



Motivation

- Major challenges in manufacturing
 - Reduction of model life cycles,
 - Increases in product variety
 - Mass customization
- Requiring
 - Adoption of manufacturing systems
 - Economic production of small lot-sizes
 - Reduction of production downtimes

Project aims

- Cost efficient engineering of controlled evolution of systems
- Its safe and fault-tolerant realisation
- Free of costly downtimes
- Component based development of controlled evolution of Industrial Automation and Control Systems during their adaptation
- Increase in engineering efficiency and reuse of software components

Project objective

- Evolution Control Modelling Language (εCML Concept)
- Verification and Validation of Evolution Control Applications
- Hardware Capability description for evolution
- Evolution Control Engineering Methods

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