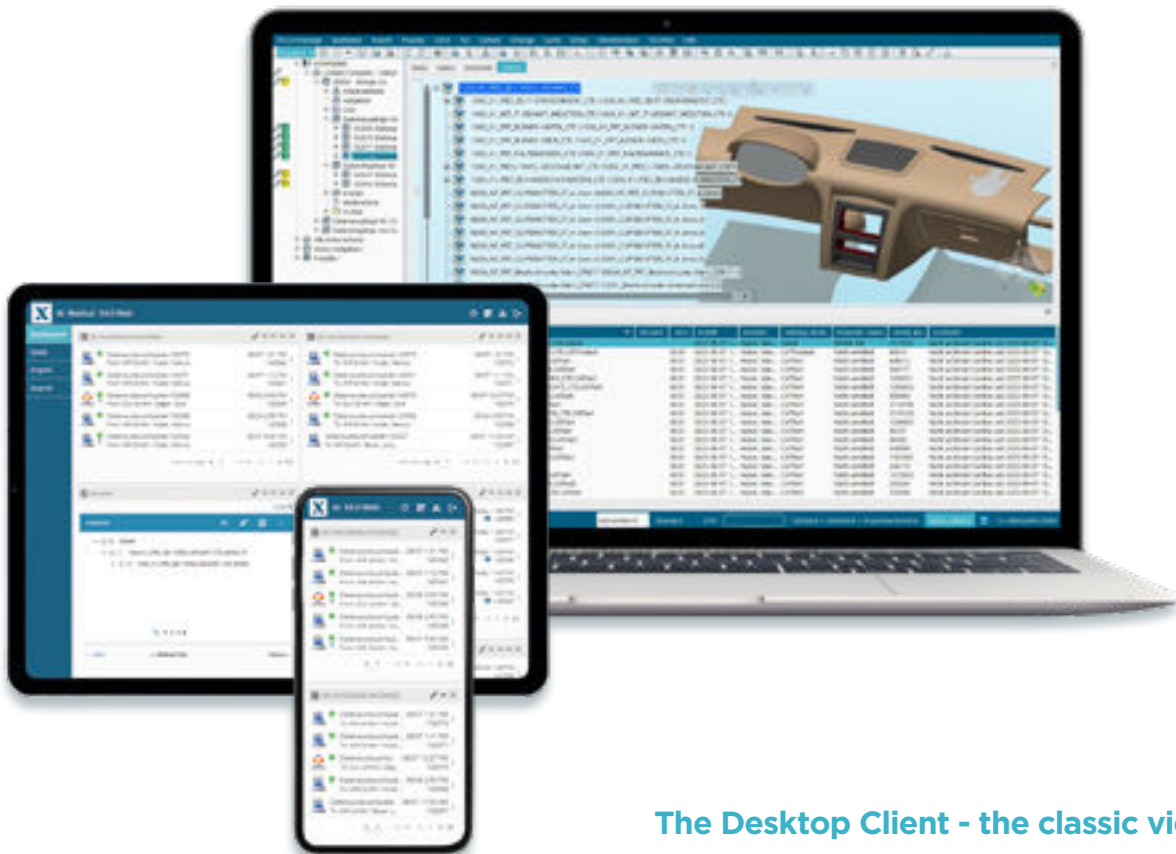**File Server**

Repository

On-Premise or SaaS solution?

The modular and scalable system architecture of X4.0 can be optimally adapted to your company size and needs.

Construction / Purchasing

The design department is optimally supported and relieved of routine activities. The creation of requests from purchasing to suppliers is simple and comprehensible.

The user interface - clear, intelligent, ergonomic

The Desktop Client - the classic view
Structured display of information. Designed for all tasks:
Evaluation, search, configuration and administration.

The Web Client - available everywhere
Optimized for mobile access, for
Doing your daily tasks.

The Web Portal Client - for external suppliers
Engage your suppliers, assign automated processes to them, and benefit from traceability.

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The X4.0 web portal

Your own platform for connecting and integrating your customers, external suppliers and sites.

Supplier integration

- Defined workflows
- High quality assurance (Q-Checker)
- Optional project assignment
- Easy integration
- Highest encryption

Integration of your purchasing

- Ease of use, traceability and error prevention
- Traceability of the inquiry process
- Protection of sensitive inquiry data
- No more isolated applications - integration into your central X4.0 data exchange platform
- Simultaneous dispatch (multi-dispatch) to multiple suppliers

Replacement of unsafe transmission paths

- Encrypted data transmission
- Central data storage
- Simple administration
- Automatic workflow and verification process

Connection of locations

- Simple administration
- Uncomplicated rights management
- Easy to understand operation
- Automatic notifications
- Reduction of storage space and network shares

SUPPLIERS

E-MAIL, DATA ACCOMPANYING

REQUEST

PURCHASING

PROJECT DATA

E-MAIL, DATA ACCOMPANYING

CONSTRUCTION

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X4.0 - Interface to PLM systems

Thanks to its open architecture, X4.0 can be individually extended and connected to external PLM systems.

Data dispatch

- Just-in-time: direct shipping from the
- PLM system
- No compiling and
- intermediate storage
- No personnel dependencies in
- in case of vacation or illness
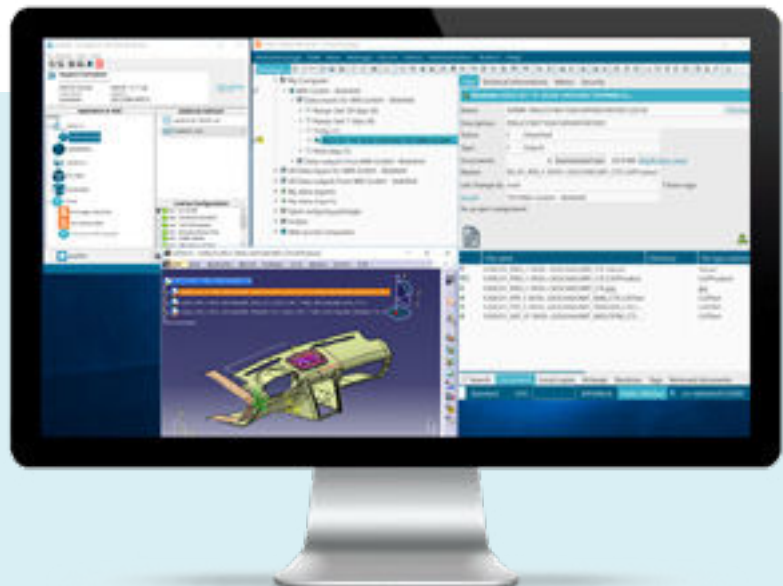
Quality improvement through

- Supply chain optimization
- Automated inspections
- Consistent business processes
- Error prevention
- Direct traceability and
- information to users

Data reception

- Automated workflows
- Reduction of queries

X4.0 interfaces

- 3DEXPERIENCE
- Teamcenter
- CIM Database
- s4:manage
- TECHNIA 3D Software Suite:
    - myPLM
    - xCompare
    - Lite3D
    - Q-Checker
- Others on request

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More than integrated data dispatch

Successful symbiosis
The benefit of the PLM interface is to combine the advantages and strengths of the systems simply and successfully. This allows the sending and receiving processes to be optimally configured, i.e. pre- or post-processing can take place where it is most useful.

Master data adjustment in the background
There is no need for duplicate data maintenance with regard to PLM users and data exchange partners.

Integrated data dispatch
Save time and increase the quality of your data transfer by sending data securely with X4.0 directly from your PLM system. Workflows, e.g. inspection processes with release, can be easily integrated. The same applies to e-mail notifications (with data accompanying bill as attachment).

Data input
X4.0 receives your data, for example via OFTP(2), the X4.0 Web Portal, SFTP/FTP, external portals and file systems, and makes it available. Workflows based on the received data, such as checks, conversions, generating viewing formats, etc., can be configured automatically as preprocessing.

Clear display
Who sent what to whom and when? Detailed process information on the sending processes is clearly displayed.

Proof of use for documents
For each document you see the where-used list in a data output. This way you know exactly when which version was sent with which other documents.

Logging and logging
The entire data exchange process is logged in detail and can provide support in support cases.
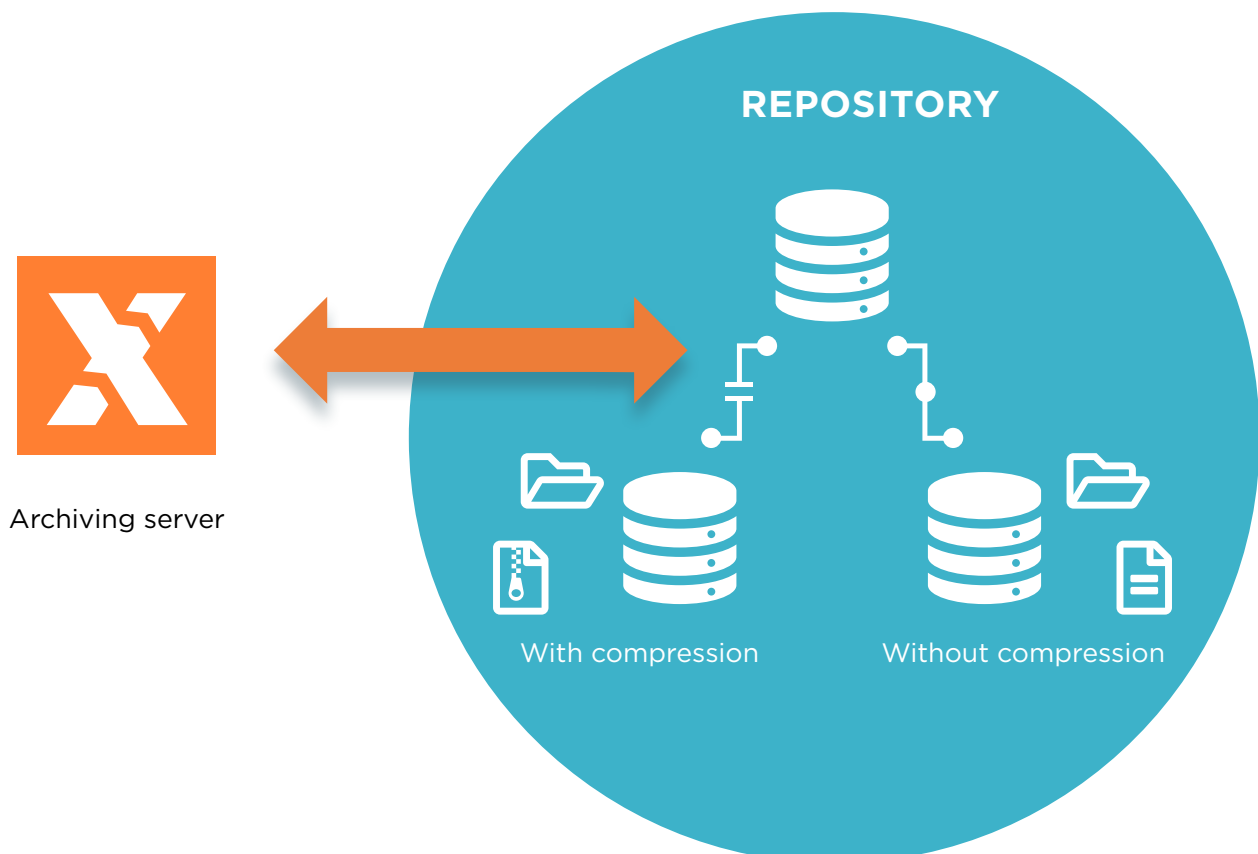
Feedback after download
When using the X4.0 Web Portal, you can see directly in your PLM system when the recipient has downloaded your data dispatch. Optionally, you will be informed by e-mail about the use of your data.

Archiving with X4.0

Do you have rapidly growing data volumes and thus high costs due to expansion of highly available hard disk storage?
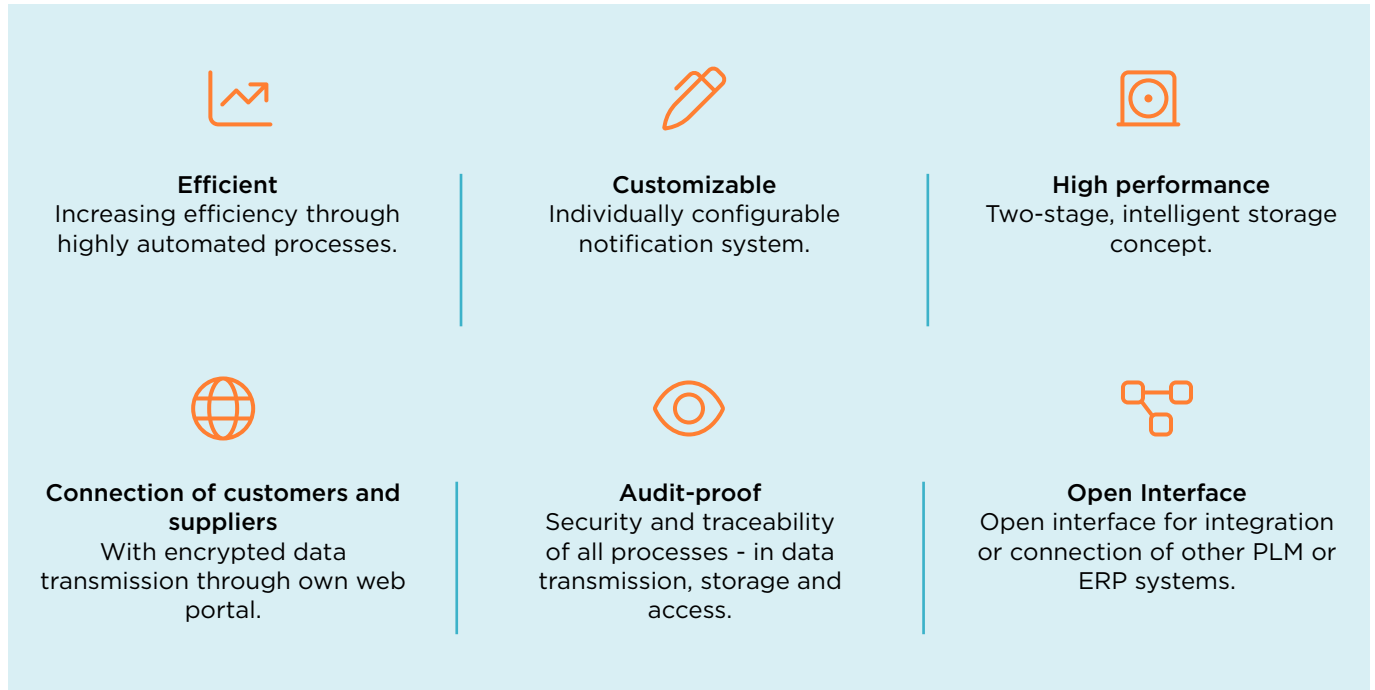
The X4.0 archiving server offers you the possibility to move data exchange packages from the X4.0 repository (data store) - automatically after a configurable time - into an archive area. Access to this archived data is possible at any time. Optionally, additional compression can be performed during relocation.

This easily expandable storage space is considerably more cost-effective for your company, especially for large, constantly growing data volumes, compared to today's repository with storage of all data, e.g. on a RAID system.

Archiving server

REPOSITORY

With compression   Without compression

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X4.0 - more than a data exchange solution

Efficient
Increasing efficiency through highly automated processes.

Customizable
Individually configurable notification system.

High performance
Two-stage, intelligent storage concept.

Connection of customers and suppliers
With encrypted data transmission through own web portal.

Audit-proof
Security and traceability of all processes - in data transmission, storage and access.

Open Interface
Open interface for integration or connection of other PLM or ERP systems.

About TECHNIA Software & Global Services

TECHNIA is making product creation sustainable.

TECHNIA Software develops and delivers a robust portfolio of digital solutions that help you to adapt and configure enterprise systems and software to your individual business needs. Our dedicated team of experts, spanning 13 countries, advises, and supports your innovation with a wealth of specialist knowledge and experience.

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