CII/MIMOSA Interoperability JWG

2022 MIMOSA Open Meetings
April 21, 2022
Dale Williams – CII IM CBA Chair, JWG Co-Chair
Alan Johnston – MIMOSA President, JWG Co-Chair

CII/MIMOSA MOU
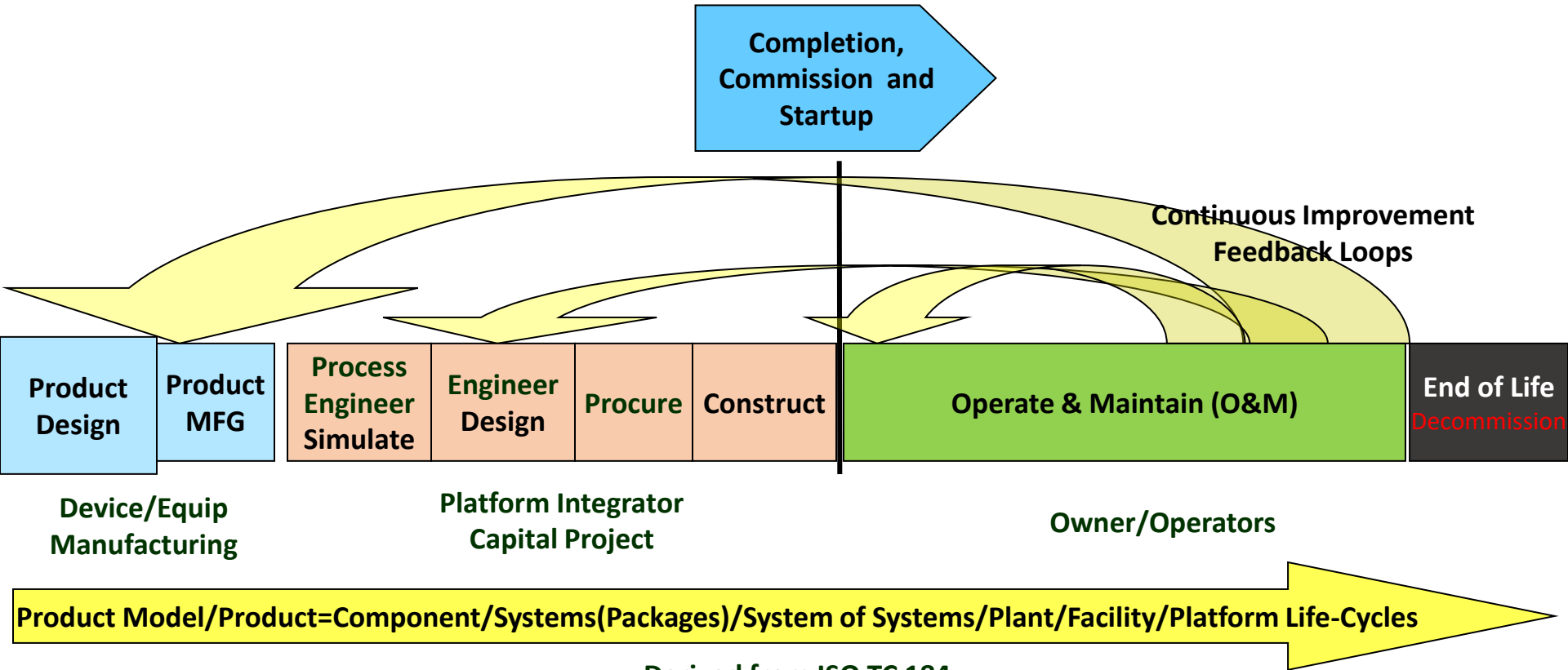## Reasons for Collaboration

- MIMOSA is a Standards Development Organization, while CII focuses on Industry/Best Practices.

- Together, the CII/MIMOSA Joint Working Group (JWG) will develop Interoperability Best Practices based on Standards.

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CII/MIMOSA MOU – Key Points of Alignment
Foundation for CII/MIMOSA Interoperability JWG

- CII and MIMOSA wish to align in order to help industry achieve standards-based interoperability in capital projects based on the Open Industrial Interoperability Ecosystem (OIIE) and International Standards Organization (ISO) 18101.

- The organizations intend to form a Joint Working Group which will team to develop formal OIIE Use Cases based on Industry Functional Requirements developed by CII.

- CII and MIMOSA will retain ownership of their respective intellectual property while agreeing on appropriate branding of the jointly developed OIIE Use Cases.

- The OIIE Use Cases will be defined using the OIIE Use Cases Architecture, seeking the re-use of appropriate OIIE Scenarios and Events, many of which may already exist.

- The OIIE Intra-Enterprise and Inter-Enterprise IT Architecture (which also incorporates IEC Standards and other industry standards) will be used as is shown in ISO 18101-1.

- These OIIE Use Cases will be validated in the OIIE Oil and Gas Interoperability (OGI) Pilot before they are published and licensed for use on a world-wide royalty free basis.

- Once the jointly developed OIIE Use Cases are validated in the pilot, CII and MIMOSA intend to submit them to ISO TC 184/WG 6 for inclusion in future parts of ISO 18101.

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Full Asset Life-cycle Management

CII/MIMOSA Interoperability – Current Workstreams

- Capital Project Asset Installation
  - Linkage to issued IWPs
- Capital Project Procurement
  - VIRF related use cases
    - Reference material on process for Use Case Development
    - Example data and docs/doc metadata
- Data Model Mapping
  - 3-way (AWP, CCOM, CFIHOS)
  - MIMOSA CCOM Persistence Model
    - Refine use case involving Tags and Properties (proposal is to link it to the purchasing use case)
    - Link to OIIE digital services for exchange, back-end using DB-to-DB mapping leveraging the persistence model
    - Persistence of CCOM in a relational database

CII/MIMOSA Interoperability - JWG Meetings

- Meetings are taking place under terms of the CII/MIMOSA MOU
  - CII Best Practices and related CBAs, including AWP, IM and Supply Chain
  - Related OIIE Specifications for OIIE Primary Components and OIIE Use Cases
  - OIIE Capital Project Use Cases based on CII Best Practices may be co-branded
- Most meetings are virtual
- Meeting Schedule
  - 2nd and 4th Monday of each month at 8 AM US CDT
  - Next JWG Meeting Dates/Times - April 24, 8:00 AM US CDT

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