



# KONGSBERG

# Microsoft Partner

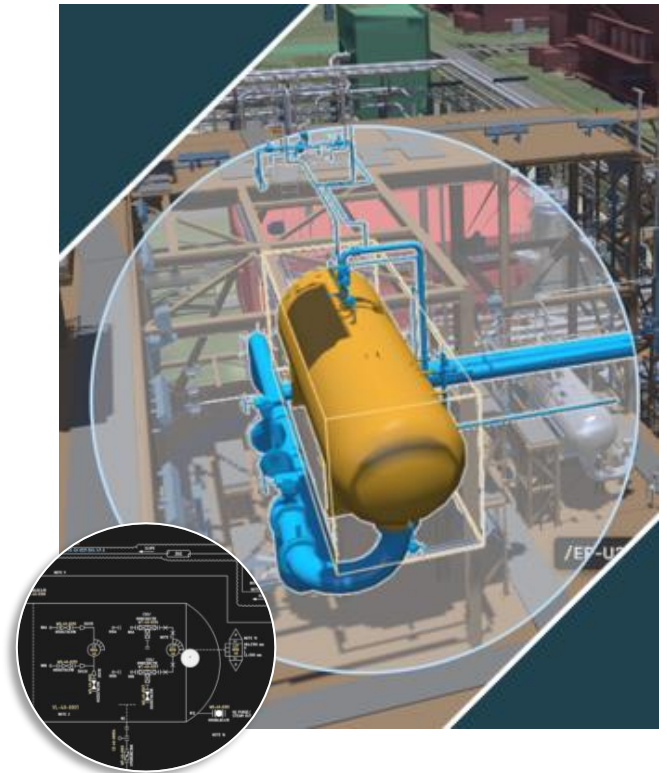
## Transform operations with Kognitwin, the digital twin ecosystem

### Kongsberg Digital

Kongsberg Digital, an industrial SaaS-software company, empowers customers to automate tasks and maximize value throughout the lifespan of their assets. Our dedication to constant innovation, coupled with our expertise in data science, technology development, and domain knowledge, allows us to pioneer transformative technologies.

### About Kognitwin

Kognitwin is a digital twin ecosystem that will enable customers to transform how they manage assets. Users will be able to use a single Industrial Work Surface to drive insights, plan activities, monitor performance, optimize facilities and ensure safe operations across the entire asset portfolio. Remote operations teams will be able to collaborate closely with onsite personal that are in the office or in the field with a mobile device.



#### Asset Operations

#### Safe Operations

#### Maintenance & Turnaround

#### Lower Carbon



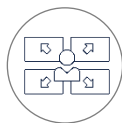
Real-time Viewer



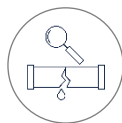
Situational Awareness



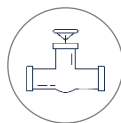
Proactive Tech. Monitoring



Simultaneous Operations



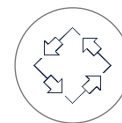
Risk Management



Isolation Planning



Work Baskets



Corrosion Loop Management



Emissions Management



Energy Management

*\*Extensive list of app experience available upon request*

### App Experiences enabled by a full facility Digital Twin foundation

#### Knowledge Graph

All the asset IT and OT data contextualized and easily searchable

#### Advanced Visualization

2D/3D visuals provide spatial awareness and enriched engineering docs

#### Dynamic Models

AI enabled analytics that combine past, present, and future performance

# Why Kognitwin?

## Agile Deployments at Scale

Kognitwin is a data driven platform that can create a fully digital replica of an asset in 30-60 days. Kongsberg Digital works closely with our customers to standup teams that accelerate deployments across your entire asset portfolio (refineries, platform, subsea, manufacturing, LNG, etc.).

## Interoperability is our Strategy

We are dedicated to remaining interoperable which ensures we can deliver the most complete knowledge graph regardless of the underlying vendor solutions. While we prefer to use modern integration protocols like REST and OPC UA we also understand our customer may be early in the digitalization process.

## Multi-purpose Cloud Simulation

Kognitwin Simulation has combined physics models with artificial intelligence to provide hybrid analytics capabilities that are transforming operations. Real-time performance monitoring, virtual/synthetic meters, and “what-if” scenario analysis are all delivered via a cloud native solution.

## Cross-functional App Experiences

We build upon our digital twin foundation by delivering App Experiences that combine contextualized data, advanced visualizations, and dynamic simulation to provide truly transformational capabilities and workflows.

# What are customers experiencing?

+15,000

### +15,000 users globally

At-scale delivery of digital twin technology to integrated energy companies, to thousands of users across multiple assets.

85%

### 85% of users are more efficient

With one system to plan, execute and closeout work, 85% of users feel they are more efficient.

\$MM

### \$MM USD Savings and Cost Avoidance

Customers have experienced millions of dollars in savings through failure prediction, turnaround time reduction, and workforce efficiency

### What customers are saying:

*“It supports our front-line operations to better leverage insights from big data, transforming ways of working to unlock value and increase resilience in the changing business environment.”*

- Yuri Sebregts, Shell CTO

