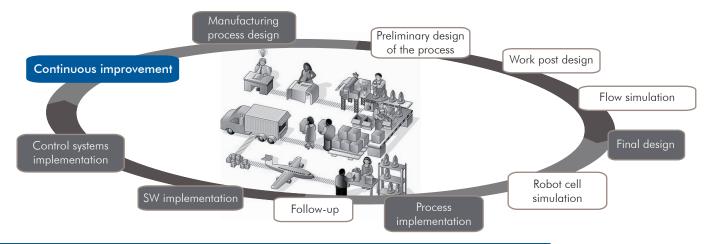
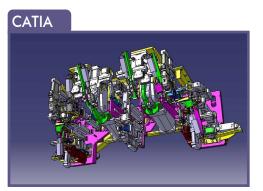
Your partner in technology

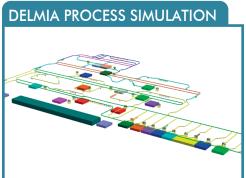




Study, development and implementation of new turnkey processes

- Process design using 3D simulation tools
- Machines and equipment implementation
- Verification of technical features using simulation tools
- Implementation at client manufacturing







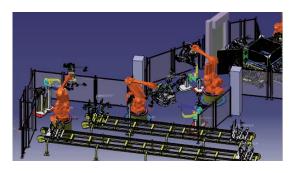
FACTORIES OF THE FUTURE LABORATORY

- ▶ 120 m² for the integration and validation of cells for prototyping and fine-tuning
- Robots: ABB and Yaskawa
- Automata: Siemens, Rockwell, VIPA...
- Equipment, tooling
- Cameras, sensors, illumination...



Virtual industrialisation

CTAG carries out specific design, development and off-line programming using DELMIA and ROBCAD







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Intelligent control systems

- Development of machine vision quality control systems
- Use of artificial intelligence technologies
- Support for different applications: quality control, surface inspection, object recognition and detection, automatic classification, pick & place, OCR and augmented reality
- Paperless Factory: incorporation of data provided by the control system for the detection of malfunctions and the development of preventive and predictive actions based on the process trend

Industrial software

- Commissioning custom software adapted to each manufacturing process to help decision-making at all levels
- Analysis of customers' needs for total integration of the tool in their every day life
- Production management systems and on-site integral management systems: monitoring, traceability, production control, quality, human resources and maintenance software
- Multi-device systems for PC, web and mobile devices

PAPERLESS FACTORY

- Knowledge of the real cost of the part produced (carbon footprint)
- Decision-making help
- Team involved in reaching the objectives
- ▶ Help in the search of economic optimisation

CHARACTERISTICS OF THE SYSTEM

- Coherent, consistent and standardised information storage
- Scalable system (scalable and configurable reports)
- Compatibility with auxiliary systems beyond production
- ▶ Integration of "Big Data" systems
- Interconnection with external tools for data analysis

Process improvement

