integrate2 – the efficient connection between ECAD/EDA and PLM-Systems

Optimize your development process, with the centralized creation and management of stock lists and production-relevant design data

**Information Management Challenges**

How to efficiently manage product data and support the design process, is for many companies today a critical factor in their success.

This includes the exchange of design data between CAD- and PLM-Systems.

**The Solution**

XPLM offers a wide spectrum of integration solutions and comprehensive service packages for market-leading ECAD/EDA applications and software development.

The XPLM-developed platform, integrate2 combines these applications with your PLM system in order to support the integrated, interdisciplinary management of product data.

integrate2 – Data Flow to ECAD/EDA and PLM

<table>
<thead>
<tr>
<th>ECAD/EDA</th>
<th>integrate2</th>
<th>PLM</th>
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</thead>
<tbody>
<tr>
<td>ECAD/EDA system</td>
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<td>PLM system A</td>
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<tr>
<td>ECAD/EDA connector</td>
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<td>PLM connector</td>
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<td>PLM system B</td>
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<td>PLM system C</td>
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- Design data management
- Creation of circuit diagrams, BOMs, fabrication and assembly data
- Variant management
- PLM-supported change management
- Bidirectional data and structure exchange
- External database integration

integrate2 Data flow between ECAD/EDA, PDM/PLM Systems and ERP Systems
Main Functions

integrate2 manages ECAD/EDA relevant systems and process data in the PLM system using standardized functions:

- Creation of new PLM objects from CAD
- Search in PLM directly from CAD
- Loading, check-out and check-in directly from CAD
- Actualization of PLM attributes directly from CAD
- Release and make changes in the middle of existing PLM workflows
- Synchronization of articles and part data
- Batch-controlled conversion and mass-change of data
- Creation and collation of part lists
- The ability to connect external parts and information databases

Advantages

- Save time and eliminate errors through the automation of data exchange processes
- Simplified interaction with PLM as a result of direct operation from CAD
- Avoid redundancies by using only one source system
- Use the standardized integrate2 functions and add in, at any time, customer-specific processes
- Achieve complete traceability in your product-development process with integrate2

Available Electrical Integrations

- AutoCAD Electrical
- ECSCAD
- ELCAD
- Engineering Base
- EPLAN
- SolidWorks Electrical

Available Electronic Integrations

- Altium Designer
- Altium Vault
- Cadence Allegro / HDL
- Cadence OrCAD
- Mentor PADS
- Mentor xDM and xDX Designer
- Pulsonix

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