<AutomationML/>

The Glue for Seamless Automation Engineering
Advantages for AutomationML e.V. members

the community for a consistent data exchange in the engineering supply chain for manufacturing and process plants
Business advantage

- Early consideration of the use cases of the members
  - The AutomationML development process especially addresses the use cases in which the members see the need for development resp. see the potential for technical development.
  - The members decide on their own about and prioritize the used technologies as well as the direction of development suitable for their business cases.
    - e.G. active co-modeling of data models
  - Involvement in technological development gives the opportunity to early integrate the results in their own process chains (Early Bird).
    - Early access to specifications/standards
    - Validation of their own solutions prior the release of the next standard version
  - Improvement of the overall view on a consistent engineering
Business advantage

- **Intercompany developments**
  - Members create collaboratively a solution that is economically feasible for all parties.
  - Discrepancies are avoided by working hand in hand.

- **Collaborative appearance, networking**
  - Networking of manufacturers, users, standardization initiatives in the context of data exchange
  - Collaborative appearance for cooperations with other user organizations (VDMA, VDA, PLCopen, …)
  - Collaborative submission of grant applications

- **Collaborative marketing**
  - Participation at user congresses und exhibitions
    - Conference: No participation fee for speakers or two people per member
    - PlugFest: No participation fee for speakers or two people per member
    - Consideration of content-related wishes
  - Access to specialized media to publicate relevant technical papers
Knowledge advantage

- **Together: Development, marketing, knowledge exchange**
  - Early development and testing of solutions together, guarantee of the interoperability
  - Practical application test at the PlugFest
  - Collaborative marketing platform for the members
    - Conference, PlugFest, exhibition appearance
  - Focus on new content
  - Know-how exchange

- **Standardization**
  - Knowledge about the international standard prior to its final pass
  - Influence on the standard regarding new content

- **Autonomous collaboration in workshops/working groups**
  - Innovative ideas through discussions
  - Increasing quality by feedback/through discussions about own ideas
  - Foundation of new working groups
Knowledge advantage

- **Direct access to all aspects about AutomationML**
  - Technical co-creation of AutomationML
    - Collaborative development allows collaborative testing especially regarding interoperability
    - Own ideas can be included in the standard
    - Development of application scenarios
  - Access to a network of experts of different domains
    - Cooperation of industry (users, manufacturers) and science of different domains and engineering disciplines
    - User oriented innovations
    - Know-how transfer through technical discussions (usage of synergy effects)
    - Discussion with other members allows the adjustment resp. the adaptation of steps of technical development
    - Steeper learning curve in using AutomationML through information exchange with experts of the AutomationML e.V.
  - Independent lead and collaboration in workshops/working groups
    - By discussion innovative ideas
    - Feedback/discussion for own ideas and thus quality improvement
    - Starting new working groups
Technical advantage

- (Early) access to software, which is provided by the AutomationML e. V. for an efficient use of AutomationML data format
  - AutomationML Engine
    - Software library for a simple creation of AutomationML files
  - AutomationML Editor, AutomationML Logic Editor et al.
  - COLLADA – JT Converter
  - Software for testing the standard compliance of AutomationML models
  - AML to OPC UA converter
  - Example implementations

- Influence on further development of the software provided by AutomationML e. V.
  - Bring own requirements for further development of the AutomationML software
  - Integration of further software systems in the development process