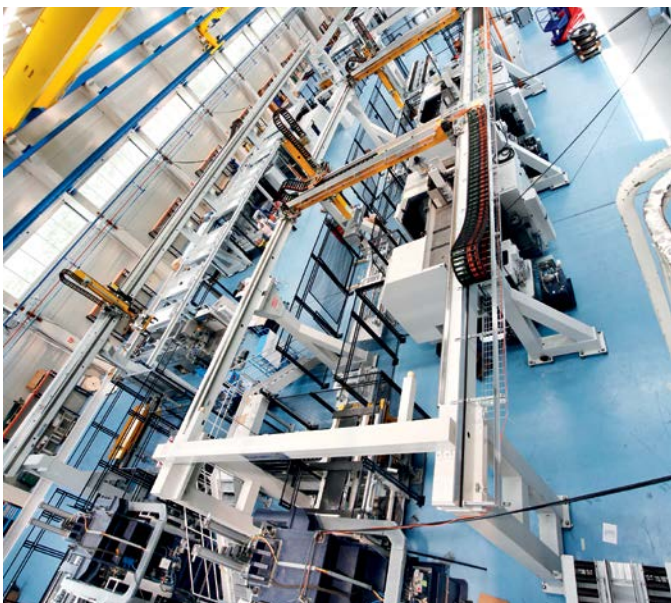




DANOBAT

COMPLETE SOLUTIONS



Complete solutions for railway industry

DANOBAT goes far beyond machinery provision in the railways industry. It also works as a railway technology partner providing engineering solutions to its clients from project planning to final execution as well as the notable railway equipment lifespan.

Railways business unit has a highly qualified human team with proven experience; making it possible to produce leading customized railway equipment.

COMPLETE SOLUTIONS

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01 IDEA

A collaborative and client focused approach in order to define the draft project that most adapts to your particular case.

- Consulting and development of project ideas
- Accurate cycle time calculations with process simulation software
- Throughput and process flow
- guaranteed by a plant simulation software
- Preliminary layout design
- Advice on financial sources



02 DESIGN

A comprehensive functional solution, detailed in project design and derived through utilization of world class engineering principle and standards.

- Detailed analysis to meet current and future needs
- Optimized work flow oriented solutions and productivity studies
- Detailed layout designs and foundation drawings based on customer workshop limitations
- Interface control documents for equipment integration,
- communication between machines and local database connections
- Application of regulations and standards (UIC, AAR, Gost...)
- Safety plans and risk assessment studies: FMEC A studies, Hazard identification studies, Hazop operatability studies, among others



03 IMPLEMENTATION

Deliver optimal availability and reliability, process integrity, increased safety and sustainability, and reduced life cycle cost and risk.

- Supply of turnkey production lines and maintenance workshops
- Project management, project coordination, supplier coordination and follow up using:
 - HR Management Plans
 - Quality Management Plans
 - Project Execution Plans
 - Project Management Plans
 - Project communicator plans
- Key supplier coordination and management
- Start up coordination and final commissioning
- Training programs and full documentation sets
- Machine automatic programming based on proven and customized CAM systems
- Customized monitoring system with traceability and quality reports
- Production ramp up assistance



04 SERVICE

A tailored service, based on our own highly qualified staff.

- Worldwide service with local offices and technicians
- Production assistance service
- Tailored maintenance services
- Reengineering of processes, adapting to new requirements or regulation, software update, integration of new equipment,...