Visualizing the JT Future

Chuck Grindstaff, EVP Products and CTO

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Siemens PLM Software

SEPTEMBER 12 -14

2010 International Conference

VISUALIZING THE FUTURE

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Overview

Open Enterprise Solutions

JT – Enabling Open Solutions

Siemens PLM and JT

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Open Enterprise Solutions

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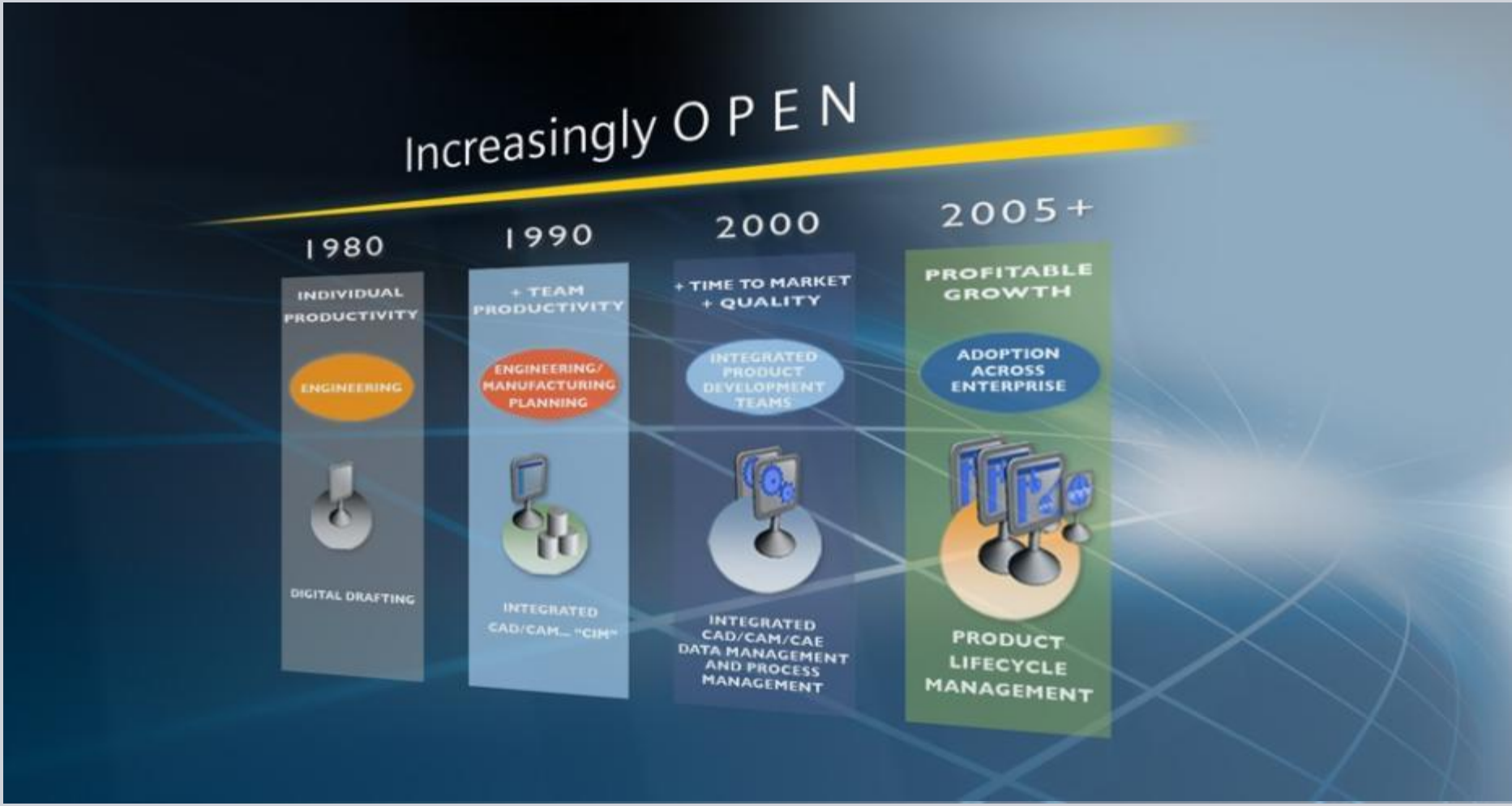
Enterprise Requirement for Open PLM Solutions



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Global Demand For Openness

- Best-in-class solutions for specific business processes, including commercial, legacy and proprietary systems
- Share and re-use knowledge and intellectual capital across their business enterprise
- Innovate with common processes in extended communities due to joint ventures, outsourcing, mergers and acquisitions
- Deploy technology on a shared architecture and common infrastructure

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The Importance of an Open PLM Platform

	OPEN	PROPRIETARY
Customer Pros	▪ Best in class solutions ▪ Easily integrated ▪ Promotes standards ▪ Personalization ▪ Competitive cost	▪ Single vendor to provide complete solution
Vendor Pros	▪ High adoption ▪ Requires richness ▪ Achieves robustness	▪ Captive audience ▪ OEM and supply chain ▪ Compliance required
Customer Cons	▪ Selection of a standard architecture a must	▪ Expensive to customize ▪ At the mercy of the vendor
Vendor Cons	▪ Each solution needs to compete under its own merits	▪ Inability to provide complete PLM ▪ Limited market responsiveness

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Requirements for Open Solutions

OPEN DATA MODEL
Enabling interoperability

OPEN BUSINESS MODEL
Leveraging standard, open components

OPEN ARCHITECTURE
Enabling integration

OPEN APPLICATIONS
Automation/customization

OPEN COMMUNITIES FOR INNOVATION
Promoting partner/customer communities

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JT – Enabling Open Solutions

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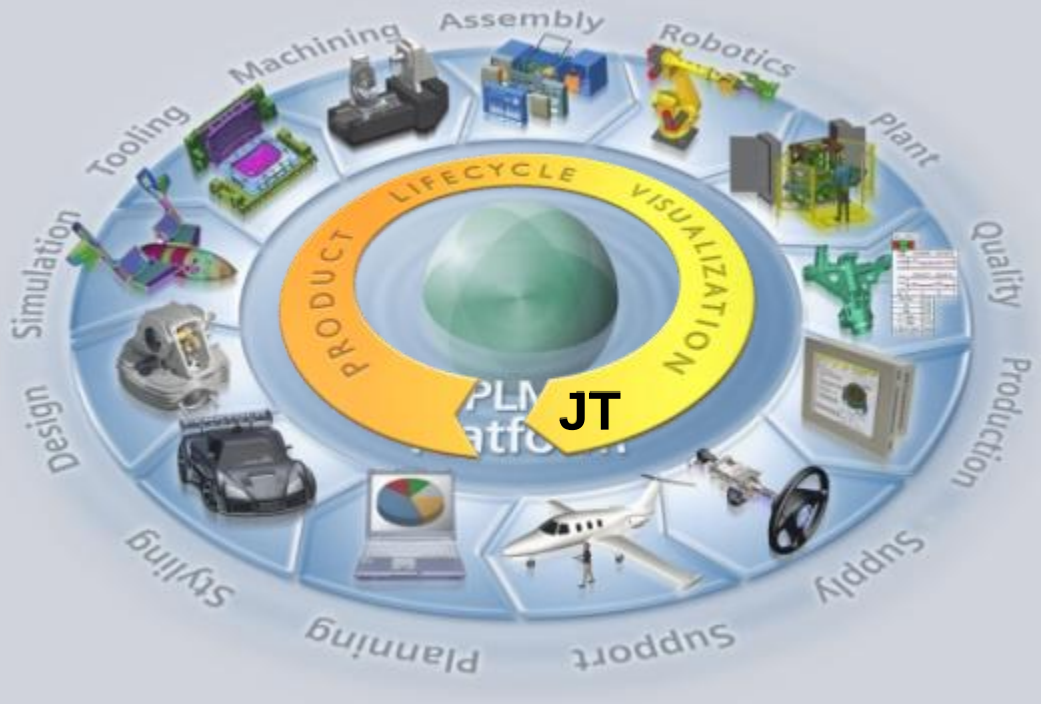
JT Vision Statement

To define the global standard for lightweight 3D data that drives consistency and quality throughout industry



JT is the common language of PLM

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JT deployed throughout business processes

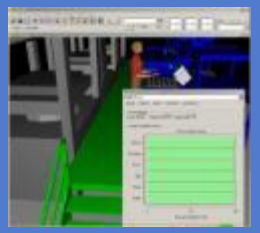
Specialist Validation

Styling Reviews

Immersive Design Review

Virtual Factory

Ergonomic Simulation

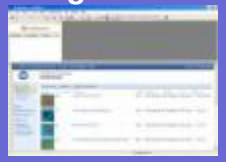


Core Engineering

Assembly Validation

PMI

Formal Design Review



Virtual Functional Build

Quality Validation

Spatial Digital Validation (RDV)

CAE Results

Ubiquitous Viewing

Technical Publishing

Adhoc Design Reviews

2D/3D View & Markup

PLM Workflows

Long Term Data Retention

Supplier Viewing

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JT deployed throughout product development organizations

- Manufacturing processes: Discrete Mfg, Process manufacturing, Architectural, Building and Capital Projects
- Industries: Shipbuilding, Automotive, Aerospace, High-tech electronics, CPG

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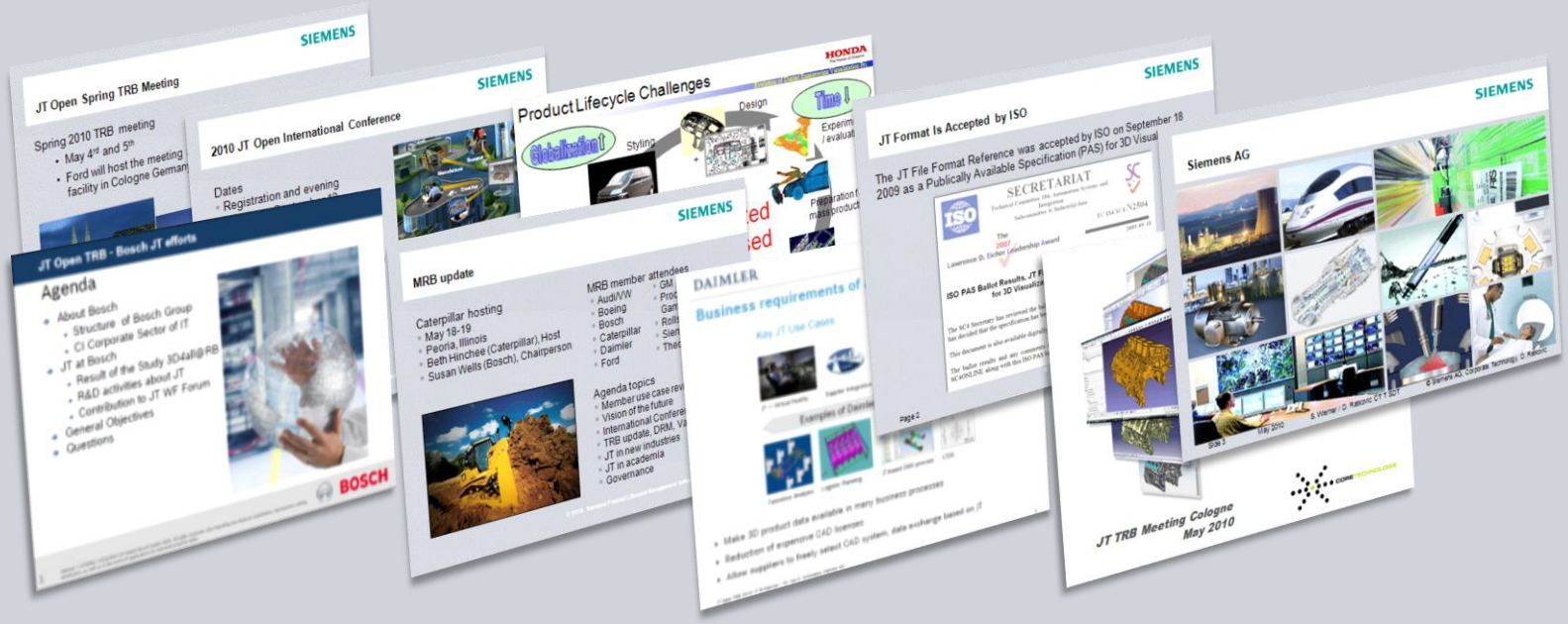
Continuing to Make JT the Standard - JT Open Program

A unique community of software users and independent software vendors committed to the widespread adoption of a single, open and preferred 3D visualization platform based on JT technology.



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Continuing to Make JT Available

JT Toolkit for JT Open Members

File format is published by Siemens

- Version 9.5 now available

File format is a ISO Publically Available Specification

- ISO PAS 14306

Initiated effort to have JT become ISO specification

- ProSTEP iViP driving ISO project
- ISO New Work Item - JT as IS 14306

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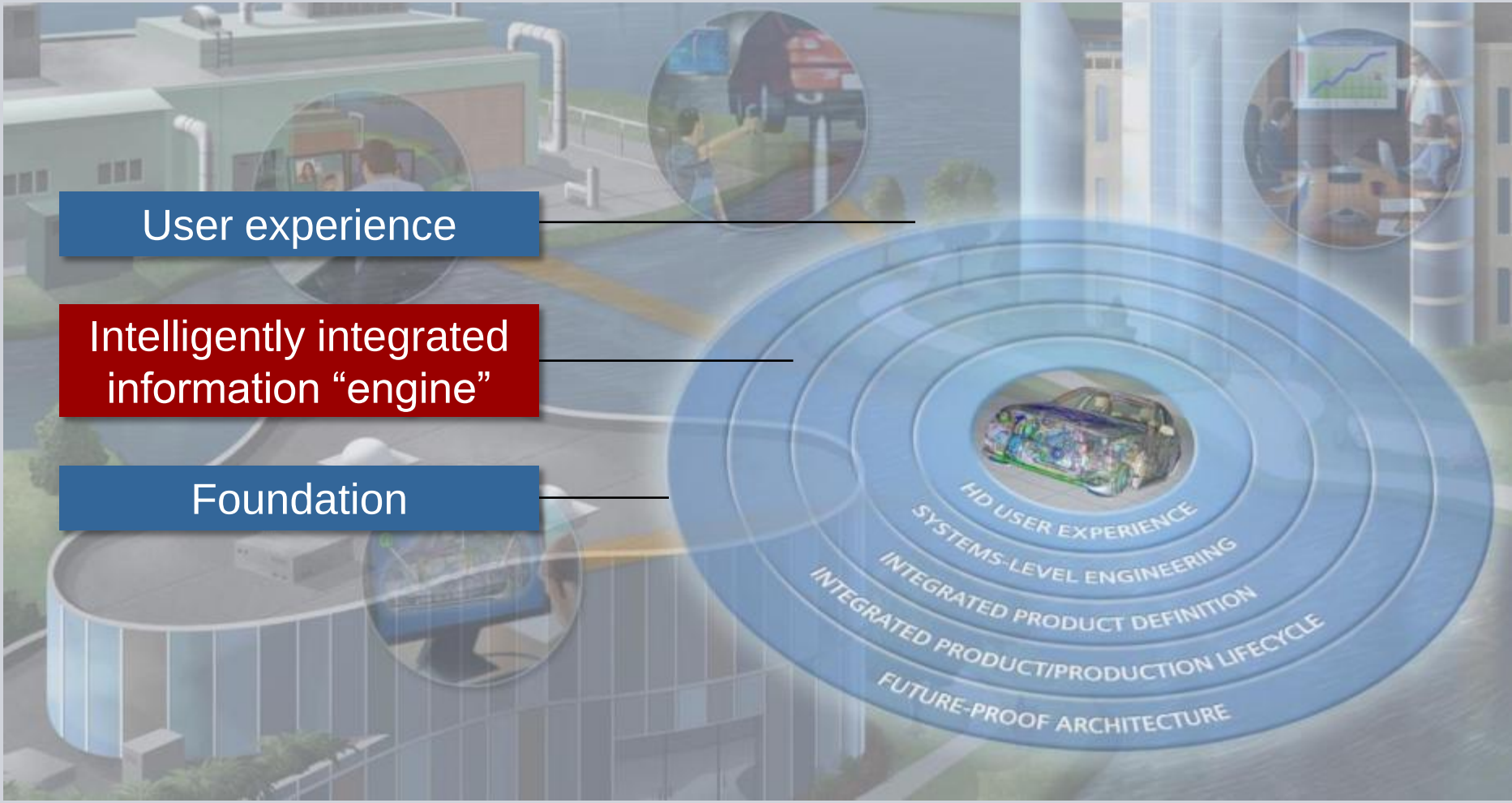
HD-PLM



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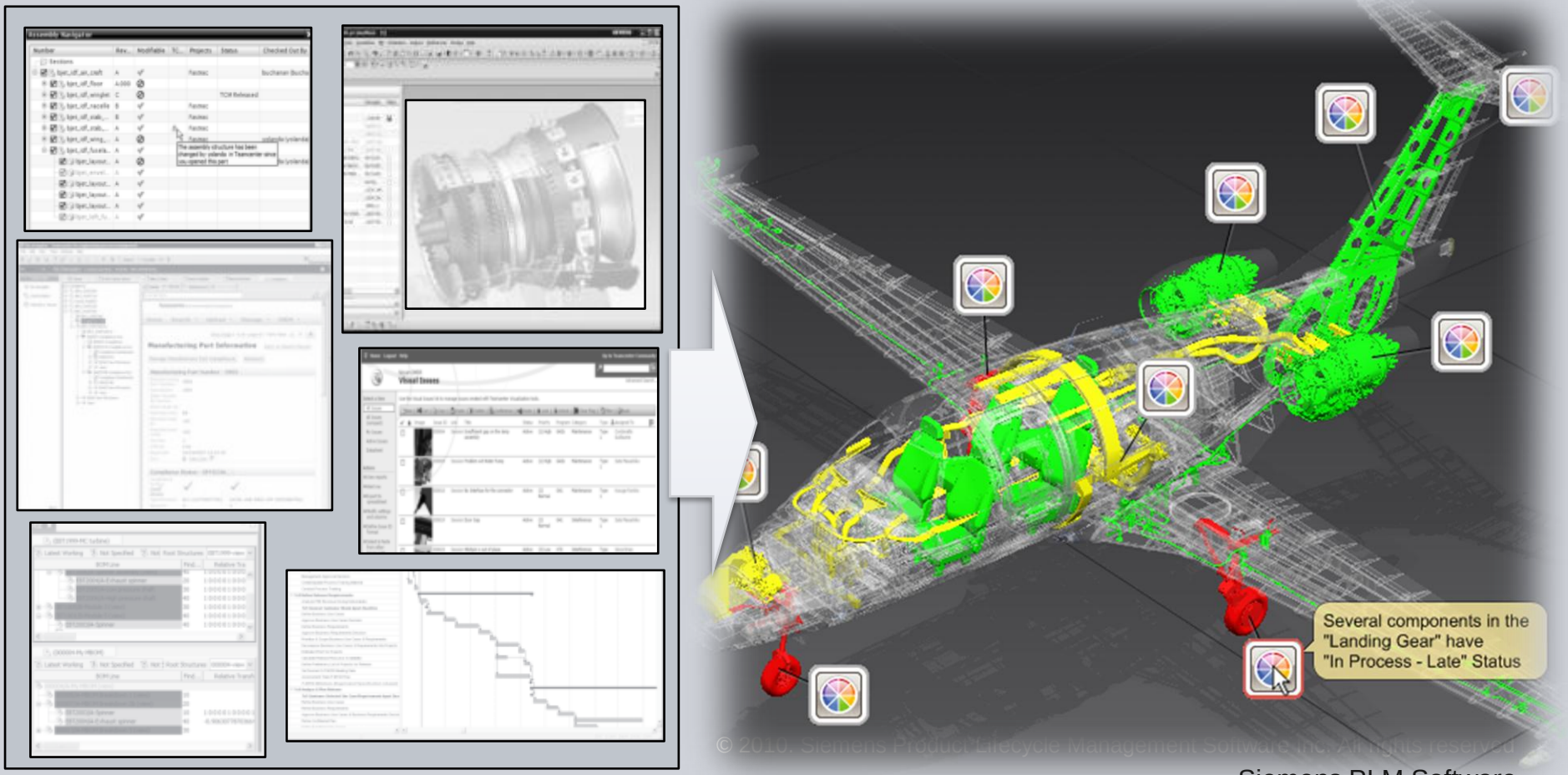
Continuing support for JT in Siemens PLM products

JT in HD3D - Visual analytics from multiple disjoint data sources in the context of 3D designs in a single interactive environment.



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JT - Visualizing the Future

JT as Geometry Master

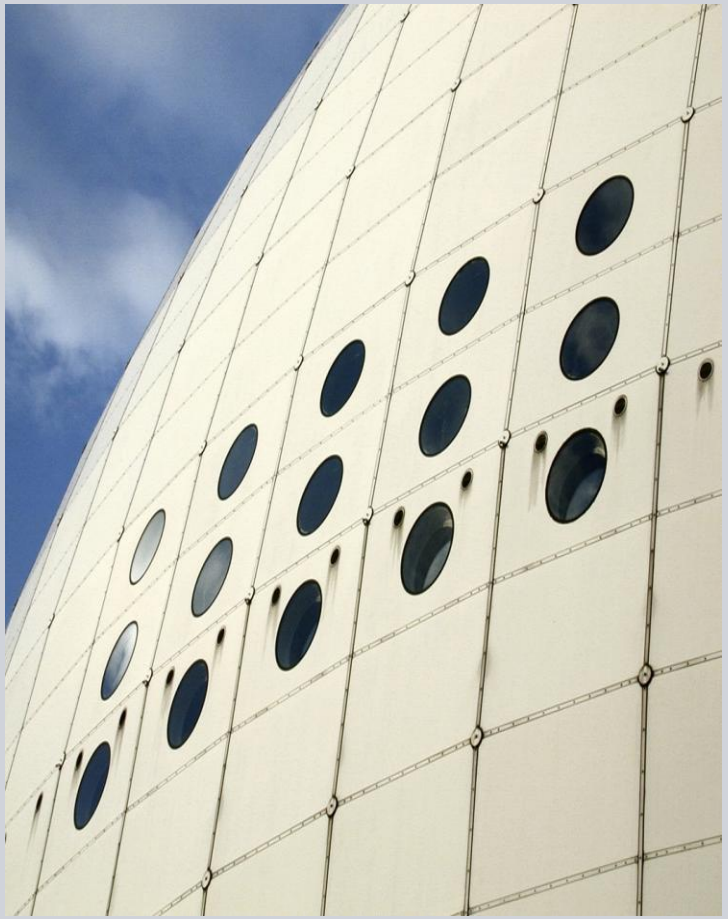
- PMI, Kinematics, CAE, Materials, Documentation

JT for Mobile Access

Social Communication

Fully Implemented International Standard

Expanded adoption in multiple industries



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