

AUCOTEC solution for the power plant industry

Maximum power for engineering



Consistent, cooperative, highly efficient: AUCOTEC's solution for the design and operation of power plants supports professional collaborative engineering – consistently from the primary process via E&I and control engineering to electrical equipment and connection to the power grids.

Sub-segments/topics

- Process engineering
- Instrumentation
- Control engineering design
- Electrical engineering
- Maintenance
- As-built

Engineering Base

The special challenges

- > Germany: very limited construction of new power plants due to the German Renewable Energy Act (EEG); modernisation of control engineering in particular as well as efficient plant supervision required
- > International: high energy demand and thus new power plants in emerging economies. Fast processing of engineering required
- > Power plant design requires effective cooperation and control of the cooperating disciplines with highly transparent change management
- > Constantly up-to-date data and documents for the daily servicing of existing plants and simultaneous planning of revamping measures require a highly parallel procedure for in-house engineering resources and contractors
- > Design work must take into account very closely set downtimes for revamping or extensions

The optimum process

- > Engineering Base (EB) as an ideal cooperation platform: central database with scalable architecture for local and remote clients
- > Integrated, cooperative solution modules from process design via EI&C engineering and control system design up to energy supply and connection to high-voltage grids on one central data model
- > Full control of changes and their impact due to unique tracking and revision technology
- > Secure integration of external suppliers by the convenient importing and exporting of engineering data; full change control
- > Unique solution for parallel work in the as-built portfolio and revamping projects with intelligent information comparison
- > Unsurpassed full support of IEC EN 81346 for structuring the identification system and of KKS in existing German power plants

Embedded in your company IT system

- > Close SAP link for maintenance and service organisation
- > Open API for integration, for example, in in-house document management and maintenance systems
- > Integration of control engineering design systems significantly accelerates transfer of hardware design and signal lists up to parameterization

