



<AutomationML/>

The Glue for Seamless
Automation Engineering



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Advantages for AutomationML e.V. members

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

- **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

- **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

- **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

- **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

- **(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