

How EPC companies are building the plant of the future

Create business resiliency based on transparency, collaboration, and digital twin creation

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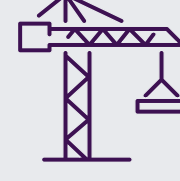
Owner Operators are shifting strategies to balance efficiency and sustainability.

As a result, Engineering, Procurement, and Construction (EPC) companies must innovate to deliver successful projects with lower carbon footprints – or lose to competitors who do.



95%+

of major projects today are **delayed or over budget**¹

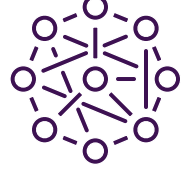


USD 1.6 trillion

global value opportunity through **productivity improvements** in the construction industry²

Efficiency challenges of large capital projects

Executing large capital projects involves:



Vast quantities of **data and documents**



A variety of **information systems**



Large numbers of **highly skilled personnel**

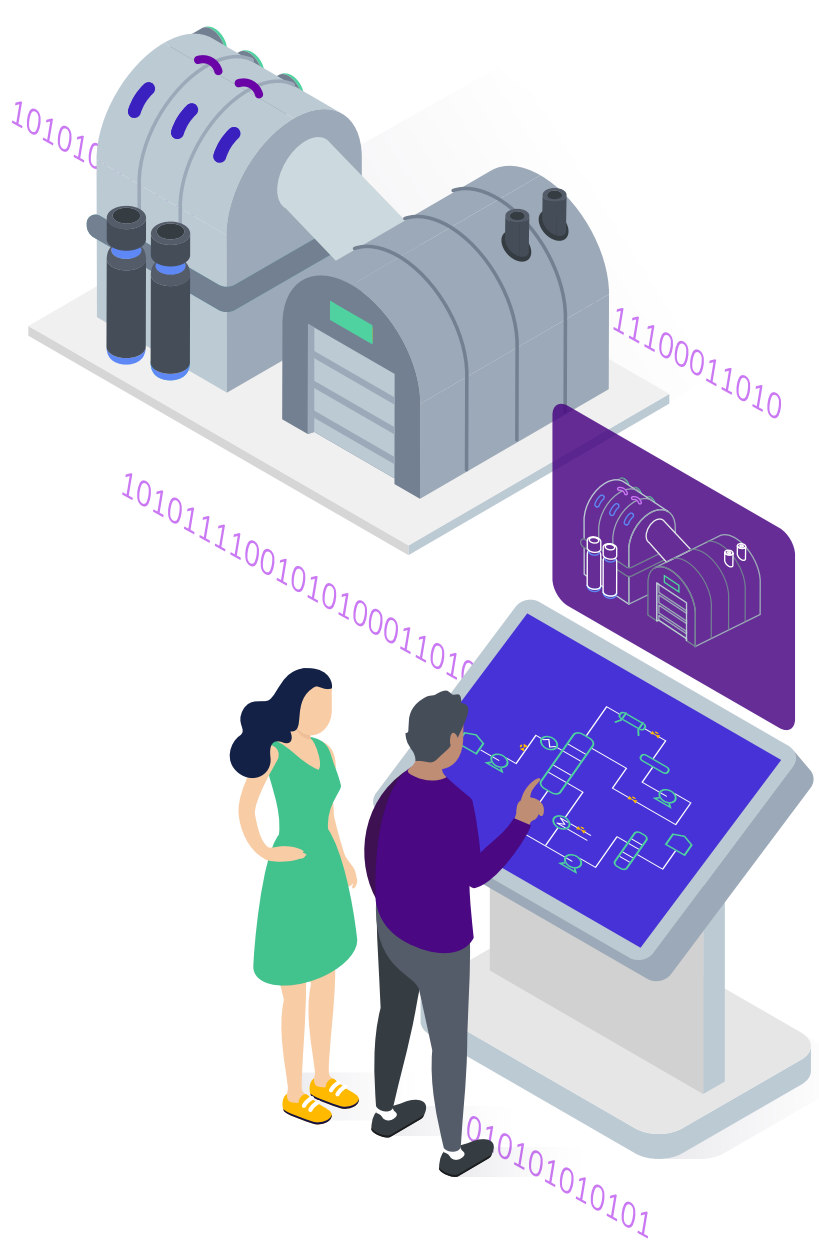
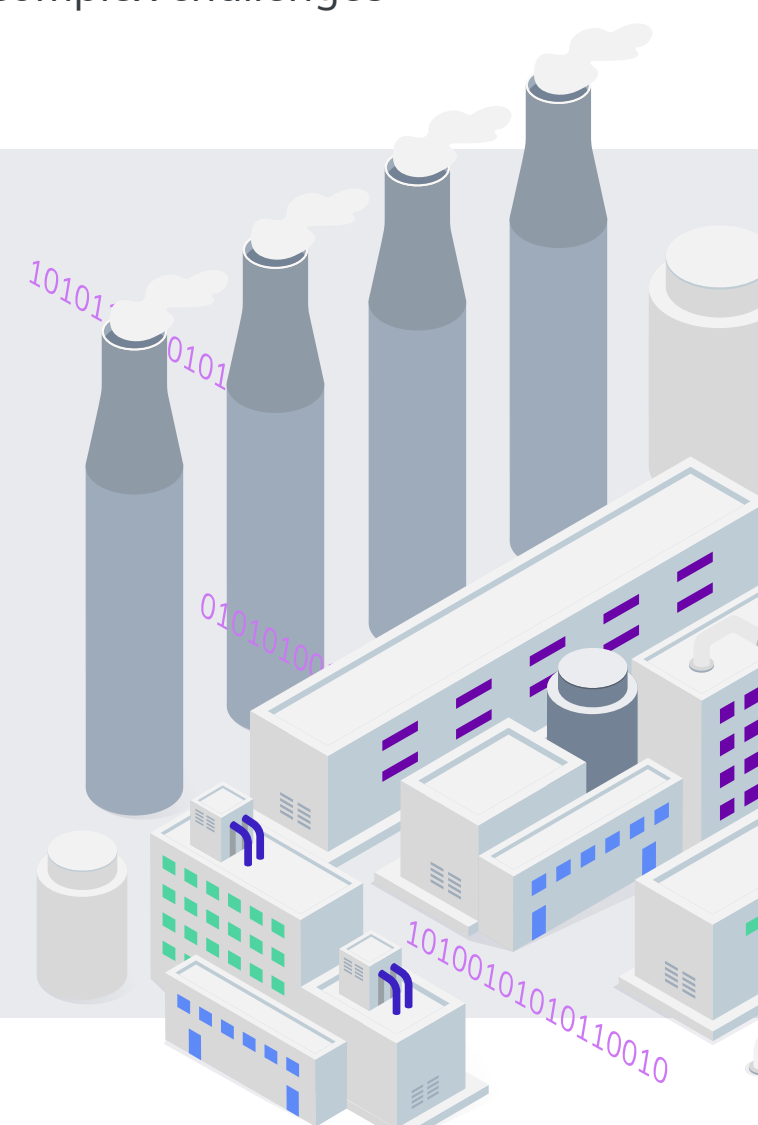


Mitigating risk due to highly complex challenges

Every project is unique

Greenfield plants built today and in the future will be engineered and executed digitally. All engineering disciplines, across geographic locations and corporate firewalls, will work on shared platforms on the cloud to eliminate siloed working, improve transparency and achieve maximum engineering efficiency all while seamlessly contributing to a digital twin that matures alongside the project.

Brownfield projects, where updates are made to old assets, can modernize operational assets without significant capital investment or massive business risk. Use of digital twin technology on legacy operational plants allows connected workers to familiarize themselves with existing installations and enables them to try out various solutions before undertaking modifications or repairs.



How a digital twin supports efficiency

The cloud-enabled digital twin aligns all teams and disciplines around a single source of trusted data. It provides end-to-end visibility of the capital project to operations, breaking down silos and fostering a culture of trusted collaboration and innovation.

10-20% improvement

in operational effectiveness can be derived from a digital twin approach³

Success story

Promon, an energy plant solutions provider in Brazil, reduced time spent on engineering and installation with AVEVA's flexible, scalable engineering and simulation tools⁴

60% faster project implementation

[Read more](#)



AVEVA: Delivering sustainable business value for over 50 years



20,000+ industrial enterprises



6,500+ employees



5,500+ partners



5,700+ certified developers

The connected, digital plant of the future starts here

AVEVA's solutions provide Owner Operators and EPCs with comprehensive digital engineering solutions that span greenfield plants, capital projects, brownfield plants, and Digital Twin initiatives.

[Learn more](#)



Sources

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