

PDTnet Project

Product Data Technology and Communication in an OEM and Supplier Network



Application Scenario 1: PDM Data Exchange

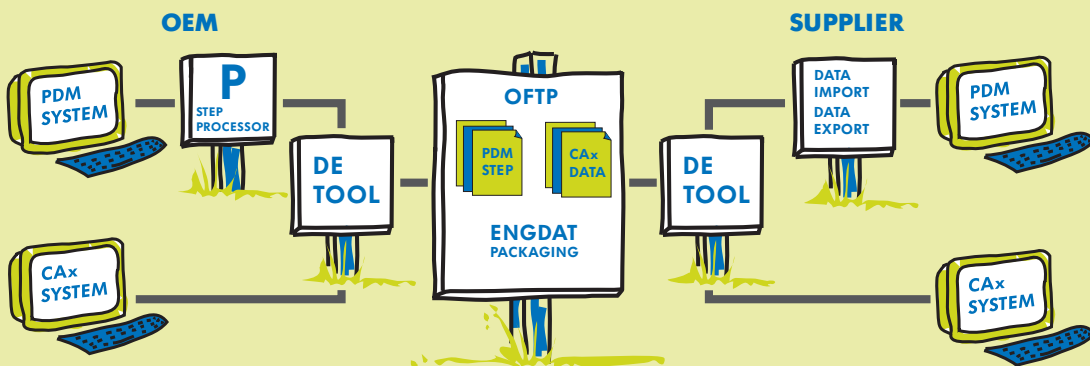
The Basics

- File based product data exchange between development partners
- Development of universal methods for asynchronous product data exchange
- Providing processes for data exchange with partners without PDM systems
- Using ISO 10303 STEP AP214 for physical file exchange

The Scenario

A) PDM systems at both partners

- both, OEM and supplier, operate a PDM system
- PDM as well as CAx data are selected for exchange
- the OEM's data exchange tool sends the ENGDAT packages via ENX® to the supplier's data exchange tool and vice versa
- the data exchange tool separates PDM from CAx data
- the product data is filtered through a data import/export tool and then forwarded to the supplier's PDM system
- the user can view the received data



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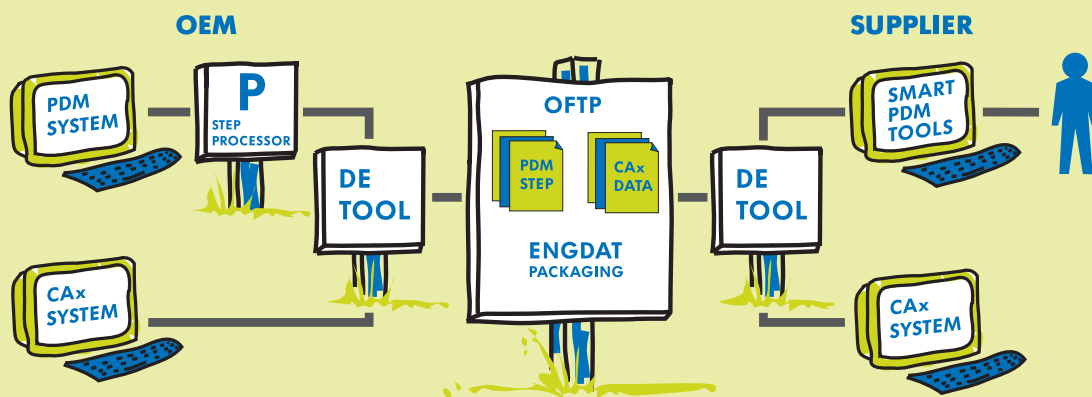
...T...Systems...

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B) Supplier using a Smart PDM Tool

- only the OEM operates one or more PDM systems
- PDM as well as CAx data are selected for exchange
- the OEM's data exchange tool sends the ENGDAT packages via ENX[®] to the supplier's data exchange tool and vice versa
- the data exchange tool divides PDM from CAx data
- the product data directly enters the Smart PDM tools
- the user can view the received data



The Benefits

- Well defined processes for exchange of multi-level assemblies and delta exchange
- Approach for product data exchange with partners without PDM system
- Pilot testing of tools that support the exchange of data with such partners (Smart PDM Tools)

The Results

- White Paper for PDM Implementation: use cases and scenarios, technical approaches and recommendations for PDM integration derived from the results and experiences of the PDTnet project and other projects
- ENX Best Practices: collection of experiences for the use of ENX[®] for PDM integration

Visit www.pdtnet.org for publicly available project results.