

SAP Engineering Control Center for SAP S/4HANA

Simply switch to the future in Product Lifecycle Management

Making PLM processes fit for the future – that works with SAP ECTR and the cloud-enabled real-time business suite SAP S/4HANA. The underlying idea: all data and processes in the same system – for a holistic solution that makes procedures along the entire value-added chain simpler, more secure, and more efficient. How SAP ECTR helps: as a strategic integration platform with an intuitive SAP user cockpit as well as with configuration options and add-ons for individual requirements – far beyond classical PLM processes.

SAP ECTR integrates all kinds of authorizing tools over interfaces such as SAP ECTR interface to NX and SAP ECTR interface to ECAD. So product data flows directly into the SAP system, can be used company-wide and be easily managed and logically linked in SAP ECTR: with SAP objects such as material, customer order, work plan, equipment, functional location, etc. SAP ECTR also provides data as required, for example in neutral formats (2D/3D viewing), and makes for intelligent automation as well as infrastructure and performance optimization. Thus all PLM participants are perfectly integrated – across all departments, locations and company boundaries.

Comprehensive support for engineering processes

In mechatronics engineering, for example, documents of different systems and engineering disciplines (mechanics, electrics/electronics, software development) can be managed jointly – including synchronized change and release management. In this way, versions, validities and releases can be controlled and the history documented. Thus interdisciplinary teams get a constantly updated overall view of the product, interrelationships, and project progress, and can exchange data easily. MCAD-ECAD collision checks are then no longer a problem. The effect: faster coordination and validation plus consolidated data for smooth accompanying and follow-on processes.

Sustainable optimization of production processes

Seamless CAD-CAM-DNC processes are enabled by the Factory Control Center add-on. FCTR integrates CAM, tool management and production planning, connects shop-floor systems, and closes the gap to SAP MES. As a result, a lot runs automatically: supplying the CAM system with data, delivering NC programs to the machines, controlling resources, etc. Additionally, tool libraries can be managed plant-relatedly and with standard classification in the system. Whether BOMs, order data, measurement regulations or tool orders: a large number of tasks can thus be automated.



The benefits: shorter setup times, optimal tool and machine utilization, as well as leaner tool stocks, smaller tool inventories, and lower direct tool costs.

Mapping industry processes as required

The value-added technology of SAP ECTR is flexibly adaptable and usable – for all kinds of use cases.

Examples:

- **Document management:** Whether for project planning, marketing, sales, technical documentation, maintenance, etc.: SAP ECTR can manage documents of all types securely and transparently as well as language and version-relatedly – seamlessly integrated in the SAP change service.
- **Quality management:** With SAP ECTR, such things as design releases can be secured by the use of signature-based authorizations. Or product records such as the device master record (DMR) and device history record (DHR) can be created automatically, e.g., for certification purposes.
- **Plant management:** Typical examples are a digital asset repository and AIM cockpit, which ease asset information management (AIM). And by means of the functional-

location hierarchy, digital twins of the physical plant can be mapped in order to evaluate real circumstances virtually – for the maintenance and optimization of plant operation.

Flexible use of integration benefits

Future-oriented PLM processes point strongly to an integrated SAP S/4HANA solution, particularly with regard to IoT or Smart Factory. Alternatively, SAP ECTR also supports SAP ECC 6.0 as well as the changeover to SAP S/4HANA. What is also clear: no other PLM solution in the world is as well integrated as that from SAP. Thus every company can profit from resounding advantages, regardless of the SAP Business Suite.



Further informations

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