

AUCOTEC's engineering platform for standard and special-purpose machine builders

## Flexibility as standard



Cooperative from requirement to service: AUCOTEC offers highly efficient software solutions for standard and special-purpose machine builders. These solutions provide unique support for collaborative engineering, which permits design processes that are optimised in terms of time and costs. The solutions are optimally tailored to the entire life cycle of the machines – from requirements engineering via planning and installation to service and maintenance.

### Sub-segments/topics

- Requirements engineering
- Project planning
- Manufacturing
- Commissioning
- Service and maintenance

Engineering Base

# Your challenges

- > Innovation pressure: a technological lead in the market is becoming more and more short-lived, and further reductions in costs and time are becoming increasingly difficult in the development process of standard and special-purpose machines
- > Time pressure necessitates parallel work in the various disciplines for significantly improved exchange of information
- > Globalisation and cost pressure: competitive offers for standard and special-purpose machines even in the growing markets of emerging economies are a prerequisite for sustainable global success
- > Coordination of the work of local development teams, which signifies a great opportunity to implement individual customer requirements on-site
- > Individuality and standardisation: high requirements for customized quality machines at the lowest possible cost require maximum flexibility of tools and extensive standardisation of components
- > Modular systems with flexible configuration necessary for customized standard and special-purpose machines at optimised costs

## The solution for the optimum process

- > Engineering Base (EB) as an ideal cooperation platform: central database for local and globally distributed clients, and scalable architecture.
- > Extraordinary integration ability of EB into PDM/PLM and ERP systems for additional transparency and company-wide solutions which go far beyond engineering
- > Best communication between the disciplines - integrated solution modules from the inclusion of customer requirements via the plant overview to the individual terminal together with the connected wire inside the control cabinet and all on one shared 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
- > Saving time and costs with worksheets for more efficient data processing
- > Higher documentation quality, lower translation costs through dictionaries for standard texts
- > Direct involvement of additional project participants accelerates cooperation and reduces coordination effort between the disciplines
- > EB Maintenance reduces time for the documentation of changes during and after commissioning

## Embedded in your company IT system

- > The closest possible link to SAP and Teamcenter for managing material master data, BOMs and documents
- > Integration of the leading 3-D systems for optimised cabinet design
- > Open API for integration, for example, in proprietary PDM/PLM and ERP systems
- > Integration of manufacturing systems for the automated manufacturing of mounting plates and wires

