

DiALM: Digital industrial Asset Lifecycle Management



**Drive industrial
asset performance
at reduced total
cost of ownership**

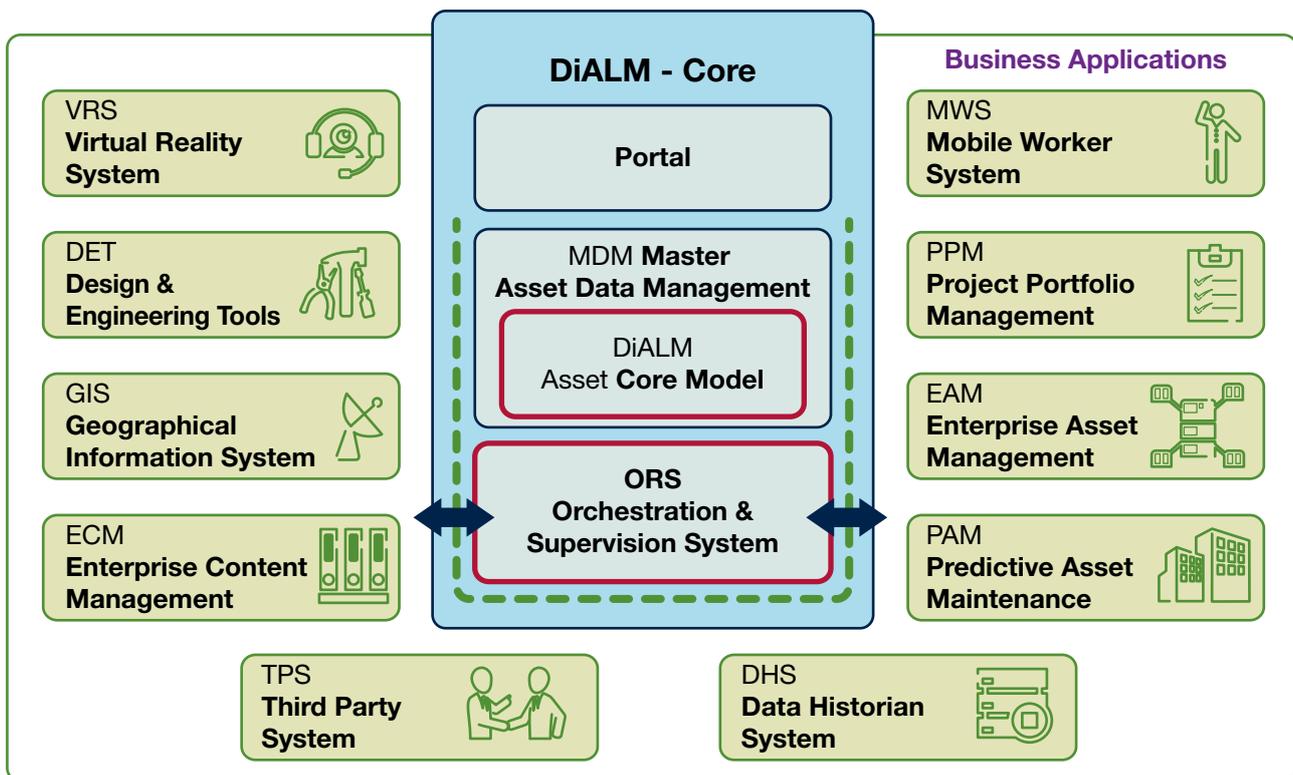
From design to decommissioning, industrial asset managers are challenged to make critical decisions across asset lifecycles. They're expected to tread a fine balance between safety, regulatory compliance, production efficiencies, budgetary constraints, and market pressures. In reality, they struggle to obtain a single instance of asset information from a patchwork of software. The result is bad, delayed, or ineffective decision-making, often leading to expensive project delays, industrial accidents, and penalties.

Lower risks and costs can be achieved when decisions are based on trusted asset information. When digitized and standardized, this information establishes a true digital identity of industrial assets. It empowers asset managers to enhance operational efficiency, comply with the most stringent safety, health, and environmental regulatory frameworks, and improve returns on asset investments.

Capgemini Digital industrial Asset Lifecycle Management (DiALM)

For large enterprises with substantial investments in complex industrial assets, Capgemini DiALM offers a competitive edge through a robust, digital platform to record, organize, validate, and apply asset and process information. By substantially easing the day-to-day decision-making process of asset managers, DiALM reduces risks and costs and prepares your industrial footprint to brace for natural calamities, seasonal production spikes, and planned maintenance shutdowns. While avoiding the common pitfalls of dispersed and incoherent data, DiALM also stands out as an advanced training tool for new entrants in industrial ecosystems – from trainee engineers to COOs .

Figure 1: A Master Data Management platform purpose-built for capital-intensive industrial enterprises



Independent of the source applications, DiALM integrates asset data and allows process orchestration. It incorporates and shares data updates to maintain a trusted digital hub across the enterprise. Additionally, it enables owner-operators and Engineering, Procurement, and Construction (EPC) partners to seamlessly handover digital assets, while retaining their integrity during transitions. In its features and coverage, DiALM offers an incremental approach:

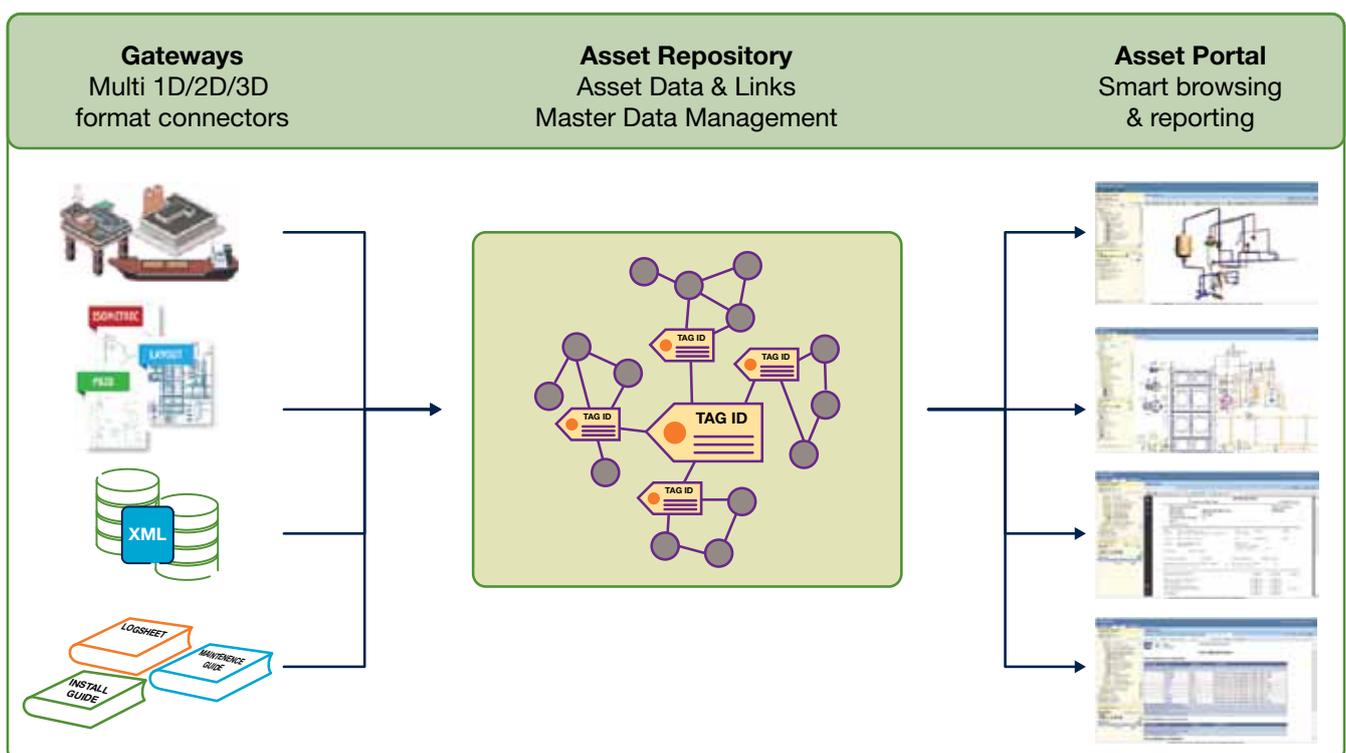
- From critical to less-critical assets, with increasing data depth
- From data acquisition to data production process control
- From pilots to highly available integrated implementations

Moreover, because it is delivered as a service, you pay per use, scale to align with business priorities, and benefit from regular updates. If you must deploy DiALM on premise, Capgemini ensures faster deployment on a license-plus-build basis.

Benefits

- Leverage strengths of each business application within the solution with a single logical instance of data, managing the discrete lifecycle of each business process
- Create and update asset data and control its ownership between applications in a comprehensive repository with continuous data validation features
- Provide accurate, timely, and high-quality insights to a range of plant personnel, enriching their decision-making capabilities
- Improve the lifespan and productivity of industrial assets while mitigating risks at a reduced total cost

Figure 2: The DiALM architecture is based on AVEVA.NET™



Why Capgemini

DiALM is part of Capgemini's Intellectual Property solutions catalog, the Ready2Series. It is a product of the years of joint R&D efforts of Capgemini and AVEVA and benefits from the expertise gained through projects executed for major asset-intensive companies. The Ready2Series is Capgemini's collection of innovative products, leveraged to deliver powerful results to your organization in a short time. With the Ready2Series, Capgemini offers pre-built packages that not only address the requirements of your sector, but also include innovative features you might never have thought of. This is a quicker, more efficient way of providing and consuming IT.

Choosing a Ready2Series product as the baseline of your project allows you to fast-forward to the configuration stage of a pre-designed and tested solution. You benefit from a time-to-market advantage, improved flexibility, and lower costs. Further, because we have implemented these systems with many clients before, you can be sure of reducing project risks and issues.

As a leader in digital transformation, we understand the impact of digital technologies on organizations. Capgemini Consulting, our strategy and transformation arm, is engaged in pioneering research with the MIT Center for Digital business. As a pure digital solution, DiALM also benefits from the findings of this research initiative.



About Capgemini

Now with 180,000 people in over 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2014 global revenues of EUR 10.573 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

Capgemini's Global Utilities Sector serves the top Utilities worldwide and draws on a network of more than 12,000 dedicated sector consultants.

More on industry specific solutions is available at
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