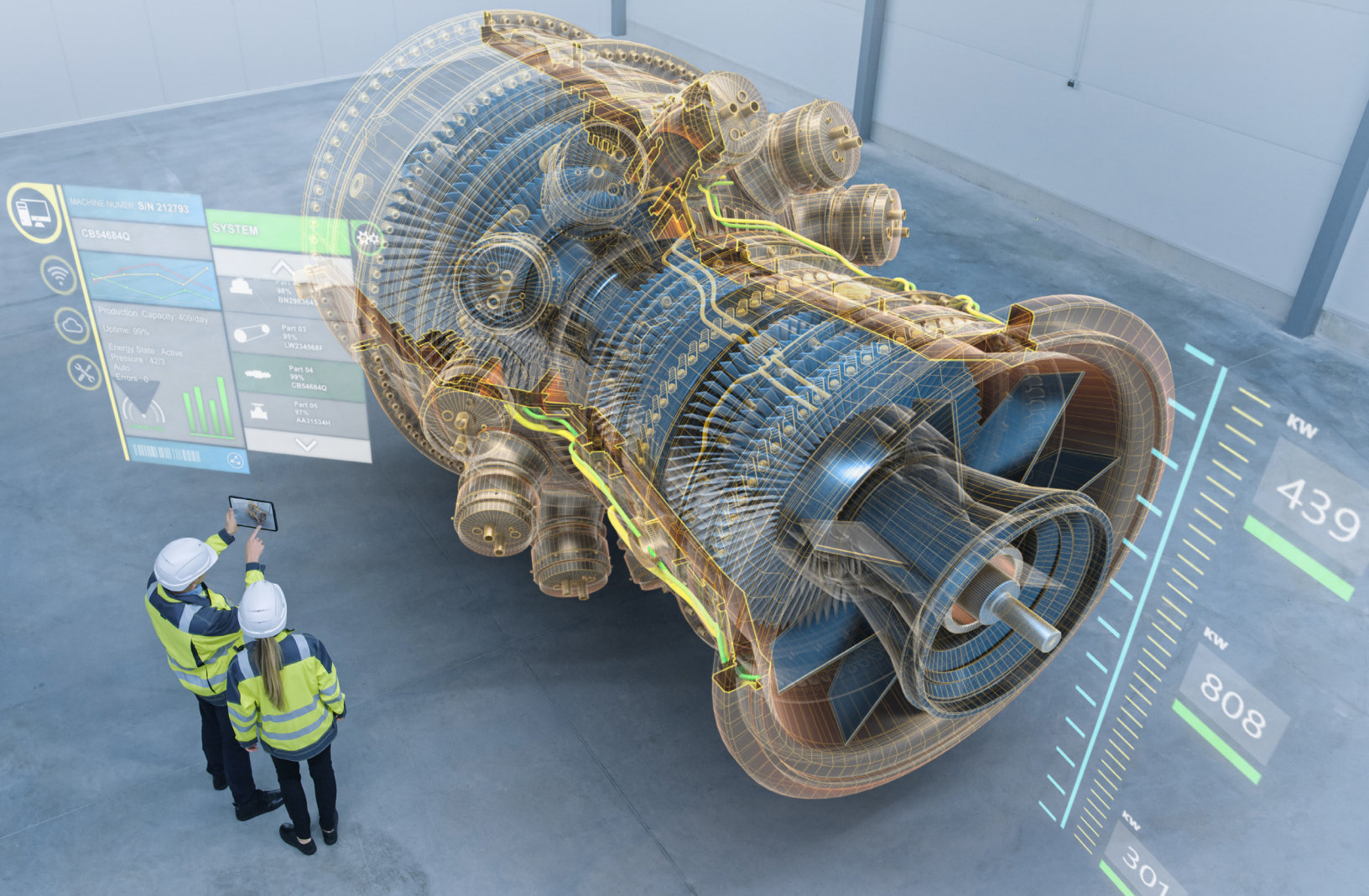




Expand digital transformation with the breadth and integration of AVEVA's digital twin solution



This isn't just a tech evolution. It's a new way for industrial businesses to create value

Once considered experimental, digital twins are now a central and tested part of industrial strategy. Industry increasingly relies on the technology to produce smarter decisions, improve operational efficiency, and achieve measurable business outcomes. The benefits are clear: proven ROI, faster time-to-value, and scalable impact. Capgemini Research Institute notes, "65% higher benefits in the form of increased sales, improved customer satisfaction, reduced costs, and improved sustainability," in the organizations that have most fully integrated digital twins into their current operations and future organizational vision. **Projections** show the digital twin market will reach \$149.81 billion by 2030, with a compound annual growth rate of 47.9% from 2025 to 2030. **IDC** predicts that 35% of G2000 companies will employ supply-chain orchestration tools with digital twin capabilities by 2027. The question is no longer whether or when to adopt digital twins—but how to implement them at scale to deliver the greatest and longest-lasting impact.

Business needs & customer challenges

Industrial organizations generate torrents of information. Efficiently channeling this information into action, however, presents a real difficulty. For example, operators might have to reconcile real-time sensor readings with decades-old engineering documents, even as this information is often siloed across incompatible systems. Businesses face delays, inefficiencies, and an increased risk due to limited or inconsistent data standards, poor information transfer across design, construction, and operations, as well as a lack of trust in existing data. Reactive maintenance strategies—and unplanned downtime—reduce asset productivity by **5–20%**. The average manufacturer confronts 800 hours of equipment downtime per year. This downtime collectively costs industrial manufacturers as much as **\$50 billion each year**. When organizations scale operations across multiple sites, they only amplify these challenges. Companies need a solution that can unify data, harmonize processes, and provide real-time, actionable insights.

AVEVA's industrial digital twin: a single, scalable digital twin for your entire asset lifecycle

AVEVA delivers a unified, open, and vendor-neutral industrial digital twin framework—powered by **CONNECT industrial intelligence platform**. Our extensive portfolio helps to break down functional silos. CONNECT seamlessly integrates data models, engineering, operations, and IT data across the entire design–build–operate–optimize lifecycle, supported by AI. Using flexible deployment across hybrid cloud and on-premises environments, organizations can scale with confidence while leveraging existing datasets, models, and visualizations developed by AVEVA and colleagues across the organization. The platform provides role-based dashboards and embedded AI-driven analytics for smarter, faster decision-making. It also supports what-if scenario planning to enhance safety, optimize performance, and manage risk. Designed for security, scalability, and ease of use, CONNECT empowers teams with intuitive low-code and no-code tools, reducing reliance on IT and accelerating responsiveness. It's a single, integrated solution that breaks down silos, connects people to actionable insights, and delivers measurable business outcomes.

Key use cases

- Reduce risk associated with capital projects
- Smooth handoff of capital projects to operations
- Optimize asset utilization and extend asset lifespan
- Find new ways to increase sustainability through energy savings and minimizing waste
- Streamline decisions once dependent on experienced, senior staff
- Simplify complex processes and multi-vendor supply chains
- Uncover inefficiencies and improve outcomes
- Predict failures and prevent downtime



AVEVA's digital twin delivers faster time-to-value, with less effort

AVEVA lets you extend digital twin insight to more of your business. By combining our broad industrial software portfolio with the vendor-neutrality of CONNECT, you can achieve flexibility, scalability, and long-term value. Our solution lets you seamlessly integrate analytic results into other applications—on-premises or in the cloud. There's no need for custom integration. You can cost-effectively scale using hybrid infrastructure and easily leverage existing datasets, models, and visualizations developed by AVEVA and colleagues across your organization.

AVEVA has been a stable leader in industrial software for over 50 years and offers a broad portfolio of solutions across the industrial lifecycle, which provides benefits from solutions for capital project design and construction, operations control and monitoring, and maximizing efficiency, production, asset reliability, and supply chains. AVEVA uses AI, low-code tools, embedded data standards, and enterprise-grade data security standardization to enrich our products, and we're continually optimizing them for ease of integration. We have a rich library of success stories for a wide range of use cases, covering every vertical segment.

Invest in a digital twin designed for long-term value

Digital twins are key for continuing digital transformation. Make sure your solution not only addresses immediate needs but also easily supports new use cases.

Case studies



SCG Chemicals achieved 100% plant reliability, up from 98%, and delivered a remarkable 9X ROI in just six months. It built a digital reliability platform with CONNECT and AVEVA's engineering, operations, and AI solutions.

[Learn more](#)



Bruce Power saved 1,000 employee hours through faster data retrieval, achieved 15% fewer repeat walkdowns and field checks, and delivered 50% savings in cost and schedule. It used CONNECT and AVEVA's engineering and operations solutions.

[Learn more](#)



AMCOR achieved a 2% year-over-year improvement in OEE, a 3% gain in cycle time, and a 1–2% reduction in downtime through AI-driven analysis. With CONNECT and AVEVA's operations and AI solutions, AMCOR is growing its business at its own speed.

[Learn more](#)



Cosmo Oil achieved \$2.3 million in annual benefits from process optimization, with payback realized in under one year. By making more informed decisions using AVEVA's engineering and operations solutions, the company accelerated ROI and increased efficiency across its operations.

[Learn more](#)

