

PLM Road Map™ & PDT EMEA 2022
 Digital Transformation and PLM – a call for PLM professionals to re-define and re-position the benefits and value of PLM
 CIMdata® 18-19 October -eurostep-

AEROSPACE & DEFENSE PLM ACTION GROUP

Aerospace & Defense PLM Action Group

Founded in February 2014

AIRBUS

BOEING

GE Aviation

Gulfstream®
A GENERAL DYNAMICS COMPANY

Rolls-Royce

SAFRAN

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Aerospace & Defense PLM Action Group

Mission

An association of aerospace & defense companies within CIMdata’s globally recognized PLM Community Program, which functions as a **PLM advocacy group** to:

- Set the direction for the aerospace & defense industry on PLM-related topics that matter to members
- Promote common industry PLM processes and practices
- Define requirements for common interest PLM-related capabilities
- Communicate with a unified voice to PLM solution providers
- Sponsor collaborative PLM research on member-prioritized industry and technology topics

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2

Aerospace & Defense PLM Action Group

Membership eligibility

Regular Membership is available to:

- Major¹ commercial aircraft companies
- Major defense companies – Aeronautics and space sectors only

Associate Membership is available for A&D companies that:

- Are not major A&D companies, or
- Are major A&D companies but do not want to make the full investment of time and money

PLM solution providers participate as guest attendees at specific Group meetings

¹ – Focus on companies that rank within the Top ~50 based on revenue, with design authority

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Project Workstreams Evolution

Check out our booth!

Members prioritize topics and fund research and team projects annually

Topic	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Members	4	4 -> 5	5 -> 7	8 -> 10	10 -> 11	11 -> 10	10 -> 9	9 -> 8
Global Collaboration	Research Phase 1	Research Phase 2		Team Project Phase 3 --	Team Project -- Phase 3 --	Team Project -- Phase 3 --	Team Project Phase 3	Team Project Phase 4
Obsolescence Management	Research Phase 1	Research Phase 2	Team Project Phase 3	Project Close Out				
Model-based Definition (MBD) and BOM Definition			Team Project Phase 1	Team Project Phase 2	Team Project Phase 3 --	Team Project -- Phase 3 --	Team Project -- Phase 3 --	Team Project -- Phase 3
Multiple-view Bill of Material (Multi-view BOM)			Team Project Phase 1	Team Project Phase 2	Team Project Phase 3	Team Project Phase 4 --	Team Project -- Phase 4	Team Project Phase 5
Model-based Systems Engineering (MBSE)				Team Project Phase 1	Team Project Phase 2	Team Project Phase 3	Team Project Phase 4	Team Project Phase 5
Standards Working Group						Team Project Phase 1	Team Project Phase 2 --	Team Project -- Phase 2
Digital Twin/Digital Thread								Team Project Phase 1

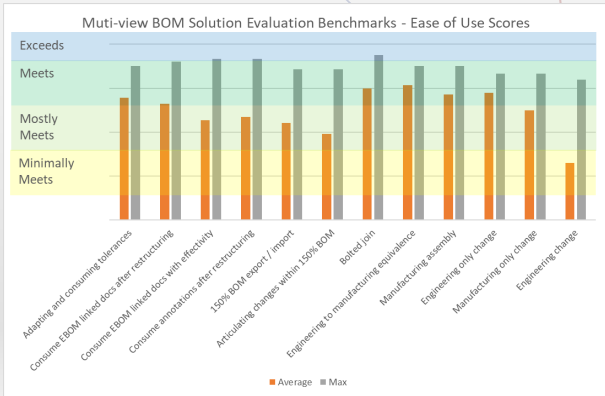
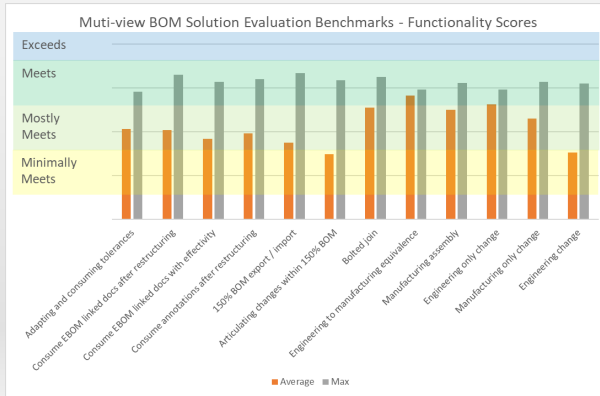
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Multi-view BOM Solution Evaluation Benchmarks

Results

- A&D OEM Multi-view BOM management requirements were met or mostly met by multiple commercially available PLM software solutions
- Usability of commercially available PLM software solutions' Multi-view BOM management capabilities will not inhibit adoption or efficiency



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Communication Strategy

Influence the direction of the PLM ecosystem beyond A&D on PLM-related topics

AD PAG website launched Nov 2017, making AD PAG project artifacts publicly available (at www.ad-pag.com)

Content

- Direction statements (3)
- Research reports (5)
- Position papers (11)
- Benchmark report (1)
- A&D PLM Glossary
- CIMdata A&D webinars (5)
- CIMdata Road Map A&D conference presentations (16)

Status

- First document download by Stephen Burton, Gulfstream
- Over the period from Nov 2017 to May 2022
 - 1,822 individuals
 - 2,752 sessions
 - 17,698 documents downloaded

Industry	Downloads (May2022)
A&D	5,307
Academic	605
Automotive	378
Construction	118
Consulting	924
Consumer Goods	166
Electronics /Hi Tech	535
Fabrication & Assembly	236
Government	412
Mechanical Machinery	222
Medical Device	242
Other	1,763
Other Transportation (non Auto)	146
Process / Petro Chemicals	82
Shipbuilding	202
Solution Provider	6,151
Utilities	209
Total downloads	17,698

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Collaborative Research Program

Study Digital Thread current state and future trends



Sponsors



Objective

The A&D PLM Action Group members and the PLM solution provider sponsors share a common objective for this research

To gain understanding of needs and opportunities within industry that will inform Digital Thread solution strategy and roadmap

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7

Research Program Components

Multiple stakeholder perspectives addressing engagement, dialogue, and contribution

- Announcement webcast: initiating the conversation and encouraging AD PLM professionals to join in
- Interviews with *Digital Thread* thought leaders will be posted on the CIMdata Blog
 - Leaders from Aras, Eurostep, Jama Software, PTC and Siemens DISW
 - Key industrial company customers of the sponsors
 - A&D PLM Action Group members

Please read and comment!
- A global survey targeting industrial end users to understand how they learn about and adopt new technology and their status and plans for *Digital Thread* realization within their companies
- CIMdata will report the results at the end of the program

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8



Global Industrial End User Survey

Line of inquiry – Topics

- Definition of the digital thread
- Significant characteristics of the digital thread
- What has changed to elevate interest in digital thread
- Extent of current implementation and investment plans
- Maturity of digital thread strategy realization
- Inhibitors to digital thread strategy realization
- Product lifecycle views linked as a digital thread
- Digital thread use cases
- Digital thread technologies
- Extent of digital thread community
- Future digital thread investment priorities
- Digital thread implementation configuration(s)
- Gaps in commercial solutions
- Alignment or misalignment with solution providers

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9

Get Involved!

Read and comment on the thought leader interviews, complete the survey

CIMdata will be publishing interviews with *Digital Thread* thought leaders at the sponsor companies and their lead customers, and at A&D PLM Action Group member companies.

Join the conversation at:

<https://www.cimdata.com/blog/>

Please complete the cloud-based *Digital Thread* survey!

ALL industrial respondents who complete the survey will get a summary report of research findings and will be entered into a drawing for one of ten \$100 and ten \$50 Amazon gift certificates.

<https://bit.ly/ADPAGDigitalThreadSurvey2022>

This is a chance for you to influence Digital Thread solution strategy and roadmap and to learn what is going on with Digital Thread in industry

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10

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Further information

For further information or to inquire regarding membership

please contact **CIMdata**

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or

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or

any A&D PLM Action Group member

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11

