

epis Automation. Punktgenau



epis specialises in the automation of small to medium size machines. Designing the system exactly to your indiviual specifications.

We deliver the best individual technical and economic solution.

Punktgenau.



Control



HMI



Communication



Engineering



Software



Why IEC61499 in Machine Automation?







- Machine Intelligence can be highly decentralized
- Increase in modularity and indivdiual addons
- More focus on development cost due to
 - shorter product life cycles,
 - individual machine configurations,
 - shortage of engineers (splitting of the development)
 - ...
- Need of change of hardware topology on a new machine generation
- M2M integration requirements are rapidly growing
- Requirements for Machine Software Certifications are increasing



What's different in Machine Automation?

- Real Time Requirements of 0.1...10 msec
- Synchronization
- Use of CAN-Bus rather than Ethernet
- IEC-61131 is widely spread
 - Often combined with proprietary extensions
- Small variety of products used in one machine
- Special libraries are commonly expected for the different branches







LibertyPro - solutions for Machine Automation

- Fully IEC-61499 based
- Real Time expansion
- Special libraries for
 - Motion Control
 - Positioning
 - Electronic gears
 - Closed Loop Control
 - ...
- CAN Bus support
 - Cooperation with CiA (CAN in Automation)
- IEC-61131 Migration (future)





Solution Package – Material Storage Lifts



Application

- Storage Lift with variable geometry (W x H)
- Navigate to shelve positions for loading and unloading of materials
- Administration of storage postions in the shelves
- Data exchange with ERP System







FOR YOUR ATTENTION

