

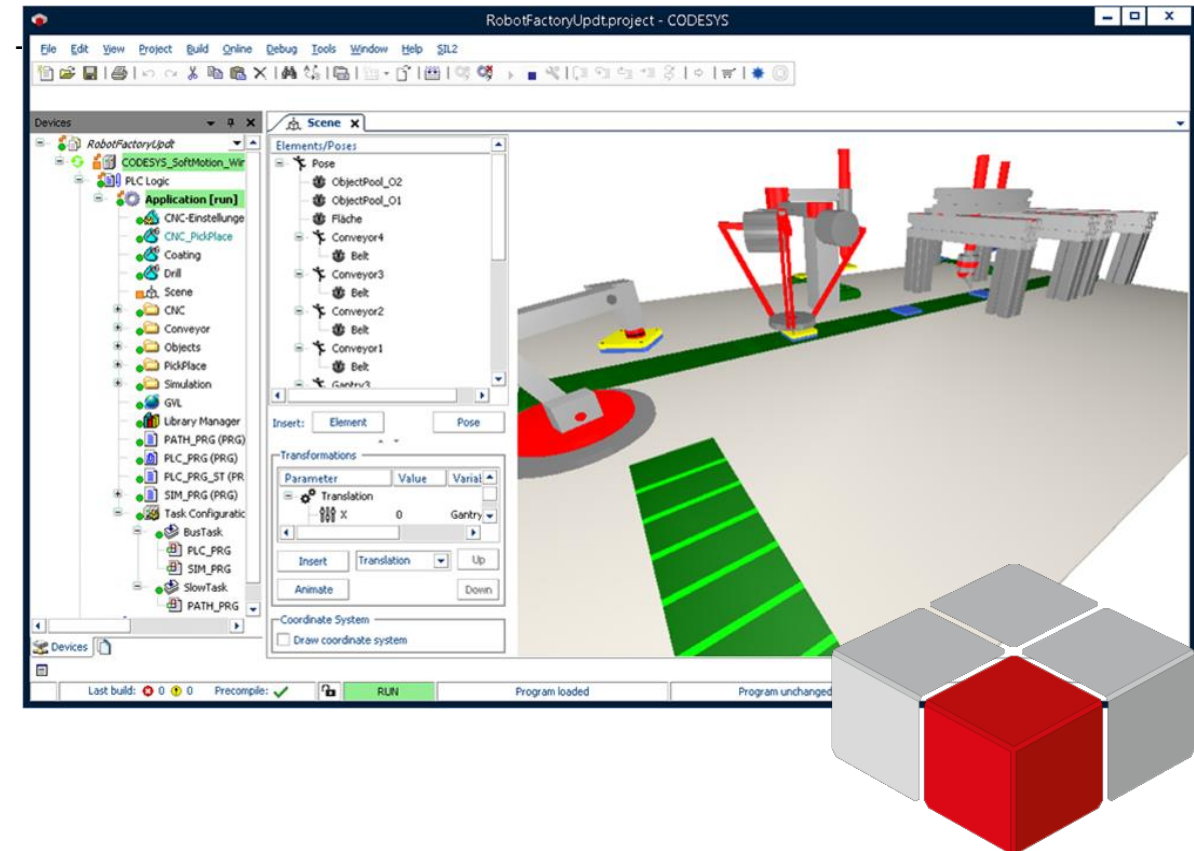
Model-based Engineering from Components to Production Plants using AML

Second Part: Application and Demonstration



OPAK Engineering with CODESYS Application Composer With Depictor

- **CODESYS** a 61131-3 PLC Programming Environment
- **Application Composer** Plugin for CODESYS, a higher level programming framework
 - From Classical to Functional Engineering
- **Depictor** Plugin for CODESYS is a 3D visualisation tool

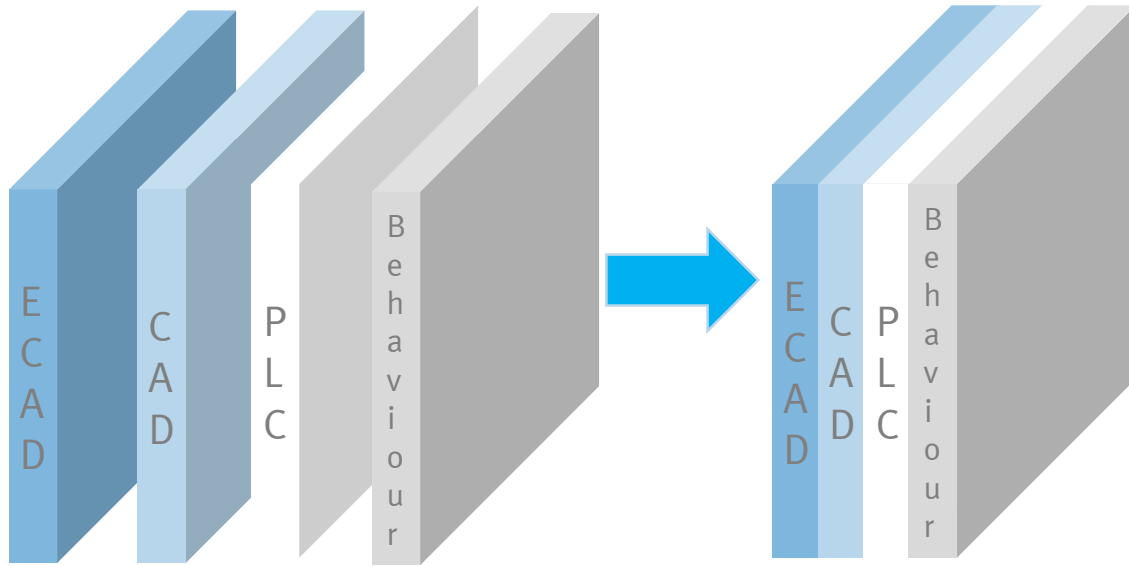


OPAK Engineering

Classical Engineering

Domain-based

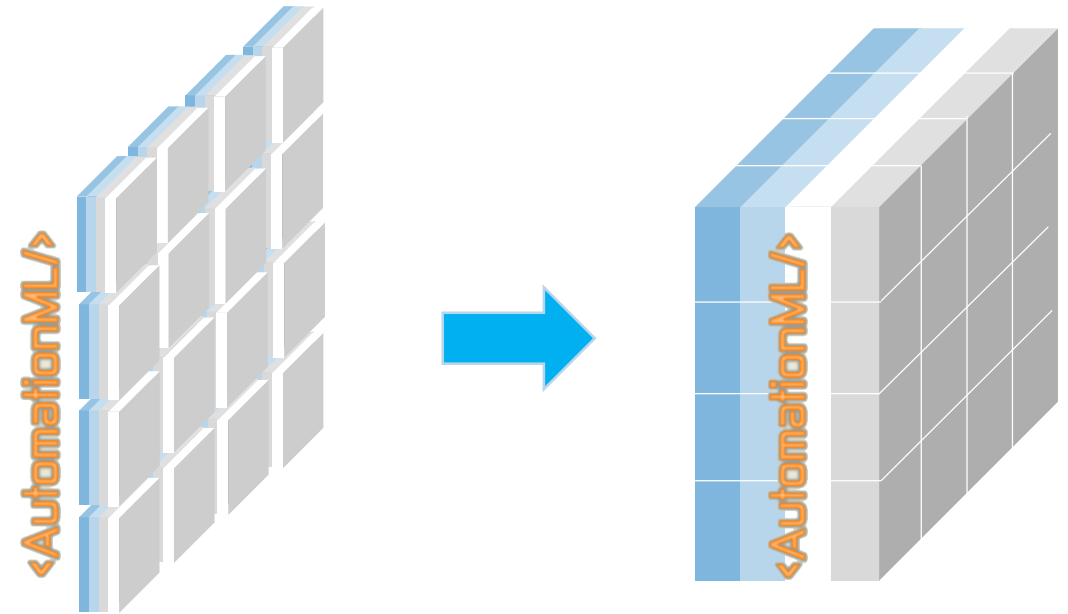
System



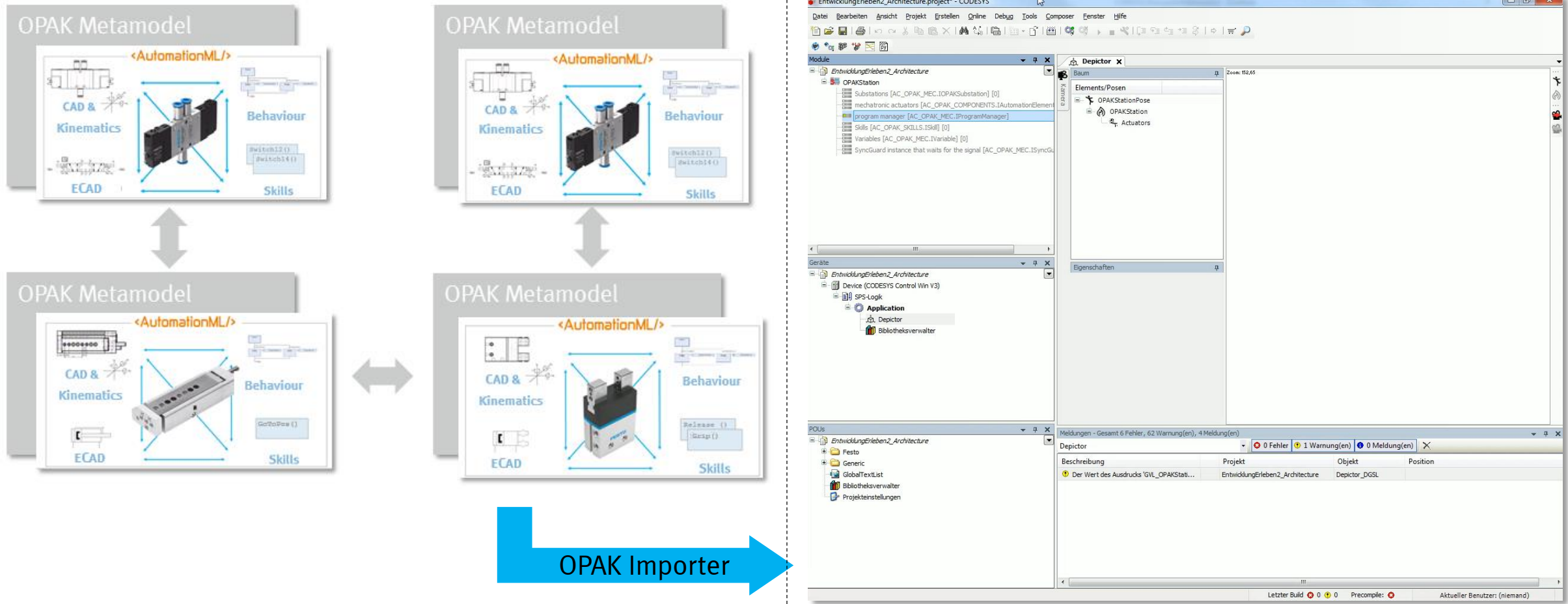
OPAK: modul-based and functional

Modul-based

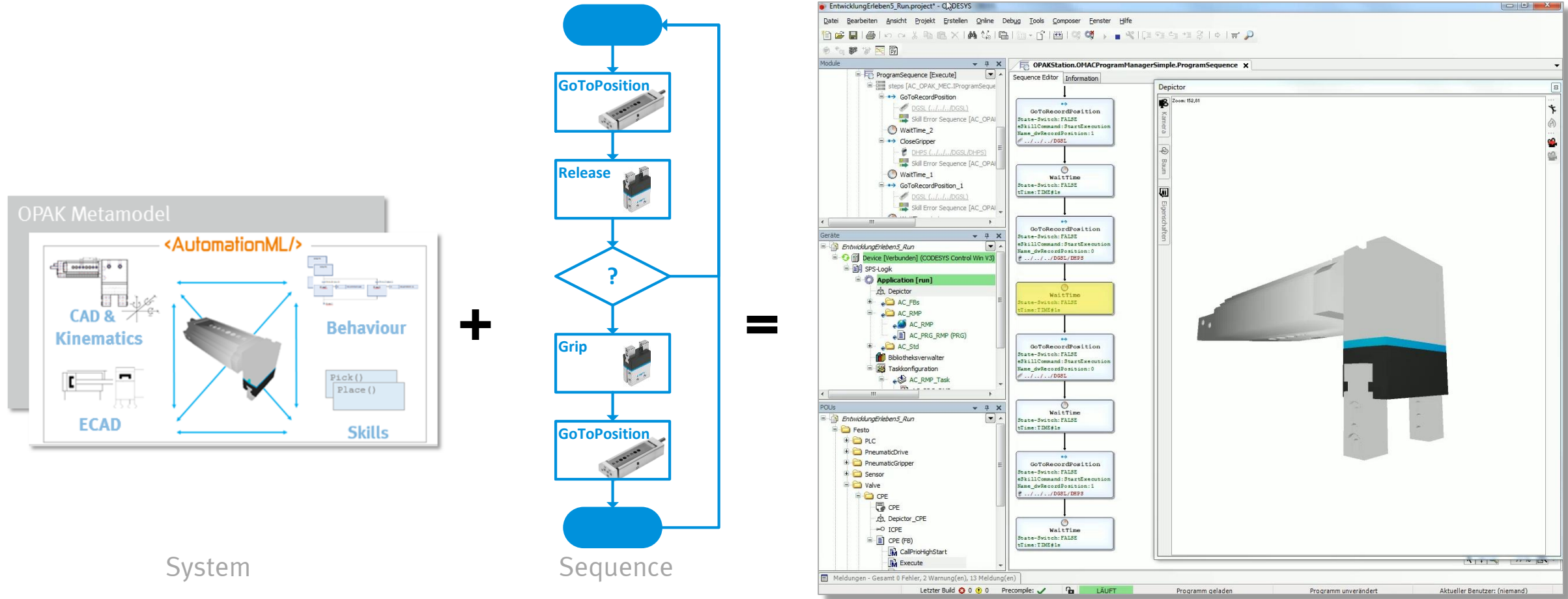
System



OPAK Engineering: 1. Import Components and Compose a Static Model of a System

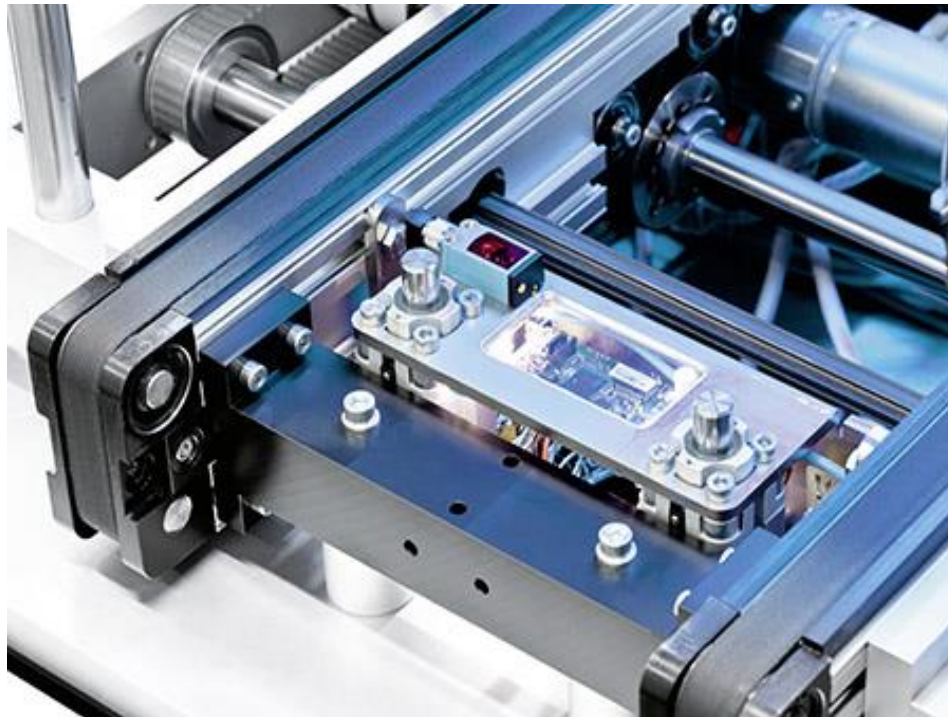


Opak Engineering: 2. Create a Dynamic Model of a System and Deploy it



Scalable

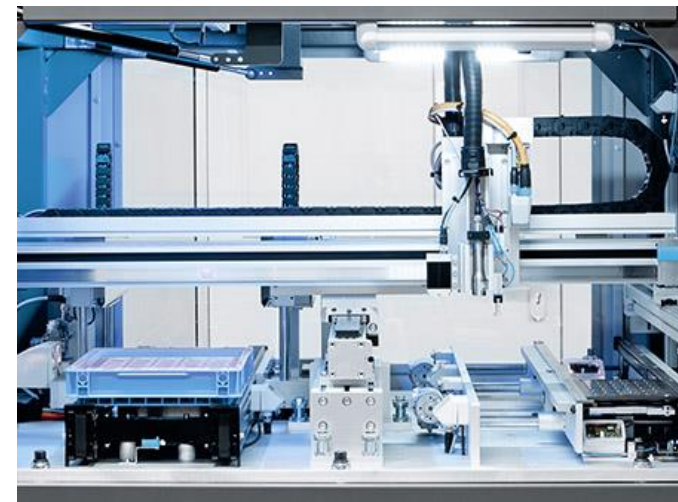
Industrial demonstrator



Fully integrated stopping unit



Industrial cell from ASYS



Thank You for Your Attention



DEVEKOS

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Bundesministerium
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aufgrund eines Beschlusses
des Deutschen Bundestages