Incorporating Standardized Factory Device Data into the Model – Based Enterprise

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AMT – The Association For Manufacturing Technology
Background
“Upstream”
Product Lifecycle Management
Design
Engineering

ISA-88
ISA-95/B2MML

“Downstream”
Manufacturing

PackML
MTConnect
ISO13399
Proprietary Interactions
+ Seamless user experience
  – Functionality
  – Cost
Partially open, standards based stack

*Cutting tools example*
Partially open, standards-based stack
- Functionality
  - Integration nightmares
  - Cost*

*no bundling
no economies of scale
Scalability and Monolithic Standards
Monolithic standard = Proprietary stack
CONCLUSIONS
Standards developers should pursue:

- Openness
- Modularity
- Pluggable architectures
- Harmonization

See also:
- microservices, service oriented architecture, APIs
Standards developers should pursue:

Openness
Modularity
Pluggable architectures
Harmonization

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