

# BEDIFFERENT

ACE GERMANY

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# CAD Integration Hands on

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Aras Partner Manager

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# Theory – Aras CAD Connector approach

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# What's New at Aras



## ▶ Hired Director of Product Management

- Extensive CAD integration & visualization experience

## ▶ Built out CAD Integration Platform

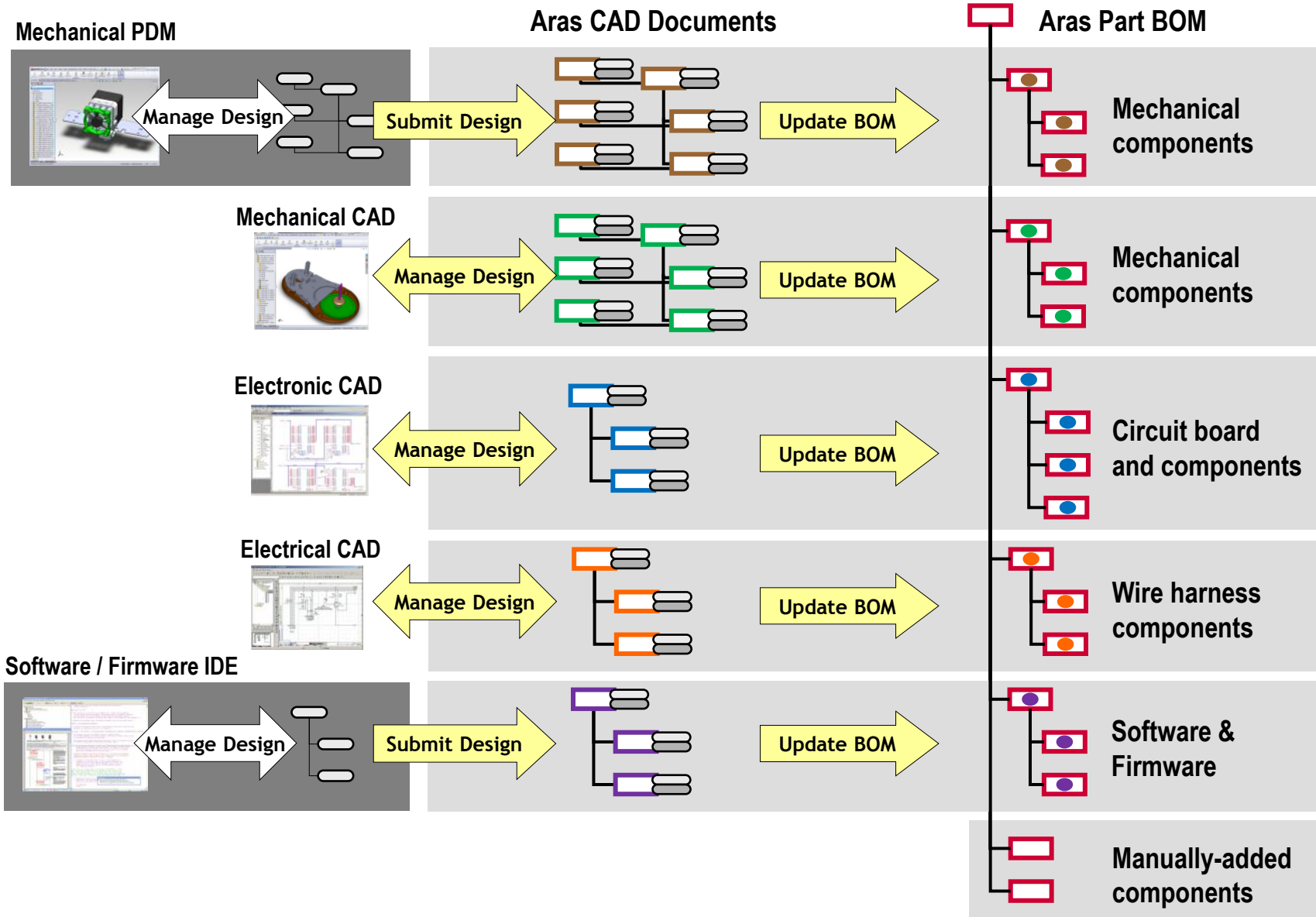
- Unified CAD Data Model
- High Performance API
- Optimized CAD Connectors

## ▶ Grew CAD integration partner ecosystem from 1 to 7

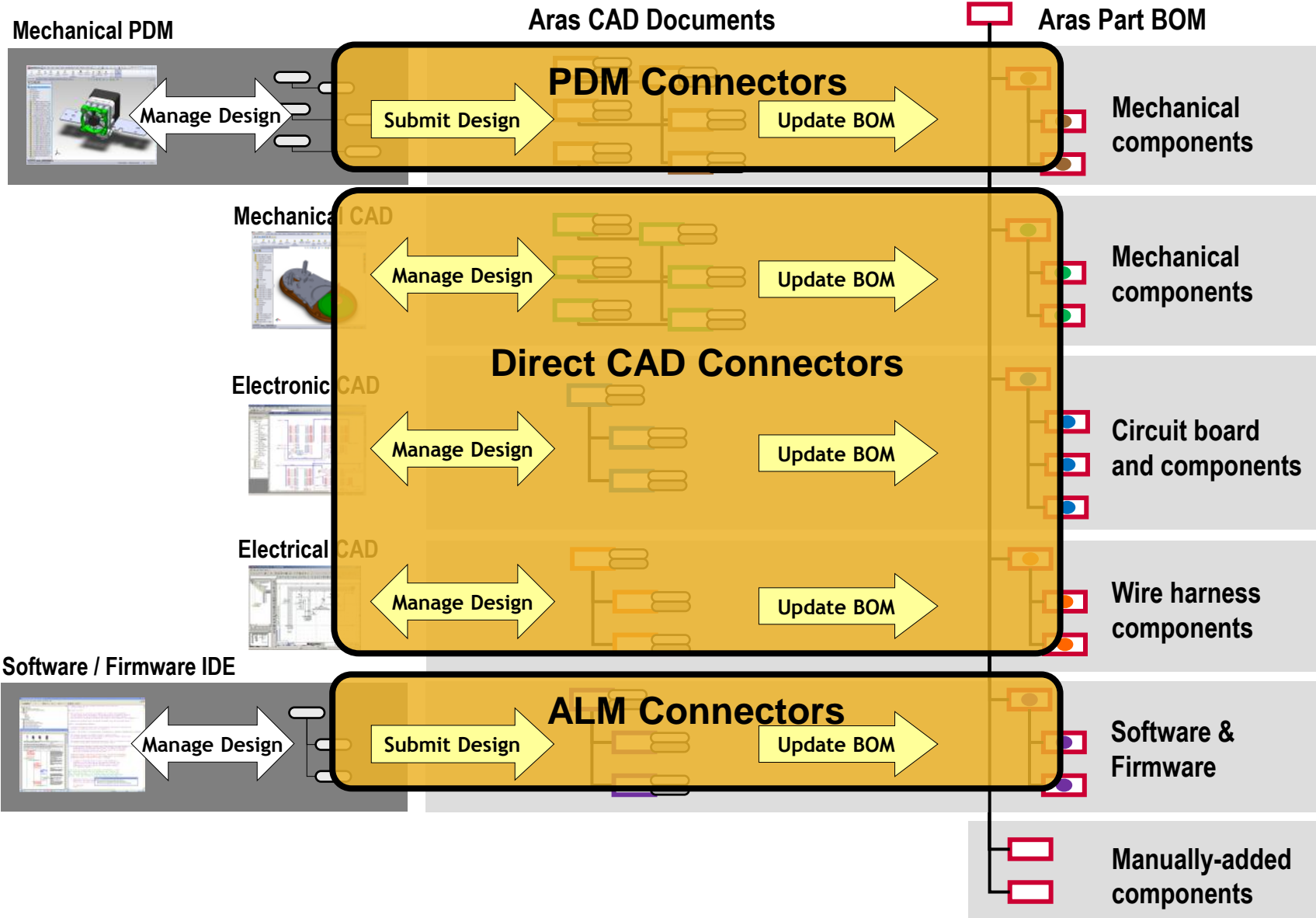
## ▶ Dramatic Improvements in Replication Technology

- Best-in-Class Highly Scalable Many-to-Many Replication
- Unique Point-to-Cloud Replication

# Aras CAD Connector Landscape



# CAD Connector Types

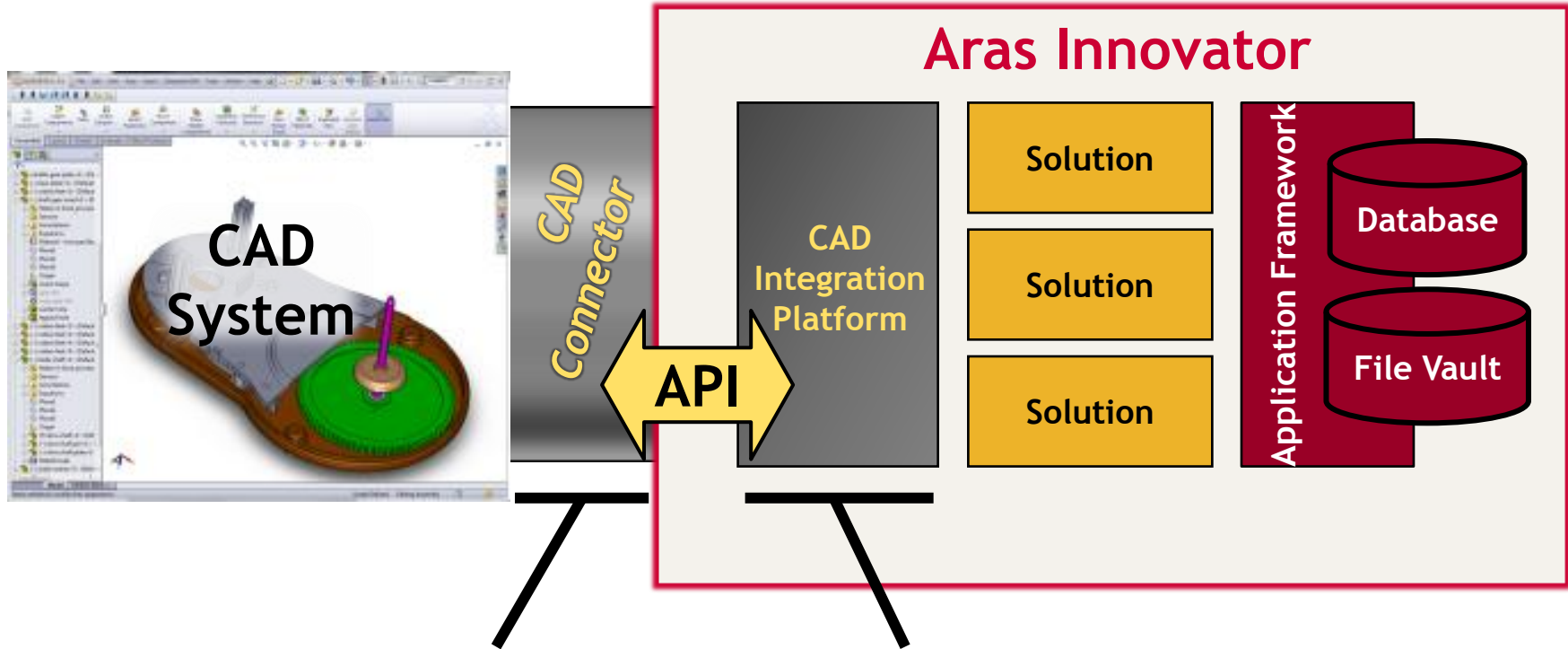


# Aras Approach for Multi-CAD



- ▶ Standardize the CAD Integration Platform
  - Allow CAD integration partners to optimize for each CAD system
  - Minimize costs of developing integrations
  - Enable connectors from different partners to “play together” well
  - Scalability, Security, Replication, Performance
- ▶ Provide customers with immediate out-of-the-box connector capability with ability to customize sustainably
- ▶ Build successful CAD integration “ecosystem” of Apps

# Product Components



## Partners Provide:

- Standard documented CAD Connectors
- Based on CAD Integration Platform
- Configurable to meet customer processes

## Aras Provides:

- Standard documented CAD Integration Platform
- Includes data model and APIs
- Guidelines provided to partners



# Aras CAD Connector Summary



## ▶ **Mechanical Design CAD Connectors include:**

- CATIA, NX, Creo, SolidWorks, Solid Edge, Inventor, AutoCAD

## ▶ **Electronic Circuit Board Design CAD Connectors include:**

- **Cadence:** Allegro HDL, Allegro, OrCAD Capture CIS and OrCAD PCB Designer
- **Mentor Graphics:** Board Architect, Design Architect, Board Station, DxDesigner, Expedition Capture, Expedition, PADS PowerLogic, PADS Schematic, and PADS Power PCB
- **Altium:** Designer, P-CAD Schematic, and P-CAD PCB

## ▶ **Electrical Wire Harness Design CAD Connectors include:**

- **Autodesk:** AutoCAD ecscad, AutoCAD Electrical
- **AUCOTEC:** Elcad, Engineering Base
- **EPLAN:** EPLAN Electric

# Live Demonstration

John Designer

**Jens Rollenmüller**

Aras Partner Manager

T-Systems

Rob Designer

**Andreas Zauner**

Aras Consultant

T-Systems

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**Systems** .....



# Hands on Process – Request



Request:  
High Pressure Cleaner with  
T-Systems branding.



# Hands on Process – Part 1

## ▶ Andi

- 1000x High Pressure Cleaner for T-Systems.

## ▶ Jens:

- Open a the CATProduct in CATIA V5
- Tell Andi there is a new version of chassis

## ▶ Andi:

- View new Version
- Request complete product

## ▶ Jens:

- Create new Version of top product.



# Hands on Process – Part 2



## ▶ Andi:

- View versions and check changes.
- Ask for new drawing.
- Create drawing.

## ▶ Jens:

- View Drawing in Webclient.



- ▶ **NX Connector by T-Systems**
- ▶ **CATIA Connector Version 3.3**
- ▶ **CATIA ↔ JT Conversion within Aras Innovator**
- ▶ **Advanced Viewer Integration**

## ACE Germany

# Questions?

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