



Asset lifecycle management

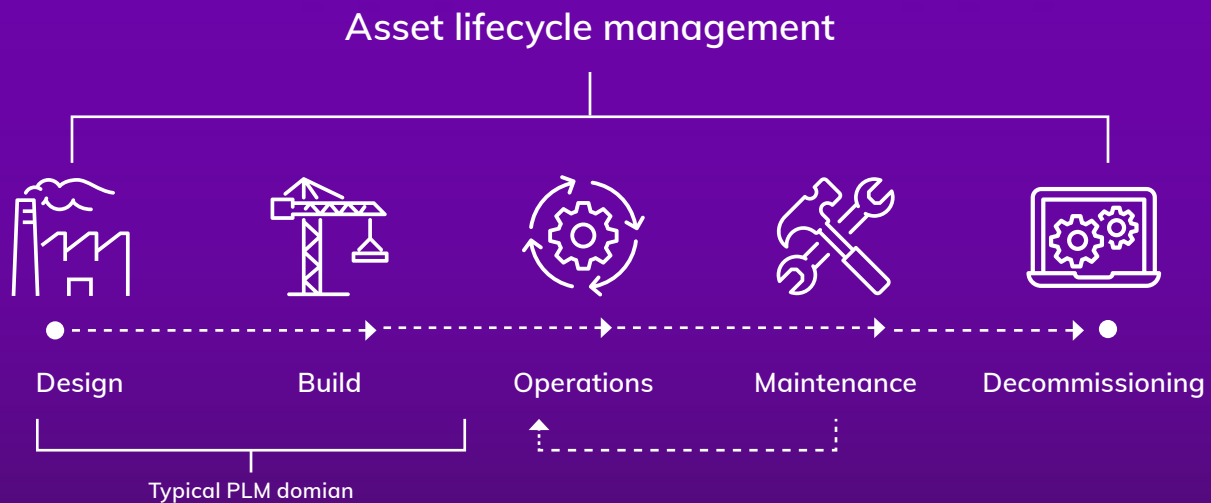
Empower your teams with detailed asset lifecycle management tools for capital projects.



What is asset lifecycle management?

Asset lifecycle management (ALM) is our strategic solution for continuous industries. With ALM, project teams working on large capital assets benefit from the digital asset capabilities traditionally associated with discrete industries. We're working to deliver a set of new and upcoming tools that empower your organization to improve data control and traceability, and significantly expand upon existing PLM capabilities.

ALM provides a data thread from the design and manufacture of an asset, from concept right through to the full operational and maintenance phases of a project and into decommissioning. ALM enables you to benefit from digital insights and capabilities throughout the entire lifecycle of your asset, improving your asset's overall reliability and longevity.



The advantages of ALM in capital projects

- Track changes from conceptual design through project phases and beyond
- Scalable and upgradeable
- Data-centric bill of materials with user views available
- Deploy and commercialize with a tool that serves global, multi-organization dynamics
- Precise change control — no lockout of whole assembly
- Single source of latest data held centrally on premises and in the cloud
- High-integrity digital twin with frictionless data changes via flexible data models
- Data-centric rather than item-centric data management
- A user experience built from the ground up for continuous asset application
- Capture and link requirements to targets such as deliverables or change orders for impact analysis

The ALM vision

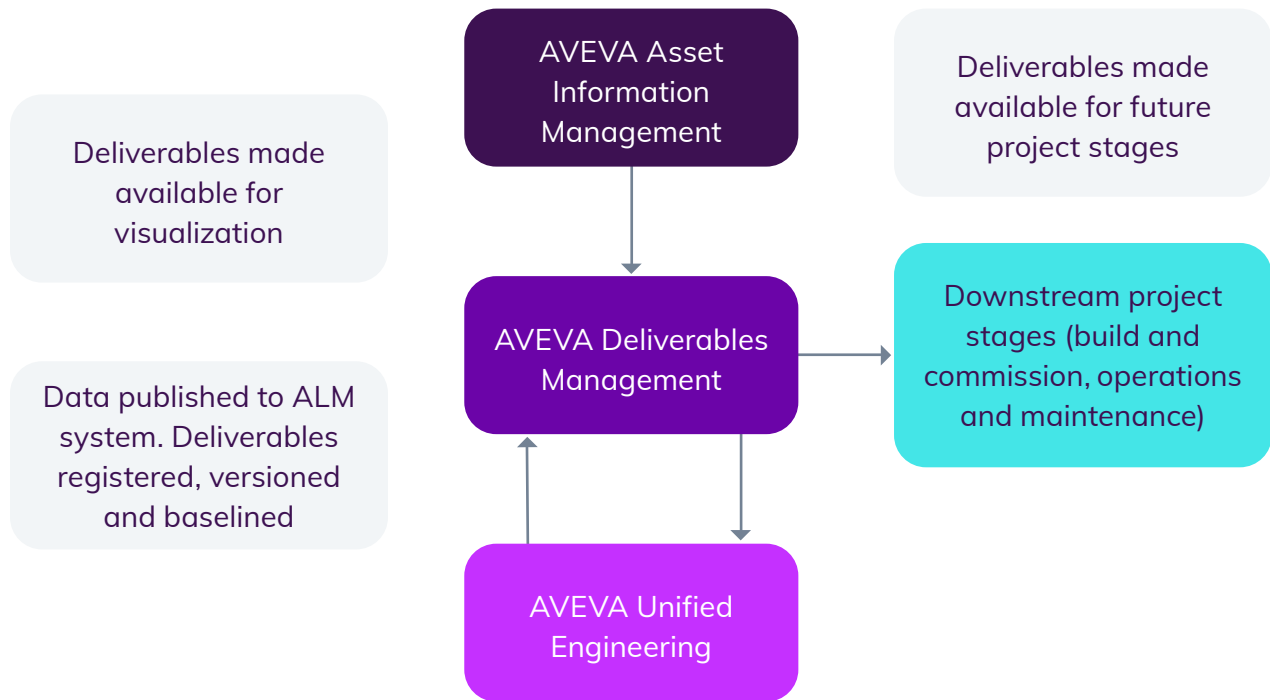
ALM is a journey and partnership with our customers. By partnering with Aras to deliver fit-for-purpose tools, we can leverage our joint domain expertise in the complex capital asset marketplace. This enables us to deliver robust, sustainable lifecycle management solutions for customers, which grow and scale continuously alongside the demands of their industries.

The first stage of our vision for ALM will be releasing AVEVA™ Deliverables Management. We're working closely with our ALM customers, now and into the future, to develop and iterate additional modules to directly answer the questions that they are asking about digital tools.

AVEVA Deliverables Management

AVEVA Deliverables Management implements a detailed engineering system of record for your capital projects. It creates a meticulous audit trail that intakes and registers deliverables data from [AVEVA™ Unified Engineering](#), including 1D, 2D and 3D data such as drawings, databases, diagrams created from authoring tools. This creates a workflow system, which tracks your teams' work at published increments in a central database. Information and comments that are gathered in the central database at the review stage are then returned directly back into the authoring tools, establishing a detailed feedback loop for your team's deliverables.

[AVEVA™ Asset Information Management](#) then accesses the deliverables and acts as a central repository, providing visualization for the project.



McDermott case study

“A lot of the way we work today is rooted in 30-40 year old methodology and tools.”

McDermott provides integrated engineering and construction solutions to the energy industry. It partnered with AVEVA to develop its asset lifecycle management capability across the energy transition, oil and gas, and nuclear sectors.

This collaboration aims to improve user experience for data-centric asset lifecycle management, from planning to disposal. McDermott hopes ALM will reduce costs and risk over the project lifecycle, improve decision-making, achieve better compliance and traceability, and enhance performance across the industrial ecosystem.

“The integration of these two toolsets presents a strong digital-centric execution solution to digitalize industry processes that have been document-centric for too long.”

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Vaseem Khan
SVP Global Operations, McDermott

“There are challenges on integrating and breaking down the silos in the organizations. How do you really get that single source of truth? How do you understand where your project is headed, and what are the potential pitfalls, unless you get that integration? I’m sure we all know the answer today is a lot of spreadsheets and a lot of people and man-hours. We’ve got to break that down, we’ve got to build these integrations so that we can get the information in the right place.”

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Jeff Stroh
Senior Director, Digital & Information Systems Management,
McDermott

