

# The CD-Laboratory Model - a Chance for SMEs

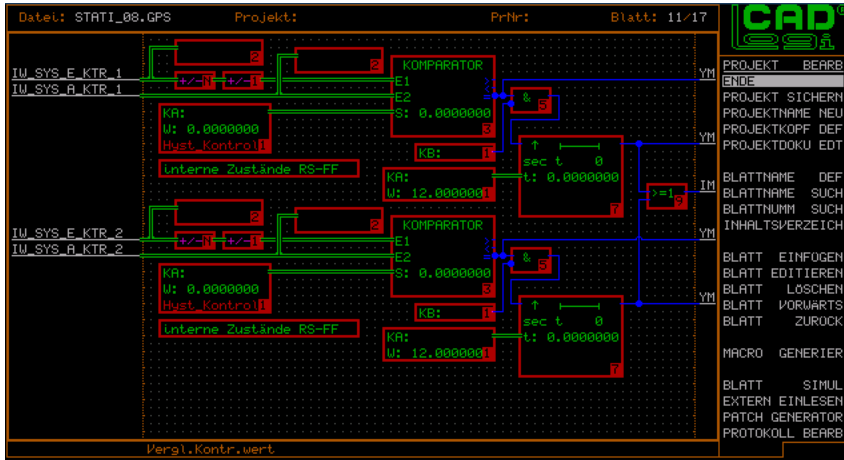


[www.logicals.com](http://www.logicals.com)

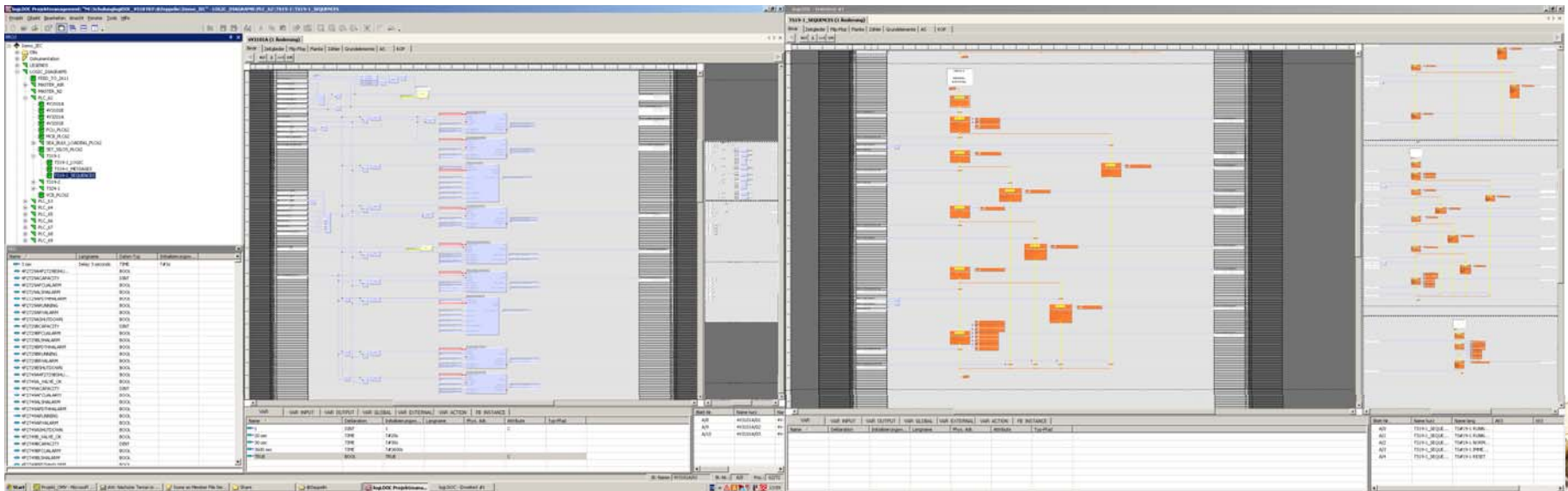
logi.cals<sup>®</sup>  
all the more power



# 25 Years Choice Automation Solutions

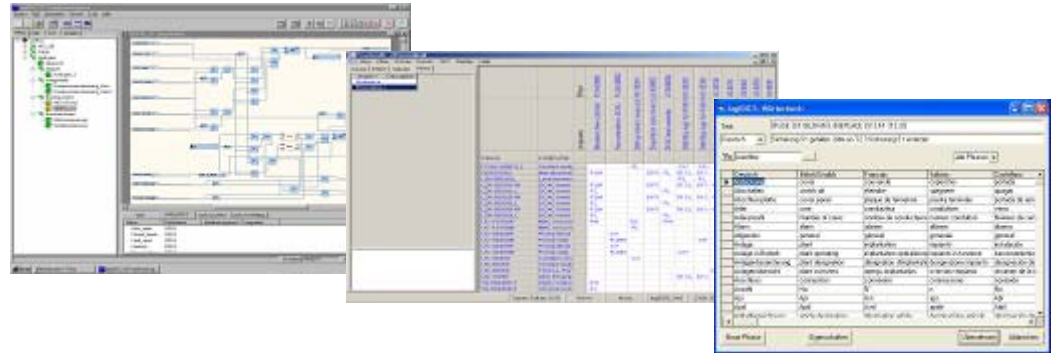


- More than 15,000 installations
- 100,000s of devices and plants every year
- Many application domains: building automation, power plants, etc.



## Planning & Documentation

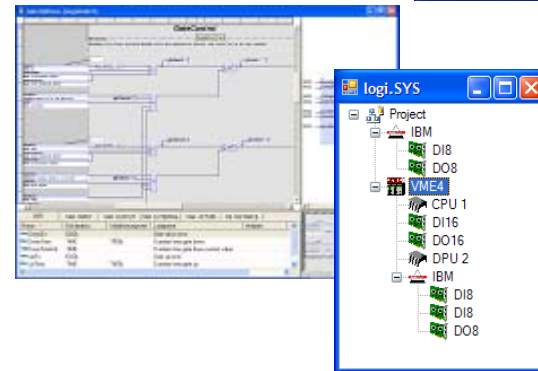
logi.DOC  
logi.CED  
logi.DICT



## PLC-Programming

logi.CAD & logi.SIL

logi.SYS



## Target/System Support

logi.RTS & logi.SIL

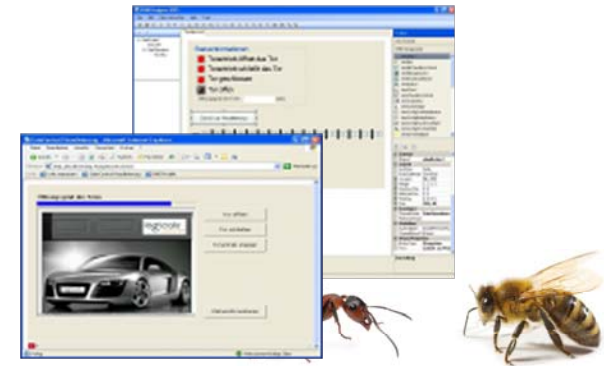
e.g.: logi.PLC 5200

logi.PLC CX1010

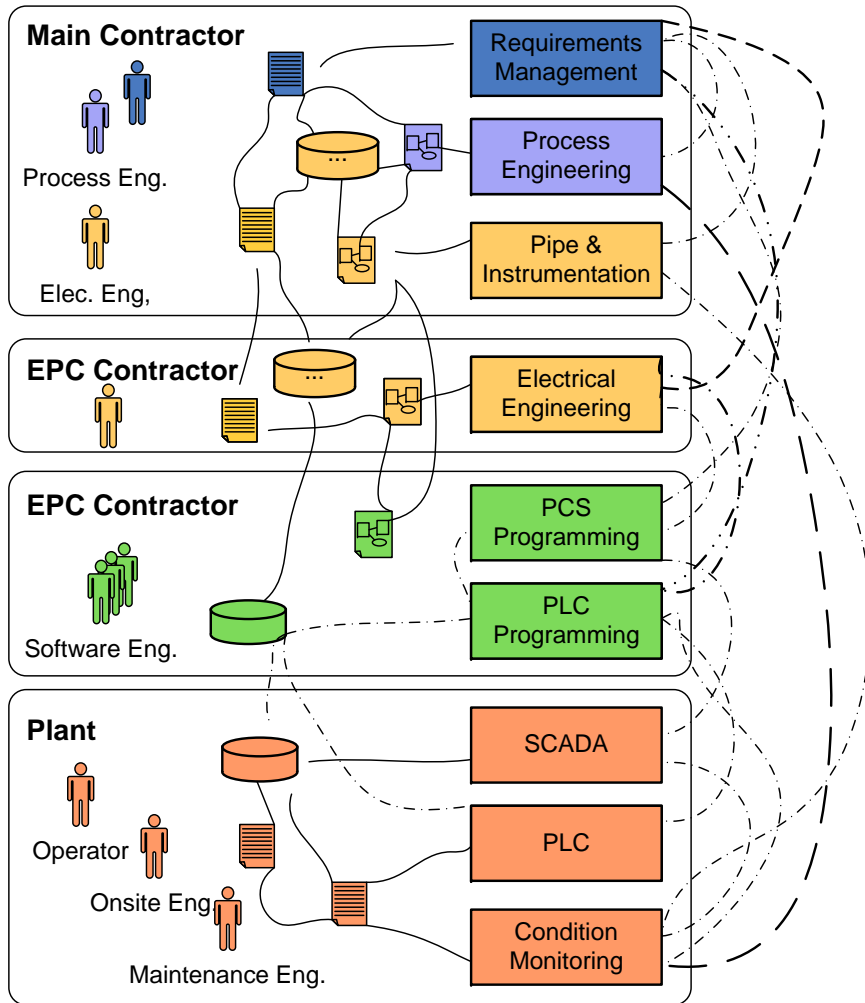


## Visualisation & CM

logi.VIS  
logi.GUARD



# Accidental Engineering Environment Integration

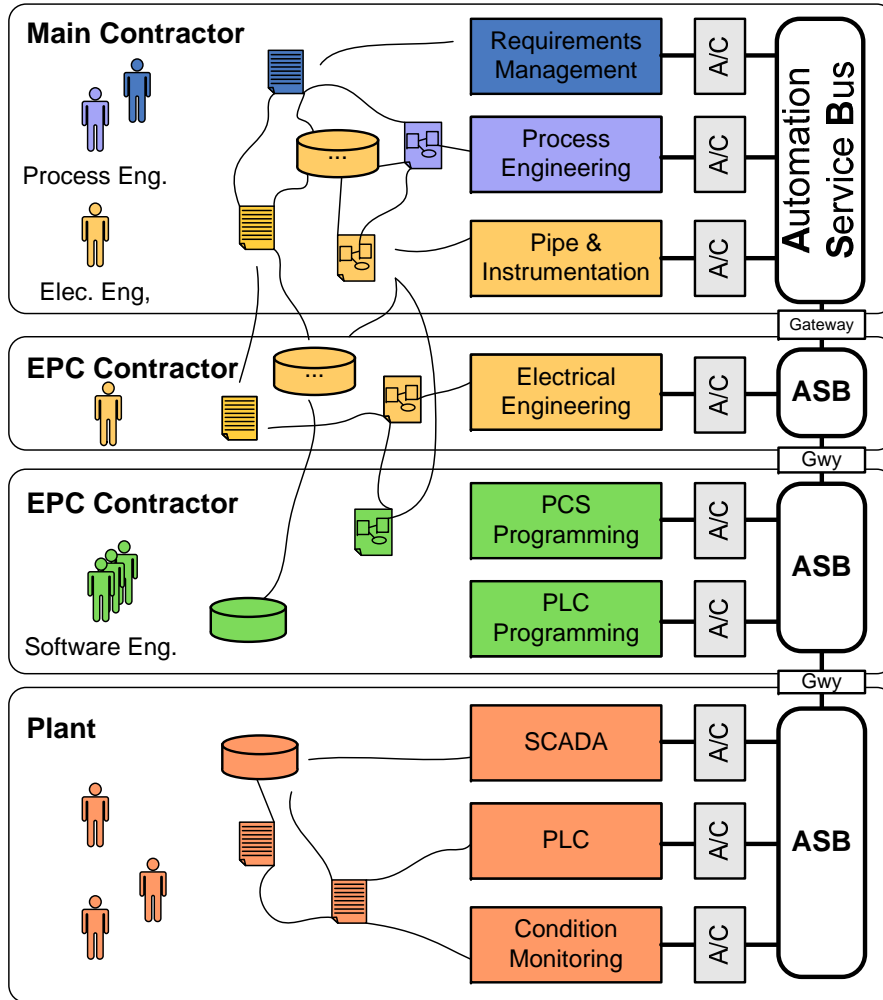


## Industry partner requirements for integration solution

- Vendor- and platform-neutral
- Tailorable
  - Organization
  - Engineering process
- Incremental introduction
- Connection to operating automation system
- Offline capability
- Decoupling in time and space
- Flexible after installation
- **Increase of productivity**



# Iterative Engineering Environment Integration

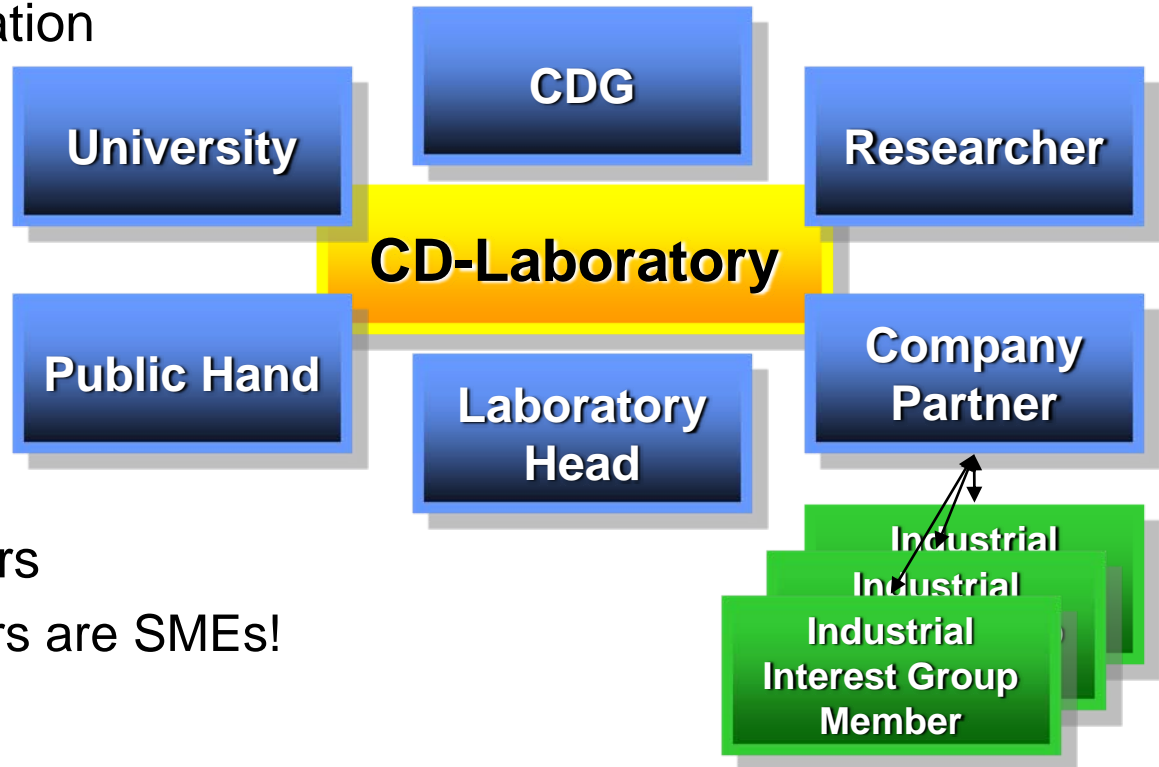


## Step-by-step migration with the “Automation Service Bus”

- Identification of migration steps
- Implementation of tool connectors and local ASB configurations
- Validation with existing solution
- Data is available to the engineering process, even if the data comes from heterogeneous data sources.
- Federated ASBs connect organizational units
- Example prototypes with **Andritz Hydro** engineering



- Technological risk mitigation
  - Knowledge of university
- Financial risk mitigation
  - Higher funding for SME
  - Seven years
- About 120 CDG-members
  - 30% of these members are SMEs!



## Reduced time-to-market & lower risk!

