



SAP Engineering Control Center Interface for ECAD – the efficient connection between Altium Designer and SAP ECTR

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

The Challenges

The need 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 construction teams across various locations.

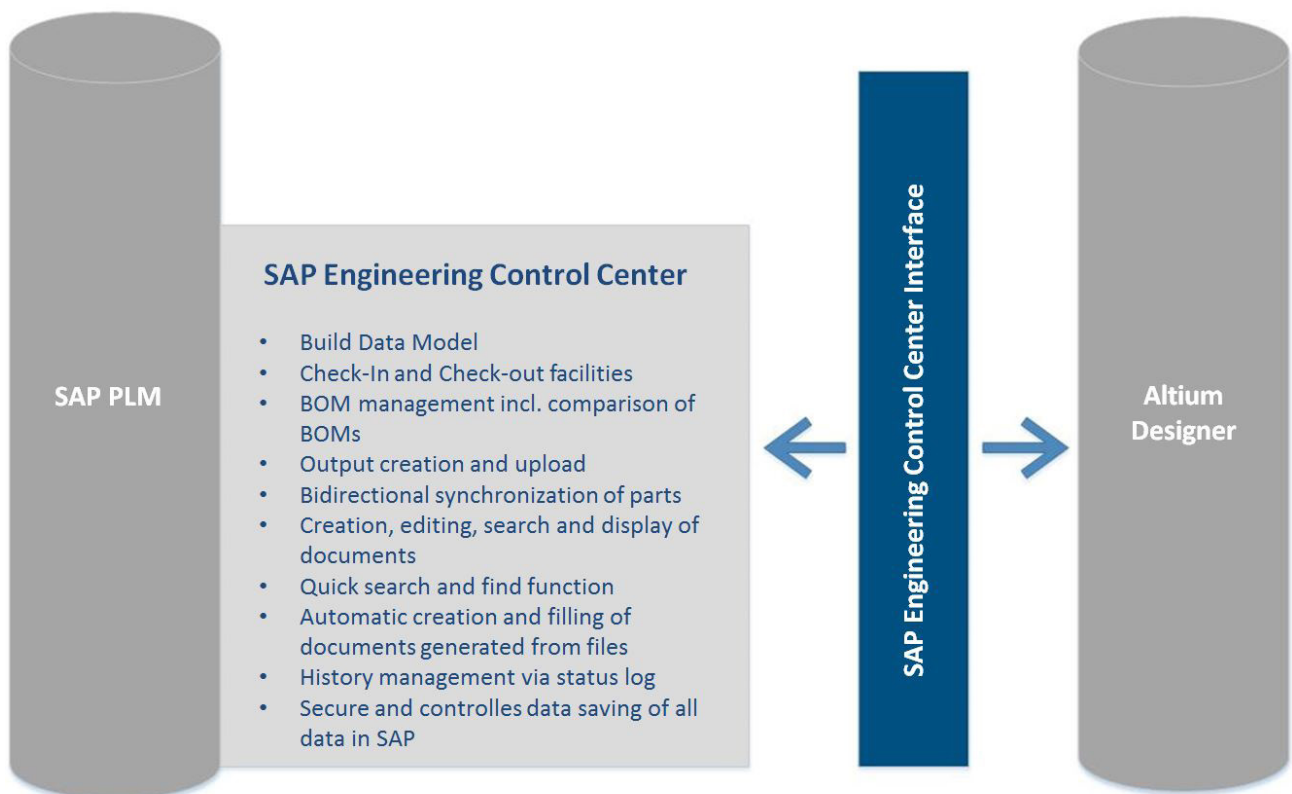
Coupled with the new challenges created for businesses by „digital transformation“ and the prevalence of Industry 4.0, firms are increasingly searching for a solution to facilitate cross-disciplinary cooperation in their production of complex products.

The Solution

Developed by XPLM in collaboration with DSC Software, the SAP Engineering Control Center Interface to Altium Designer, enables a more integrated approach to product development, allowing not only the controlled team development of the same product and product data, but also the ability to link electronic, as well as electrical and mechanical data in one system.

Thanks to the new interface, electronic and electrical data can now be managed more consistently, giving developers a complete view of their product at all times, thereby: improving efficiency, agility and process reliability.

SAP Engineering Control Center Interface – Data Flow to Altium Designer and SAP ECTR



SAP Engineering Control Center Interface
Data flow between Altium Designer and SAP PLM



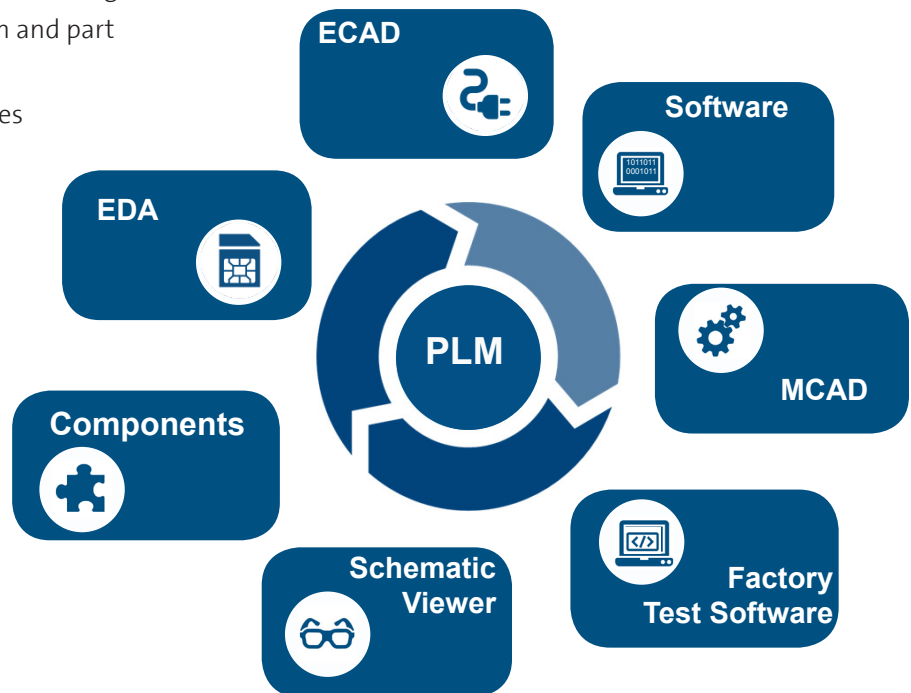
Main Functions

SAP Engineering Control Center Interface manages ECAD designs and data rendered by Altium Designer with SAP using standardized functions:

- Creation, editing, search and display of documents
- Classification via SAP class system
- Saving of all data securely in SAP
- Quick search and find function, with several search functions
- Simple linking with other SAP objects
- Automatic creation and filing of documents generated from files (circuit diagrams, production data etc.)
- Automated creation of BOMs, including variant, production and mechatronic BOMs
- Comparison of BOMs, upon saving ECAD designs
- Bidirectional synchronization of item and part data
- Check in and check out functionalities
- History management via status log

Advantages

- Save time and eliminate errors through the automatization of routine jobs and processes
- Avoid redundancies by using only one source system for ECAD data and processes
- Maintain electric and electronic schematics
- Achieve complete traceability of your product development process, through the integration of ECAD data into business processes, and the simplified exchange of data across distributed sites
- Adjust functions easily to meet your operational requirements
- Enjoy increased standardization, a higher re-use rate in your company and company-wide access to up-to-date ECAD data



System Requirements

SAP Engineering Control Center Interface to ECAD requires SAP Engineering Control Center Professional 5.1 by SAP SE.

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