OpenPDM – AP242 Capabilities
STEP AP242 Day November 27, 2019
The PROSTEP Group

25 Years Experience - 230 PLM Experts - 200 Customers - 12 Locations

- Founded in 1993
- Offices
  - Darmstadt (headquarter)
  - Berlin, Hamburg, Hanover, Cologne, Munich, Saarbrücken, Sindelfingen, Stuttgart, Wolfsburg
  - USA: Birmingham (MI)
  - Poland: Wroclaw (from Q4/2019)
- Revenues Group: ca. 38 Mio. €
- 280 Employees
- TOP-shareholders:

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PROSTEP - 100% PLM

Who we are – What we offer

PROSTEP is
- an expert for PLM processes and solutions
- the leading vendor-independent PLM consultant for the discrete manufacturing industry
- 25+ years of industry background - 230 PLM experts - 200 customers - 12 locations
- partner of leading PLM vendors

Selected reference customers

- DAIMLER
- KUKA
- SIEMENS
- IBM
- SAP
- ptc
- Dassault Systèmes
- Bombardier
- BOSCH
- Kärcher
- BENTELER
- RECARO
- CLARIS
- TVS
- Volkswagen
- Mahle
- DEUTZ
- AEG
- ALLIO
- ALSTOM
- KHS
- ALILA
- ABB
- Enercon
- Meyer Werft
- Continental
- Diehl Aerospace
- Valeo
- STRONA
- KBA
- Balfour Beatty
- ABB
- Diehl Aerospace
- Enercon
- Meyer Werft
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- Diehl Aerospace
- Valeo
- STRONA
- KBA

PROSTEP offers
- PLM strategy consulting
- PLM concepts and solution architecture
- PLM implementation
- own products to build PLM integration & collaboration solutions
PROSTEP and prostep ivip Association

A strong alliance

The prostep ivip Association
- Industry and research platform
- Standardization strategy
- Worldwide collaboration

The PROSTEP Group
- The PLM specialist
- Powerful integration solutions
- Years of PLM know-how gained in the field
PLM Integration, Collaboration & Migration

OpenPDM: One Solution for all Use Cases

**INTEGRATION**
- PLM data synchronization between various systems and domains
- Consistent and automated processes
- Background operation with minimal user interaction

**COLLABORATION**
- Integration of data from partners, customers and suppliers
- Reliable and transparent processes
- Check of data quality

**MIGRATION**
- Controlled migration of huge data volumes
- Co-Existence of old and new system to minimize migration risk
- Lower complexity by splitting into packages

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OpenPDM Connectivity
Connectors to integrate your PLM World

CAX
- Dassault CATIA 3DEXP
- Dassault CATIA VS
- Siemens NX
- PTC Creo

Others...
- PROSTEP PDFGen3D
- PROSTEP OpenDXM GlobalX
- Data Bases
- Your Legacy System

Interfaces
- Web Services
- OSLC
- ASCII
- XML
- STEP

Data formats
- PDM / PLM
- PDM / PLM

- PTC Integrity LCM
- IBM RTC
- ... 
- ILC
- 4PEP
- SAP
- SAP PLM

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OpenPDM STEP

STEP Toolkit

- In-house STEP Toolkit
- Java Based
- In productive use at several customers since 10+ years
- Used to implement solutions from stand-alone tools and to fully-integrated solution
Full Stack Support for STEP AP242 BOM XML

STEP Toolkit

AP242 BOM XML

Costumer Specific Mapping

Recommended Practises Implementation

Data Model

Serialization

Parsing
Example: Teamcenter / AP242 Integration

- Integration between AP242 BOM XML File and Teamcenter
- Read / Write based on Recommended Practises
- An out-of-the-box solution for a standard problem
- Tested at AP242 benchmark
Example: Long Term Archiving

- Solution for an automotive producer
- Automated process for extracting and archive formate creation
- Archive format uses a combination of
  - PDF as container format and metadata visualization
  - 3D PDF for 3D Visualization
  - AP242 BOM XML as metadata archive format
Example : Data Exchange

- Solution for an automotive producer
- Provide metadata and product structure for suppliers
- Replaces process using AP214 / pdtnt
THANK YOU!

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