



KONGSBERG

Kognitwin[®]



Maximise uptime, minimise risk and drive operational excellence

Leaders in the heavy-asset sectors encounter significant challenges related to safety, efficiency, and complexity on a daily basis. Disconnected systems and departments result in fragmented data and poor collaboration, which can delay critical decisions. Unexpected equipment failures or inefficiencies can result in costly downtime and decreased productivity.

Scaling sustainable energy solutions like carbon capture, hydrogen, and offshore wind requires accurate, contextualised data for planning and execution.

Kognitwin enables you to access, analyse, and act on your industrial data in a unified virtual environment across all disciplines.



Strengthen productivity through better engagement

Imagine a digital twin of an asset – like an oil platform or chemical plant– where you can get a holistic overview of your operations and manage workflows 24/7 from one work surface. Kognitwin is a digital industrial platform that provides unparalleled access to assets through advanced digital twin technology, seamlessly integrated with AI and simulation capabilities. Users can plan, manage, collaborate, and execute their end-to-end workflows more effectively, all from one centralised interface.

Get a holistic overview of a facility and its operations

Kognitwin facilitates a virtual environment where your industrial data can be accessed, analysed, and actioned across all disciplines.



Ensure safer, more cost-efficient, and sustainable operations

Energy companies use Kognitwin daily to enable better decision-making, maximise business performance, and drive value across the organisation.



Break down silos and democratise data

Kognitwin helps break down both project and operational silos — and provides a single source of the truth for key stakeholders across business units.



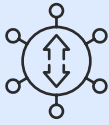
Streamline your work in one environment

Kognitwin facilitates an integrated space for one or multiple assets that enables stakeholders to monitor performance, plan activities, drive insights, optimise facilities, and help ensure safe operations.



Enable data-driven decision-making at scale

Reduce R&D costs by applying hybrid machine learning capabilities to run real-time, what-if and look-ahead simulations, virtual metering, and hybrid analytics.



Accelerate and scale decarbonisation efforts

Leverage digital twin technology to contextualise sustainable energy assets, including oil, gas, hydrogen, carbon capture and storage (CCS), offshore wind, and electrification.



The solution in action

Plan and execute complex work faster and more effectively

Norske Shell (Shell Norway) wanted to optimise production, operate sustainably, and keep its workers safe. However, the consequences of an unexpected issue that leads to downtime can be expensive — and even catastrophic.

By recognising the value of data, embracing digitalisation, and using digital twin technology, Shell has positioned themselves as a leader in a very competitive sector.

Kognitwin – also known as “The Twin” – [now enables Shell Norway](#) to spot potential failures before they occur, maximise uptime through more effective isolation plans, predict energy consumption more accurately, and more.

Turning data into action for a safer, smarter future

Today’s energy leaders face a high-stakes balancing act—maximising productivity while minimising downtime in an increasingly complex landscape. Fragmented data, operational silos, and unexpected downtime make it harder than ever to stay ahead.

At the core of the Industrial Work Surface, digital twin technology provides a single source of truth, breaking down

barriers, enhancing collaboration, and enabling faster data-driven decision-making with confidence.

By optimising efficiency, maximising uptime and accelerating progress towards sustainability goals, companies can drive safer, smarter and more cost-effective operations.

“In the first year of using Kognitwin, we developed use-cases to reduce our operating cost by about three million US dollars, which actually beats the investment.”

Rolf Einar Sæter,
Business Improvement and
Technology Manager, Norske Shell