PRESENTATION OF THE INDUSTRY 4.0 COMPONENT CONCEPT IN AN EXISTING ENVIRONMENT

Application for the manufacturing industry

SUMMARY

Presentation of the administration shell of Industry 4.0 components as a basis for discussion and for validating it in an existing environment.

PARTNERS

CURRENT SITUATION

The basis is the Industry 4.0 demonstrator developed for the 2015 IT Summit, which illustrates the linking of the real and the virtual world. The demonstrator combines a physical, highly flexible transport system (multi-carrier system developed by Siemens AG and Festo AG & Co. KG) and a virtualized production system. The demonstrator was developed using conventional technologies and approaches and has individual connectivity to a data analytics cloud.

PROJECT DESCRIPTION

- Initial workshop in the evosoft test center
  - Identify useful Industry 4.0 components for the existing Industry 4.0 demonstrator
  - Identify relevant attributes of the identified Industry 4.0 components
- Development of a solution concept by the evosoft test center
  - Develop a concept for an additional application with corresponding control and visualization options for the Industry 4.0 components
- Integrate the new application into the existing Industry 4.0 demonstrator
- Present at the 2016 Hanover Fair

REFERENCES

- www.youtube.com/watch?v=4dmA1QtAUzo

SOLUTION

The Industry 4.0 demonstrator was structured based on the Industry 4.0 components concept. Selected contents of relevant components were visualized in a separate application.

INDUSTRY 4.0 FEATURES

Testing the Industry 4.0 component concept

STANDARDIZATION APPROACHES

The following standards are used: Industry 4.0 component concept

CONTACT

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