



SAP Engineering Control Center Interface for ECAD

The efficient connection between ECAD and SAP ECTR

Integrate your PCB design development process – with the centralized management of native design data and the creation of BOMs, fabrication and assembly data.

THE CHALLENGES

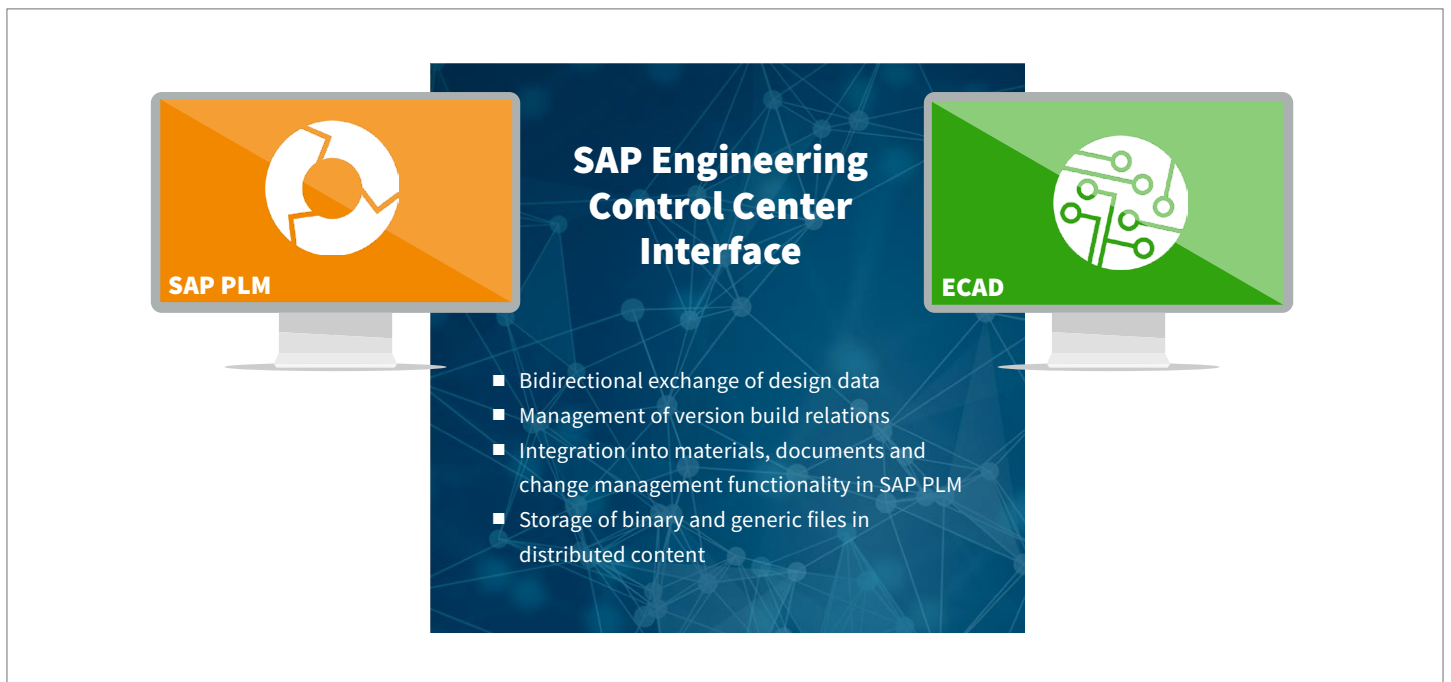
The needs for consistent information flows and processes, and to be able to launch innovative and high-quality products, are just some of the challenges companies face when trying to manage the efficient collaboration of design teams across various locations.

With the new challenges created for businesses by ‘digital transformation’ and the prevalence of Industry 4.0 and IoT, firms are increasingly searching for a solution to facilitate cross-disciplinary cooperation in their production of complex products.

THE SOLUTION

Developed by XPLM in collaboration with DSC Software AG, the SAP Engineering Control Center Interface (ECTR) to ECAD enables an integrated approach to connect your PCB design workflow to the complete product design ecosystem. This allows cross-discipline collaboration across design teams and combines mechanical, electrical, embedded software, and electronic design data on a single platform.

Using ECTR with ECAD enables design data to be managed more consistently, improving efficiency, agility and process reliability and gives engineers a complete view of their product data. Shielded from the SAP interface, designers can now access, publish and synchronize information without leaving their familiar ECAD design environment. The integrated approach moreover enhances the ability to hit release dates, cost targets and product quality and feature set goals.



SAP Engineering Control Center Interface (SAP ECTR) to ECAD – Data Flow between ECAD and SAP PLM

MAIN FEATURES

SAP Engineering Control Center Interface to ECAD manages ECAD native PCB design data and the generated manufacturing data inside SAP PLM by using standardized functionalities:

- Starting new projects with standardized project templates
- Complete release of projects including automatic creation of fabrication and documentation outputs into SAP PLM
- Automatic population of parameters in drawing frames
- Generation of Bill of Materials including PCBA variants
- Comparison of Bill of Materials during save of the design project
- Check-In and Check-Out capabilities bidirectional synchronization of library content
- Extensive search capabilities
- Easy linking of data to other SAP objects Solid audit trail via status log
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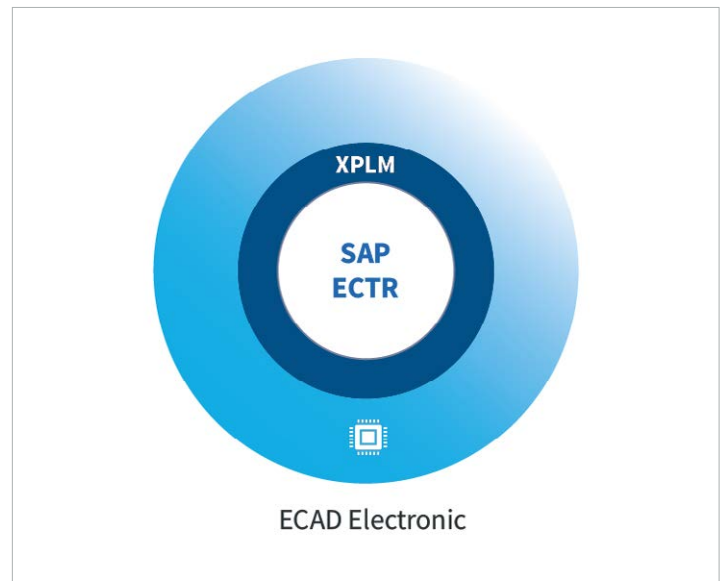
AVAILABLE INTEGRATIONS

ECAD ELECTRONIC
Altium Designer*
Cadence Allegro CIS*
Cadence OrCAD CIS*
Mentor Xpedition*
Mentor PADS*
Mentor EDM*
PULSONIX

* Those ECAD integrations include the SAP Engineering Control Center.

XPLM offers cross-domain integration solutions for PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/ software tools. For more information please contact marketing@xplm.com.

XPLM SAP ECTR INTEGRATION SOLUTIONS



KEY BENEFITS

- Save time and eliminate errors through consistency in automated data exchange processes and data model
- Avoid redundancy by using a single integrated platform
- Achieve holistic traceability of your product development processes by incorporating PCB design data into the business processes
- Make PCB design information accessible to users outside the ECAD world
- Enhance collaboration through simplified multi-site data exchange
- Prevent duplicate data entry in ECAD library and PLM
- Adapt the integration functionalities to your operational processes
- Shorten your search times to access design data more quickly
- Avoid manual processes

ABOUT XPLM

XPLM is a globally operating PLM solution provider specializing in integrating applications, processes, data and information for optimum cross-domain collaboration between engineers. With its unique portfolio, XPLM integrates leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/software tools.

For more information, visit www.xplm.com.

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