DASSAULT SYSTEMES

3DEXPERIENCE® CONFERENCE

SEPTEMBER 14-15
DARMSTADT | GERMANY

Migration from ENOVIA SmarTeam to 3DEXPERIENCE under the usage of the xPDM adapter at Preh GmbH

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Managing Director
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AGENDA

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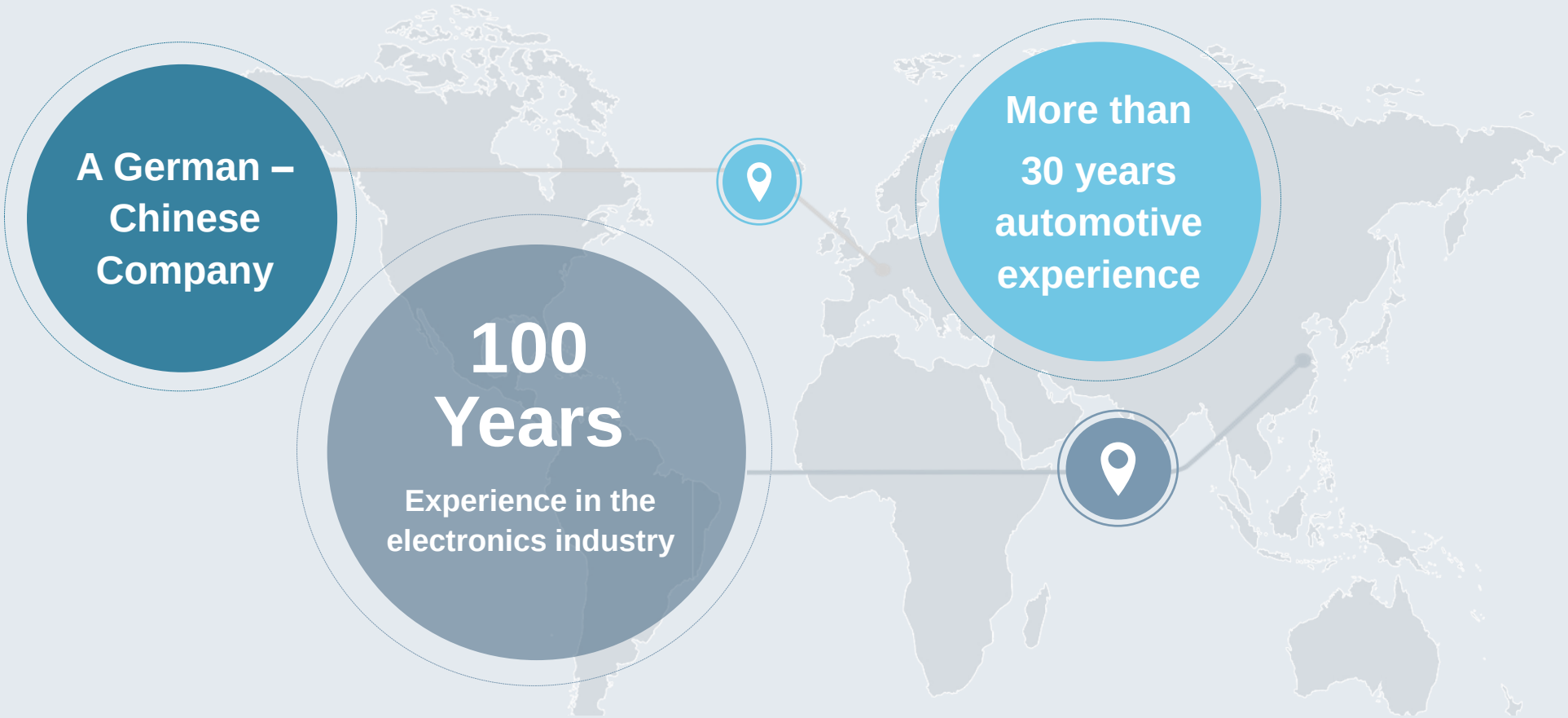
Introduction

Project Objectives & Requirements

Solution Overview

Use Cases

WHAT IS SPECIAL ABOUT PREH



The perfect combination of access to growth markets, high-tech know-how and cost efficiency

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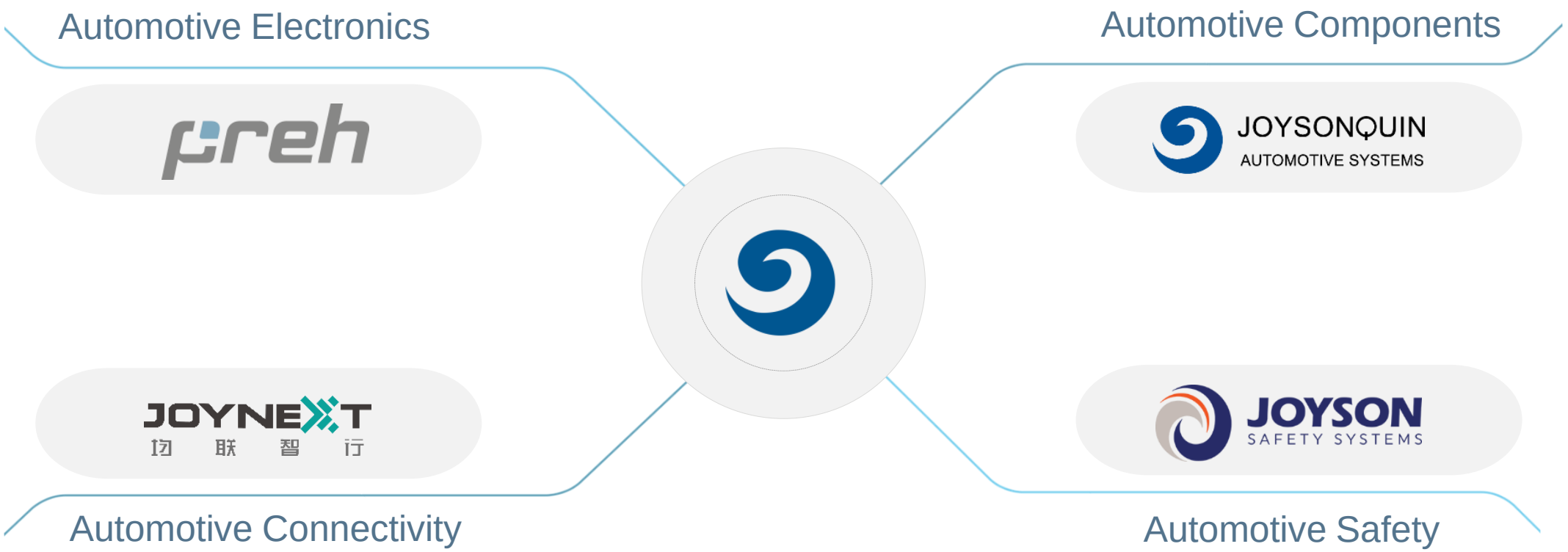
JOYSON GROUP OVERVIEW



Joyson Electronics Group is one of the largest automotive suppliers globally:
>100 locations in 30 countries; more than 50,000 employees; turnover about € 6 Bn (2021)

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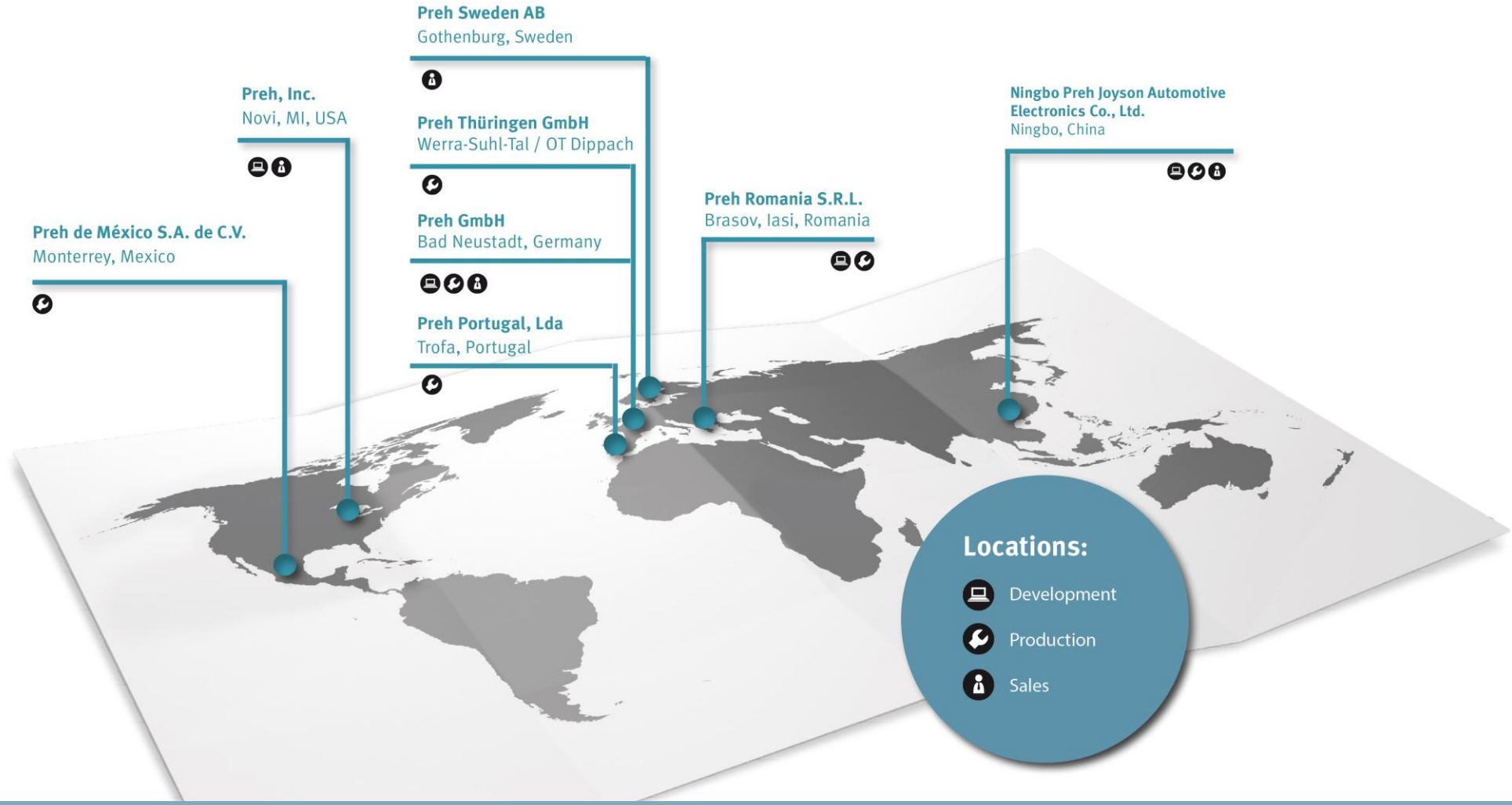
OUR LOCATIONS



3 Sales Regions / 6 Production Plants / 4 R&D Centers

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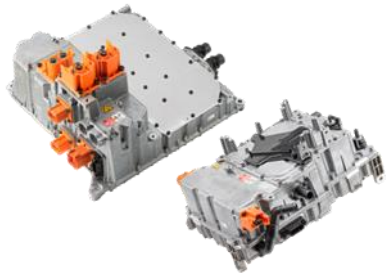
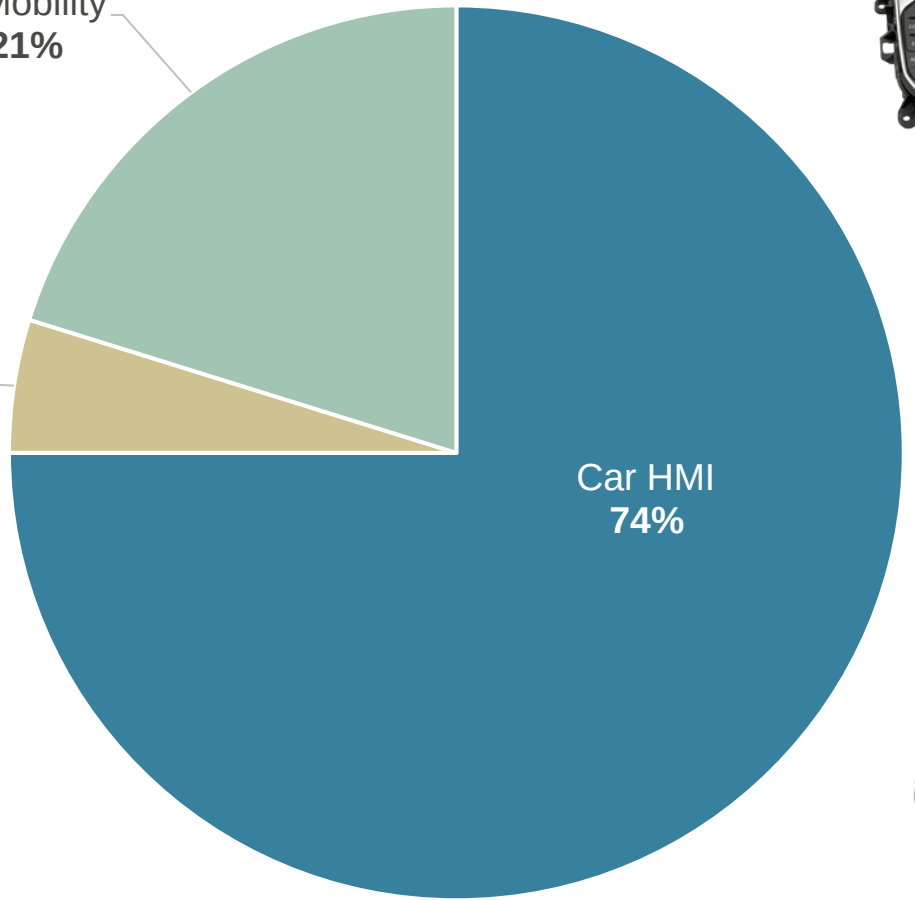
SALES BREAKDOWN BY PRODUCT DIVISION





HMI = Human Machine Interface

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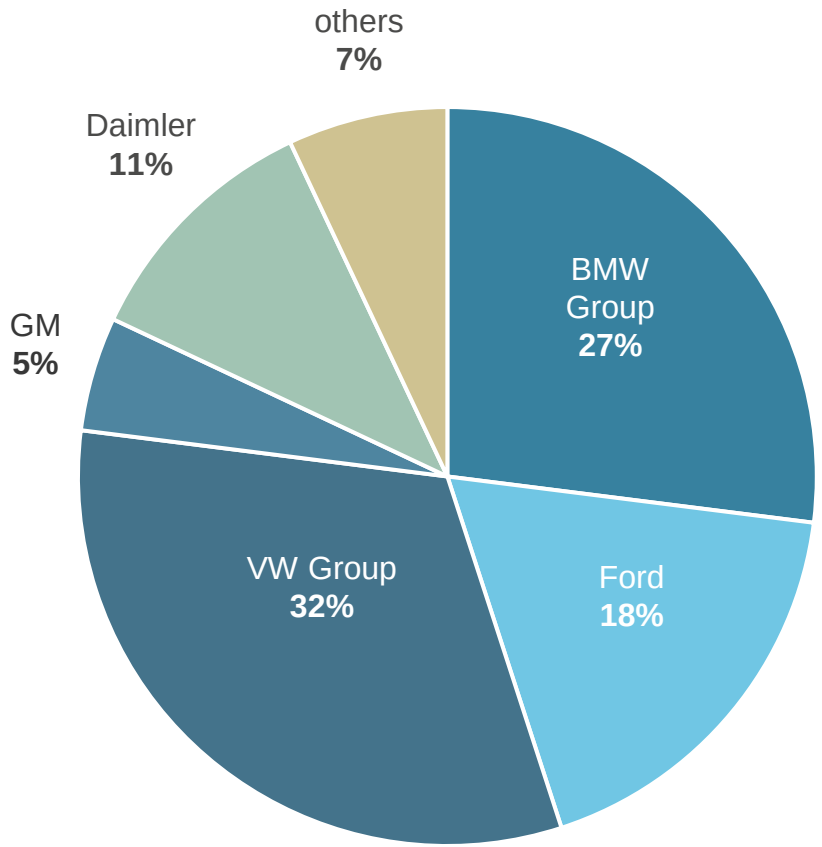
PREH GROUP CUSTOMERS



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Introduction – valexcon GmbH

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- valexcon GmbH, established in April 2021, founded by a group of former IBM Deutschland GmbH employees, is focussing on the delivery of Dassault Systèmes related PLM Services

- valexcon GmbH is a Dassault Systèmes CSI Partner

- valexcon GmbH proposes a whole set of services and solutions for the PLM market
  - Program- and Project Management
  - Advisory and Implementation Consulting
  - Customization and Development of Software Modules
  - Technical Support and Maintenance Services
  - Data Migration Services

- valexcon GmbH is a highly skilled team that have made key contributions to over 100+ PLM projects worldwide

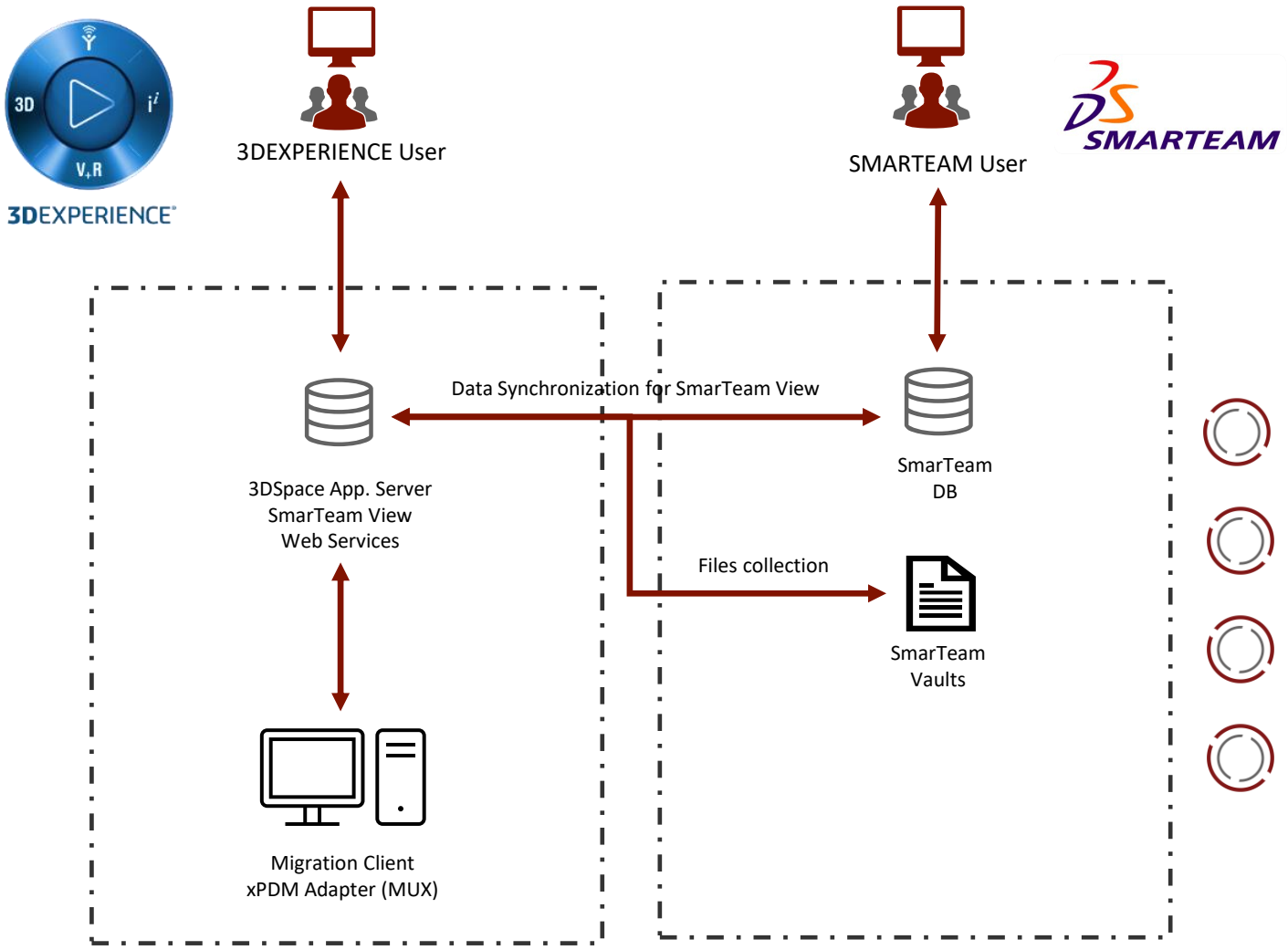
Project Objectives & Requirements

- Transition from ENOVIA SmarTeam Multisite Environment (6 sites) to 3DEXPERIENCE
- Migration of all the mechanical design department‘s data from SmarTeam – CATIA V5 to 3DEXPERIENCE – CATIA V5 including non-CAD documents
- Big bang migration not possible due to large amount and complexity of data
- Co-Existence of both application with share of ownership needed
- Migration need to meet R&D Timeline
- Migration of full version history needed
- Project based migration

Project Roadmap

- June 2021 – Project Kick-Off
- September 2021 – First pilot implementation of the 3DX SmarTeam View ready
- January 2022 – First Migration Use Cases ready for testing
- May 2022 – First project migration and productive Go-Live with ca. 40 users
- July 2022 – Next project migration – ca. 60 users productive in 3DEXPERIENCE
- Q4 2022 – Full production Go-Live

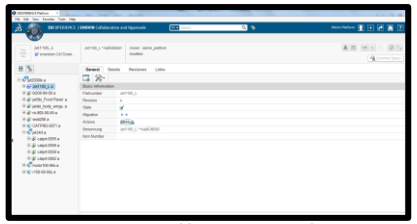
On Demand Migration Suite - Solution overview



- Data Synchronisation with JDBC connector
- Business Logic module on 3DSpace server
- Additional Application SmarTeam View
- Migration client with incl. MUX module
  Migration to UPS CV5 or 3DEXPERIENCE CATIA

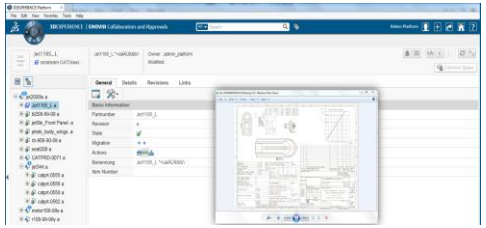
Use Case No. 1: SmarTeam View via 3DEXPERIENCE

SmarTeam
Document Information



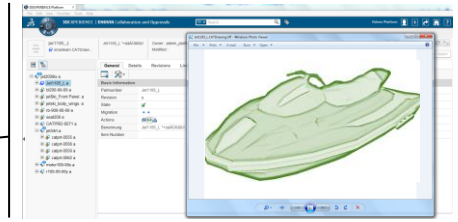
Access to all original SmarTeam
Document / Item / Workflow Meta Data

SmarTeam
Document Information



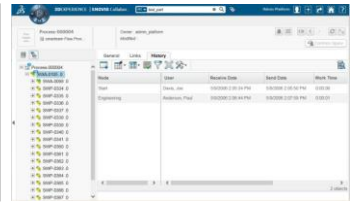
Viewing of Vault files

SmarTeam
CATIA View



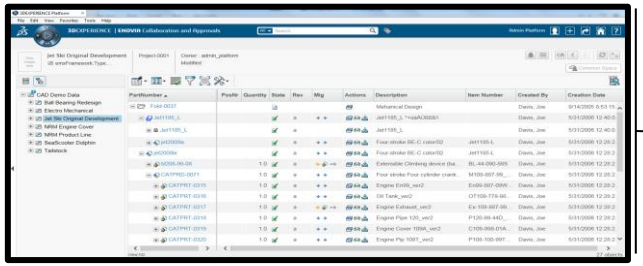
Load CATIA/SolidWorks
Files into CATIA/SolidWorks
session for read only

SmarTeam
Workflow View

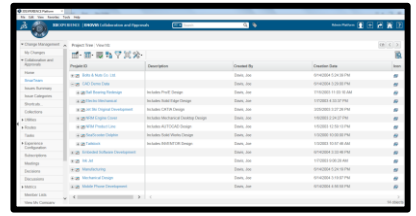


View Status of Workflow within
SmarTeam

Search for Document / Item tree
View of Project & Document



Direct search for document item tree or use link from project tree
to document tree. Both trees will be displayed within the

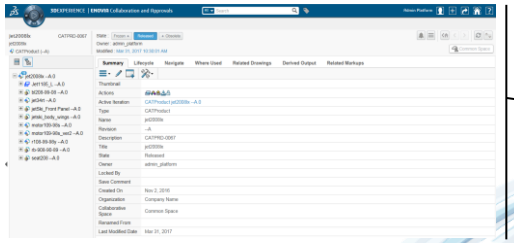


Project view via 3DExperience

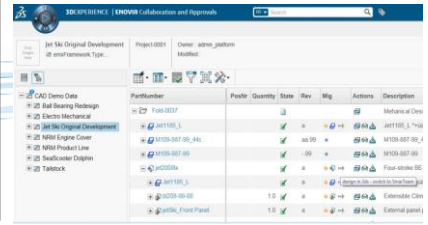
Use Case No. 2: Data Migration

New 3DExperience Structure

As result of the migration a new structure within 3DExperience is available

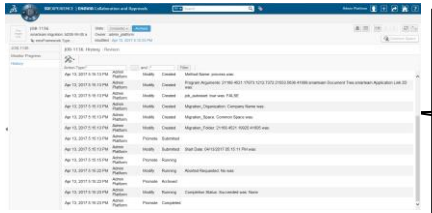


Ownership moved from SmarTeam to 3DExperience

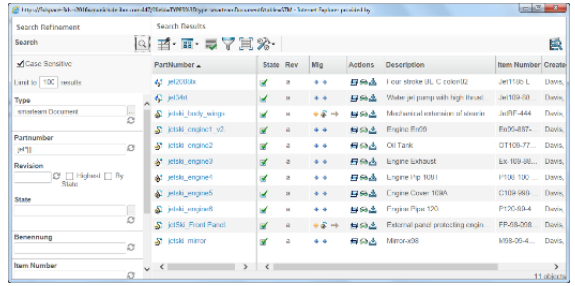


Migration finished. User can work within 3DExperience

Migration History
Define and manage equipment software configuration

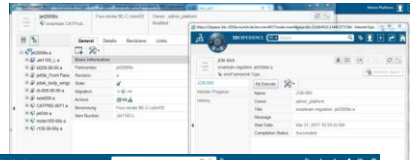


Migration Documents from SmarTeam inside 3DEXPERIENCE

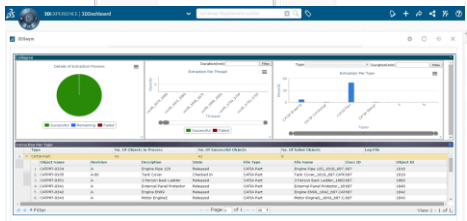


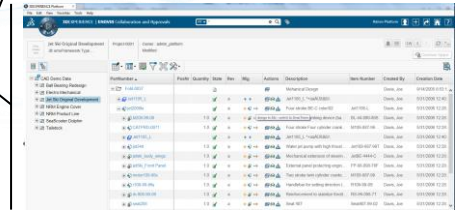
Search Item / Document tree for migration

Job Control Migration is running as background job in 3DEXPERIENCE



Monitoring Migrated Parts, Assemblies in 3DEXPERIENCE





Flag the top level to be migrated and all objects underneath are flagged for migration

Use Case No. 3: Co-Existence SmarTeam & 3DEXPERIENCE

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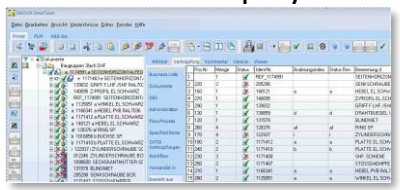
No big bang data migration.
SmarTeam user who are not migrated will still use SmarTeam

SmarTeam will be faced out step by



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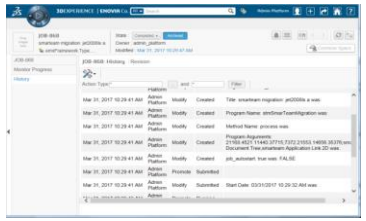
SmarTeam could be used for small changes if needed

If SmarTeam Licenses are available access is still possible – parallel scenario

Ownership & Moving History

All transactions are stored within 3DExperience job control history



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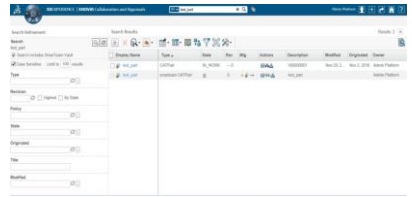
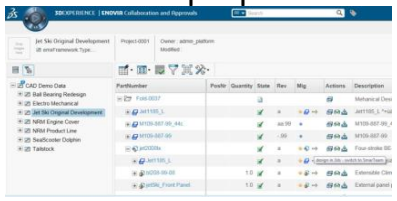
Combined Search Result



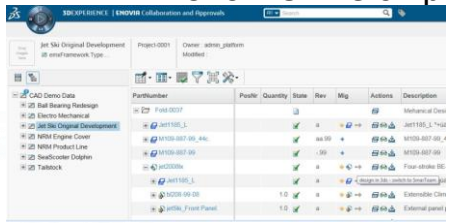
By using a special search the user will get a result of SmarTeam & 3DExperience objects in one view

Move Ownership Up & Down

Ownership could be moved between SmarTeam & 3DExperience whenever needed



Show Ownership



Check if ownership is located in SmarTeam or 3DExperience

Solution Outlook

- Widget Based SmarTeam View (3DDashboard)
- SmarTeam Item Structure migration
- 3DEXPERIENCE On Cloud Support
- SOLIDWORKS Support

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Thank You.

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