

OPENDXM - OPENDXM - OPENDXM - OPENDXM

OpenDXM

ENGINEERING-DATA-
WORKFLOW

1.
IN THE EARLY STAGES OF PRODUCT DEVELOPMENT, EVERYTHING IS IN A STATE OF TRANSITION.

IF DEVELOPMENT IS TO PROGRESS SMOOTHLY,
 THE FLOW OF DATA NEEDS TO REMAIN CONSISTENT.

0.1 THE DATA FLOW

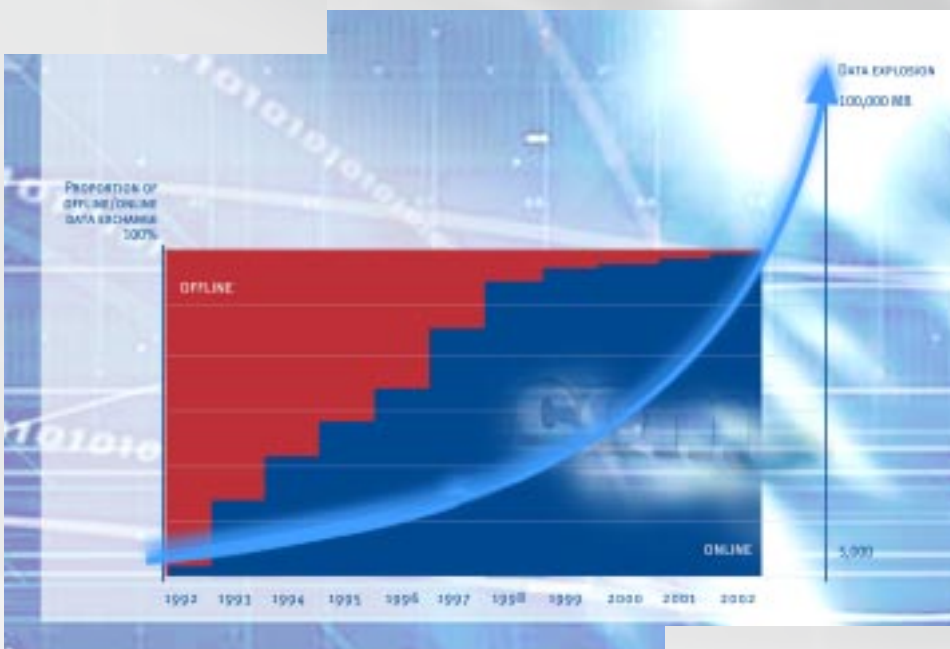
A STATE OF TRANSITION

Today, development activities in industries like the automotive and aerospace industries are widely distributed, with industry suppliers gaining more and more responsibility, and each partner concentrating on its own particular areas of expertise. This saves time and money and promotes innovation.

But teamwork requires an extremely high level of communication. Mountains of digital product data are being sent back and forth to ensure that everyone involved knows what the relevant work status is. This is especially true in the early phase of development when everything is still in a state of transition.

If the flood of digital data cannot be channeled properly, it will wash sand into the motors driving the distributed product development process.

- The data has errors or does not satisfy the standard of quality laid down by the customer and has to be exchanged again.
- Important project partners do not receive the latest data or receive this data too late – a state of affairs that can lead to needless and often costly modifications.
- Project managers are barely able to keep track of who has received what data and when, thus making collaboration difficult.



D A T A E X C H A N G E - O F F L I N E - O N L I N E - D A T A E X P L O S I O N

■ TURN KEY SOLUTION

The engineering data workflow must become more effective if collaboration in the supplier chain is to be improved and development cycles shortened. Because exchange processes are becoming increasingly complex, optimizing the data flow means automating the data flow. Who can guarantee that the right data is made available at the right location and at the right time if the process is controlled manually?

2.

COMPLEX EXCHANGE PROCESSES REQUIRE

PROFESSIONAL SOLUTIONS:

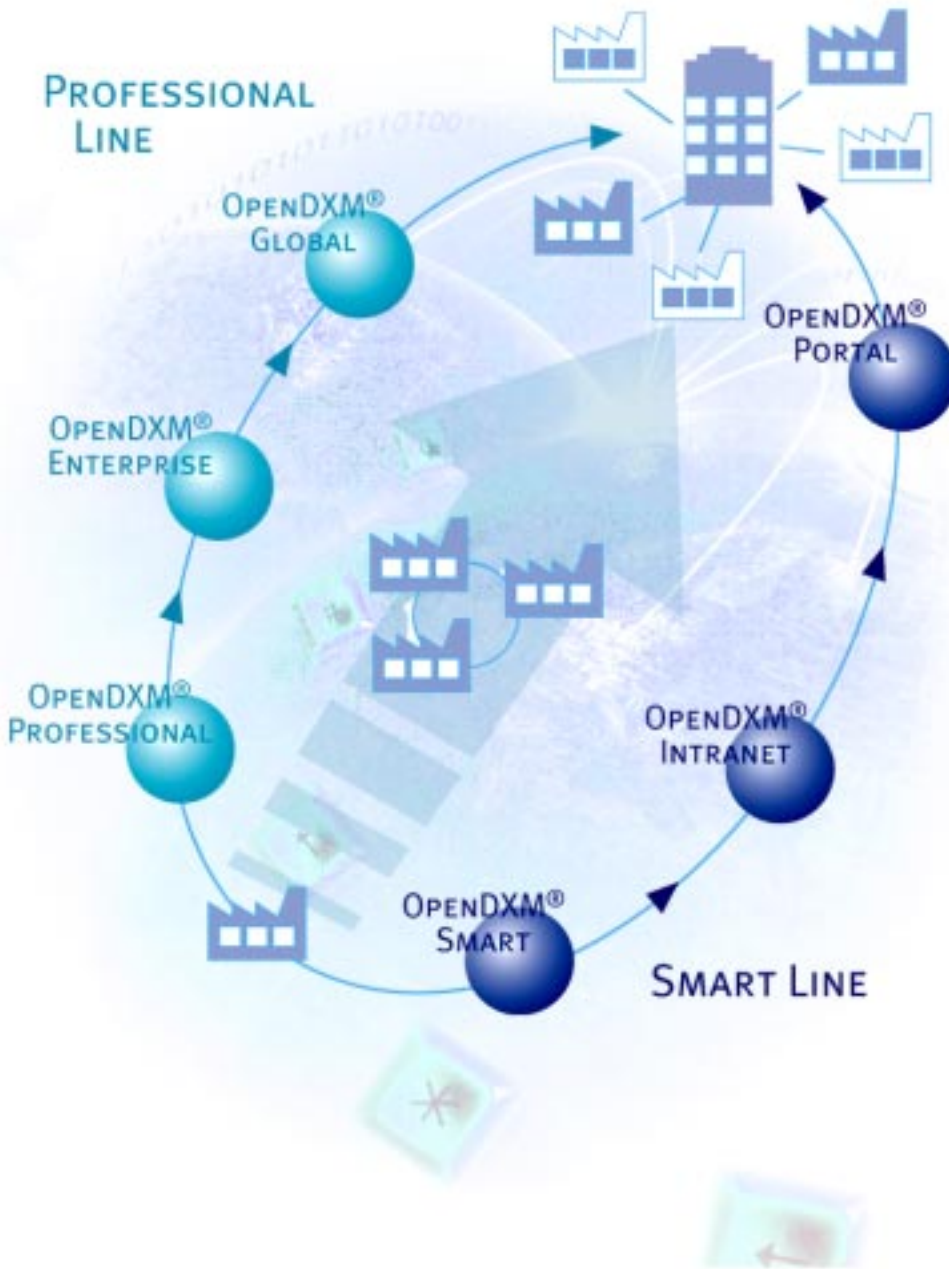
USERS WANT TO SEND THEIR DATA WITH A MOUSE CLICK, KNOWING THAT THE DATA WILL ARRIVE SAFELY AT ITS INTENDED DESTINATION.

Companies need software solutions that allow them to

- automate all their internal and external exchange processes,
- ensure the quality of incoming and outgoing data,
- keep track of what version of which data has been sent to whom and when,
- integrate all their globally distributed development sites, partners and suppliers in the engineering data workflow.



OPENDXM® PRODUCT LINES



0.2 WORK SPIRIT

■ WE UNDERSTAND WHAT YOU NEED

Regardless of whether you need a tool for a central service department, an Intranet solution for enterprise-wide data exchange or a Web portal for your suppliers, our family of products offers the appropriate solution to meet all your needs.

The modular structure of the OpenDXM® software family allows solutions to be tailored to your current and future needs.

We are a solution provider who understands your processes, and we are in a position to provide you with the support you need to implement the solution you require.

Our specialists have years of experience and

- can support the optimization of your data exchange processes,
- integrate the OpenDXM® software in your existing IT system environment,
- guarantee efficient and cost-saving project management.

■ 3.

PROSTEP PROVIDES SOLUTIONS TODAY THAT SATISFY TOMORROW'S NEEDS.

WE UNDERSTAND YOUR PROCESSES.

4.

DEVELOP ONCE DEPLOY OFTEN

THIS IS THE PRINCIPLE THAT OPENDXM® USES TO OPTIMIZE YOUR EXCHANGE PROCESSES.

ONCE AND FOR ALL

OpenDXM® allows you to define your exchange paths and processes once and make them available to users worldwide. Engineers no longer need specialized data exchange knowledge and also no longer need to monitor the transfer of their data since the software monitors and logs all exchange processes.

The client/server technology allows you to use OpenDXM® solutions in heterogeneous system environments. All the user needs to use is a Web browser.

Administration via Web browsers provides a significant degree of flexibility in maintaining your engineering workflow database from any company site.

If you are converting large volumes of data, the OpenDXM® solution distributes the conversion processes over different workstations.

Automatically generated information files (e.g. ENGDAT, GALIA) and notification e-mails ensure a high level of process reliability and the greatest possible flow of information.

The automatic logging of the entire process chain (conversion, quality checks, transmission) ensures a transparent and reliable engineering data workflow.

Optional modules for CAD and EDI systems make it easy for you to exchange data and save time.

The available CAD modules automatically determine all the components in an assembly structure, while tasks such as conversion, quality checks and compression are executed in the background.



OPTIMIZING EXCHANGE PROCESSES

Components from the OpenDESC® product family make it possible for you to use the OpenDXM® solution as a conversion pipeline for a customer-specific engineering data workflow.

Integration packages for PDM and TDM systems allow your users to control and monitor the engineering data from your PDM/TDM system.

In conjunction with the integration platform OpenPDM® from PROSTEP, OpenDXM® also automates the exchange of structure and metadata between various PDM/TDM systems.

OpenDXM® allows you to set up a supplier portal for the engineering data work flow that offers a high level of automation and thus helps you to reduce costs.

The scalability of the solution means that your investment is secured over the long term.



0.3 START NOW

■ FOLLOW THE EXAMPLE

5.
YOU ARE NOT THE FIRST:
HUNDREDS OF COMPANIES ALREADY USE
OPENDXM® TO AUTOMATE THEIR EXCHANGE
PROCESSES AND THUS SAVE TIME AND
MONEY.

Hundreds of customers from the automotive and aerospace industries and other branches of industry use OpenDXM® to optimize their internal engineering data workflow and the exchange processes with their partners and suppliers. These customers include wellknown companies such as Bertrandt, Bosch, Conti Teves, Delphi, EADS, Faurecia, Fischer Automotive, Getrag Ford, Grundig, Hengst, INA-Schaeffler, John Deere, KUKA, Magna, MAN, Miele, Opel, Porsche, R cker, Siemens VDO, Toyota, TRW, Valeo and ZF.

The following examples illustrate the flexibility of the solutions:

- The Brose Group, which manufactures adjusting systems for vehicle doors and seats, maintains a number of development sites worldwide and works as a system integrator with a growing number of partners. Online data exchange with OpenDXM® has reduced the time involved by 70 percent.
- Europe’s largest aircraft manufacturer, Airbus, is developing the new wide-body aircraft A380 at several different locations together with a large number of development partners. Within this development network, Airbus Deutschland has implemented a central OpenDXM® enterprise solution which is being used for the engineering data workflow at all the locations. Integration of the OpenDXM® client into the PDM system ENOVIAVPM allows Airbus to send the CAD data directly from the data management system, thus ensuring the smooth, transparent and time-saving flow of data in both the internal and external development networks.
- Together with PROSTEP, Conti TEMIC microelectronic GmbH in Ingolstadt, one of the leading manufacturers of automotive electronics, is setting up a portal for supplier integration. The aim of the portal is to increase the level of transparency, control and process reliability with regard to collaboration with suppliers.

- BMW develops its vehicles at worldwide located sites and with a number of different partners – a situation that requires a continual engineering data flow. BMW annually moves a volume of many terabytes using an OpenDXM® solution involving 14 servers distributed around the globe and replicated databases.

The use of OpenDXM® saves time with the preparation and execution of data exchange processes.

But this is not the only benefit:

- The quality of the data that leaves your company could not be higher.
- You save money as modifications resulting from communication errors do not occur.
- You ensure that all data exchange processes are transparent, thus placing yourself firmly on the safe side with regard to product liability.

The scalability of the solution reduces the costs involved for the initial installation, thus giving you a fast return on investment. You can, of course, ask PROSTEP to support you with implementation and customisation services for your OpenDXM® solution.

6.
IT IS IMPORTANT THAT YOU
OPTIMIZE YOUR COMMUNICATION
WITH CUSTOMERS AND PARTNERS.
WE KNOW HOW.
**PLACE YOUR TRUST IN
THE MARKET LEADER.**

PROSTEP SOLUTIONS

 **OPENDESC**

CAD INTEGRATION MADE EASY

 **OPENDXM**

SOLUTIONS FOR THE ENGINEERING
DATA WORKFLOW

 **OPENPDM**

PRODUCT DATA MANAGEMENT
WITHOUT LIMITS

**INTEGRATE, CONVERT,
AUTOMATE**

COMMUNICATION IS THE PACEMAKER FOR
GLOBAL COLLABORATION



FOR FURTHER INFORMATION
WWW.PROSTEP.COM

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PROSTEP
integrate the future

PROSTEPAG
Dolivostraße 11
D-64293 Darmstadt
Phone: +49-61 51-92 87-0
Fax: +49-61 51-92 87-3 26
www.prostep.com