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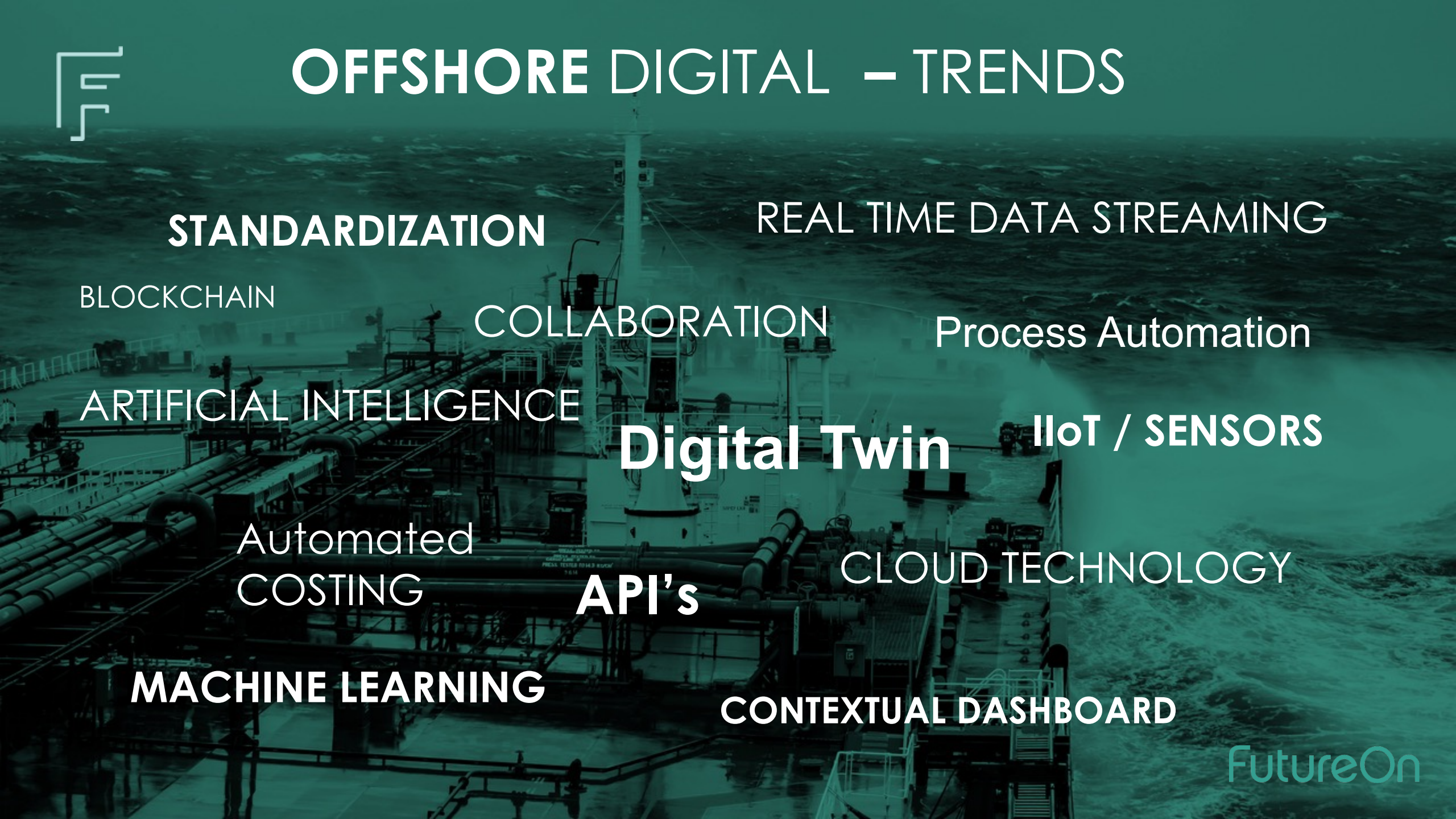
See More. Make More.
Thornton Brewer
Marketing Manager
OFFSHORE TECHNOLOGY CONFERENCE
Spotlight on new TECHNOLOGY

OFFSHORE DIGITAL – TRENDS



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DIGITAL OFFSHORE:
A BIG DATA DELUGE

"Forrester Research estimates that **between 60% and 73%** of data that enterprises have access to **goes unused** for business intelligence and analytics"

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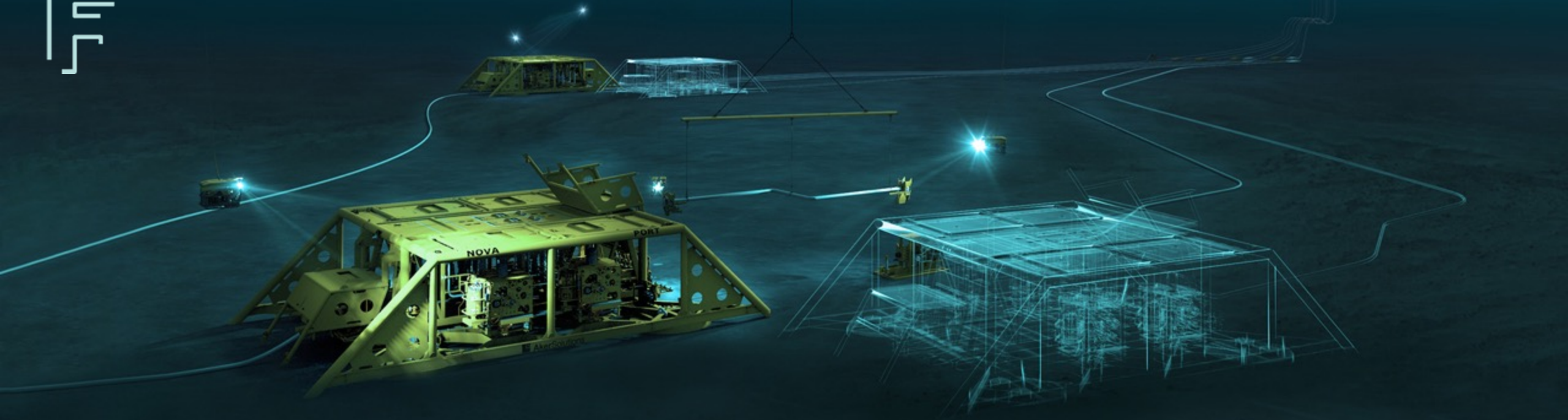
SUBSEA **DIGITAL TWIN**

Smart Visual Representation of Real Assets

FieldTwin™



Reduce Costs

- Accelerate decision making across all phases.
- API based architecture creates digital dialogs

Reduce Risk

- Single Source of the Truth
- Secure & controlled access

Increase Efficiency

- Centralized cloud storage of all engineering data
- Real-time insight from IoT and sensors

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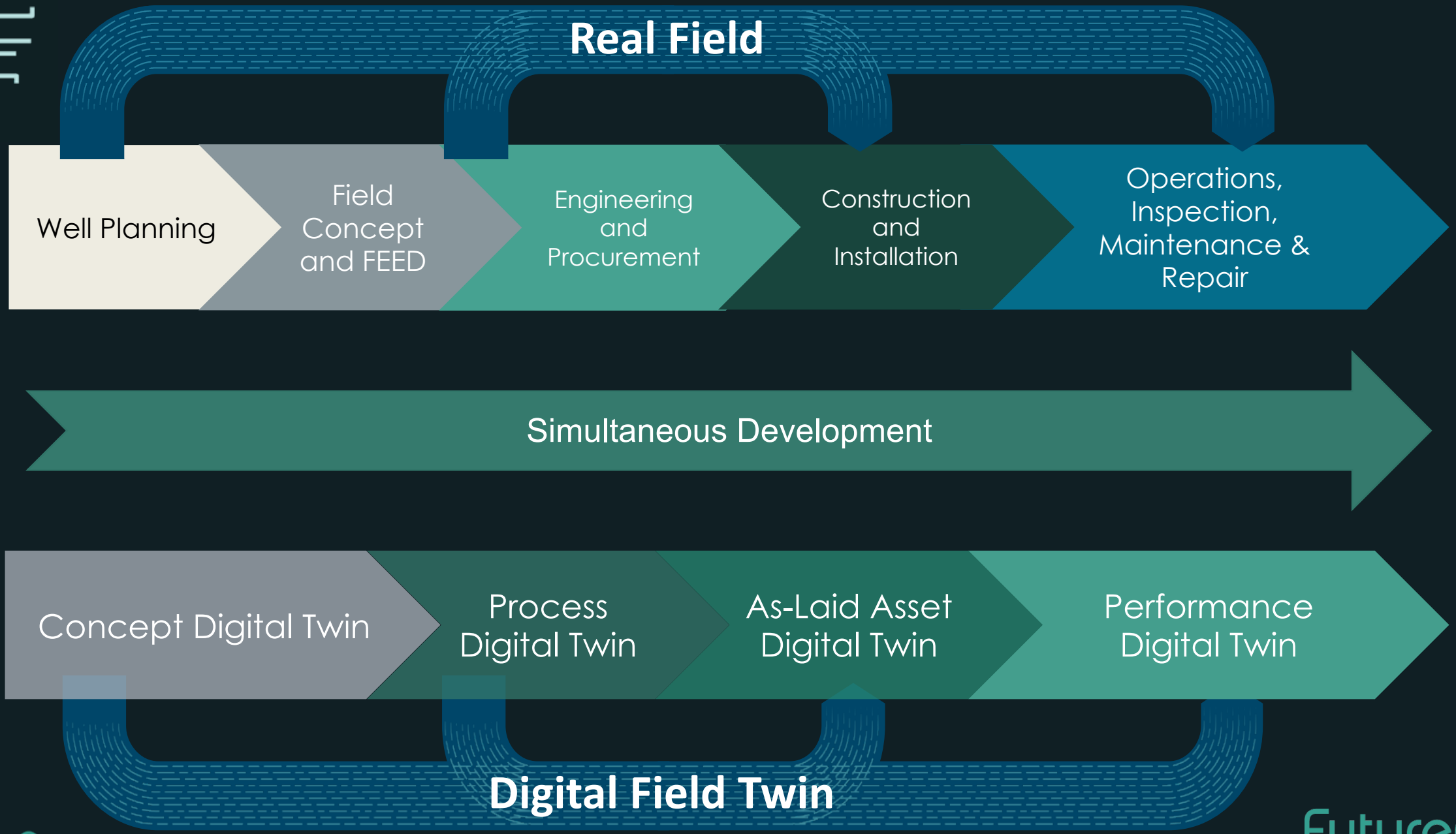
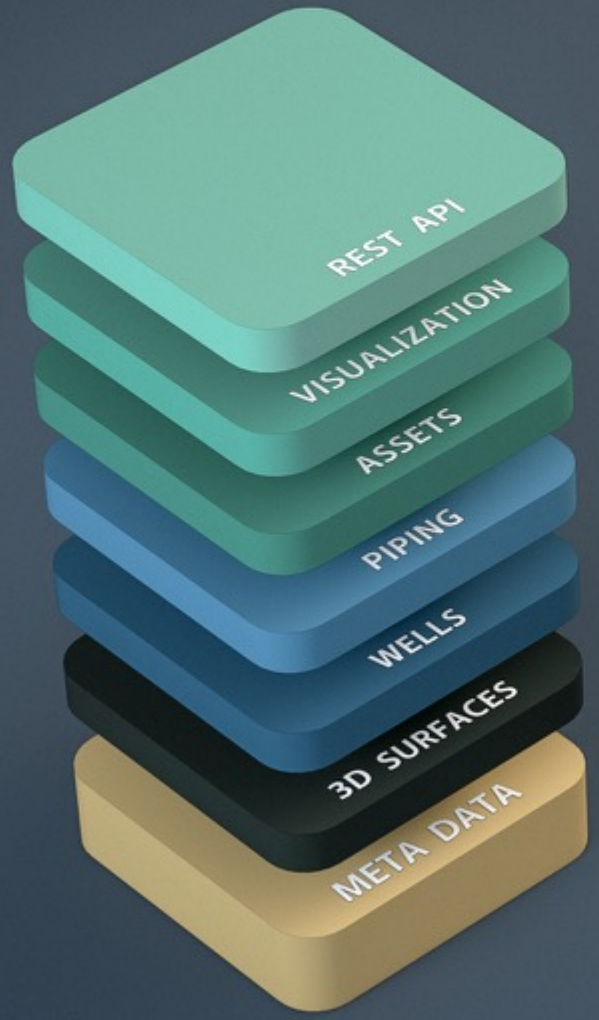

Real Field
Well Planning
Field Concept and FEED
Engineering and Procurement
Construction and Installation
Operations, Inspection, Maintenance & Repair
Simultaneous Development
Concept Digital Twin
Process Digital Twin
As-Laid Asset Digital Twin
Performance Digital Twin
Digital Field Twin



RESERVOIR MAPS

PIPELINE / WELL PATHS

GIS AND MAP DATA

BATHYMETRY SURVEYS

EQUIPMENT ASSET DATA

AS-BUILTS - P&ID'S

HISTORICAL ARCHIVES

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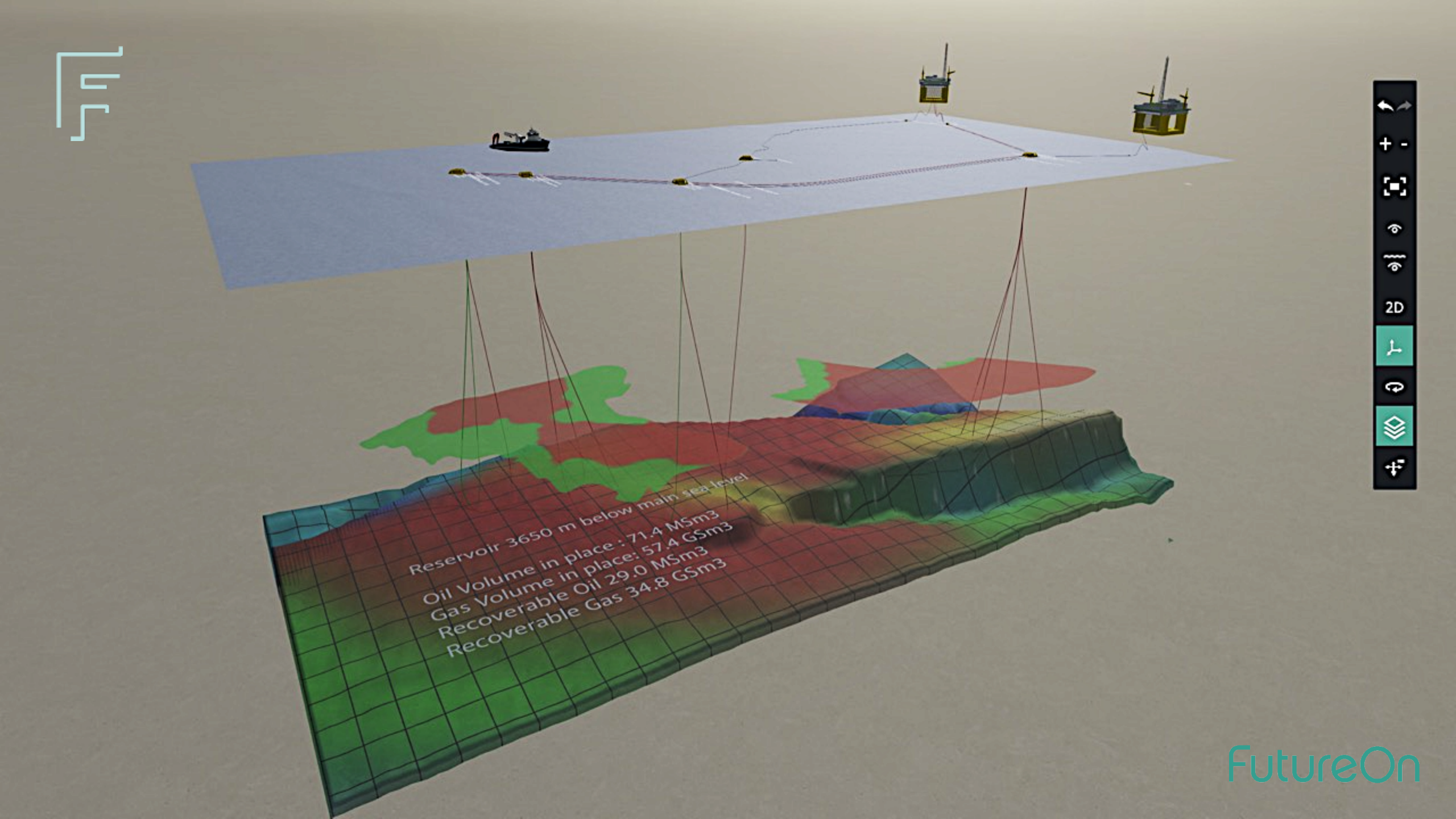
Reservoir 3650 m below main sea level
Oil Volume in place : 71.4 MSm3
Gas Volume in place: 57.4 GSm3
Recoverable Oil 29.0 MSm3
Recoverable Gas 34.8 GSm3
2D
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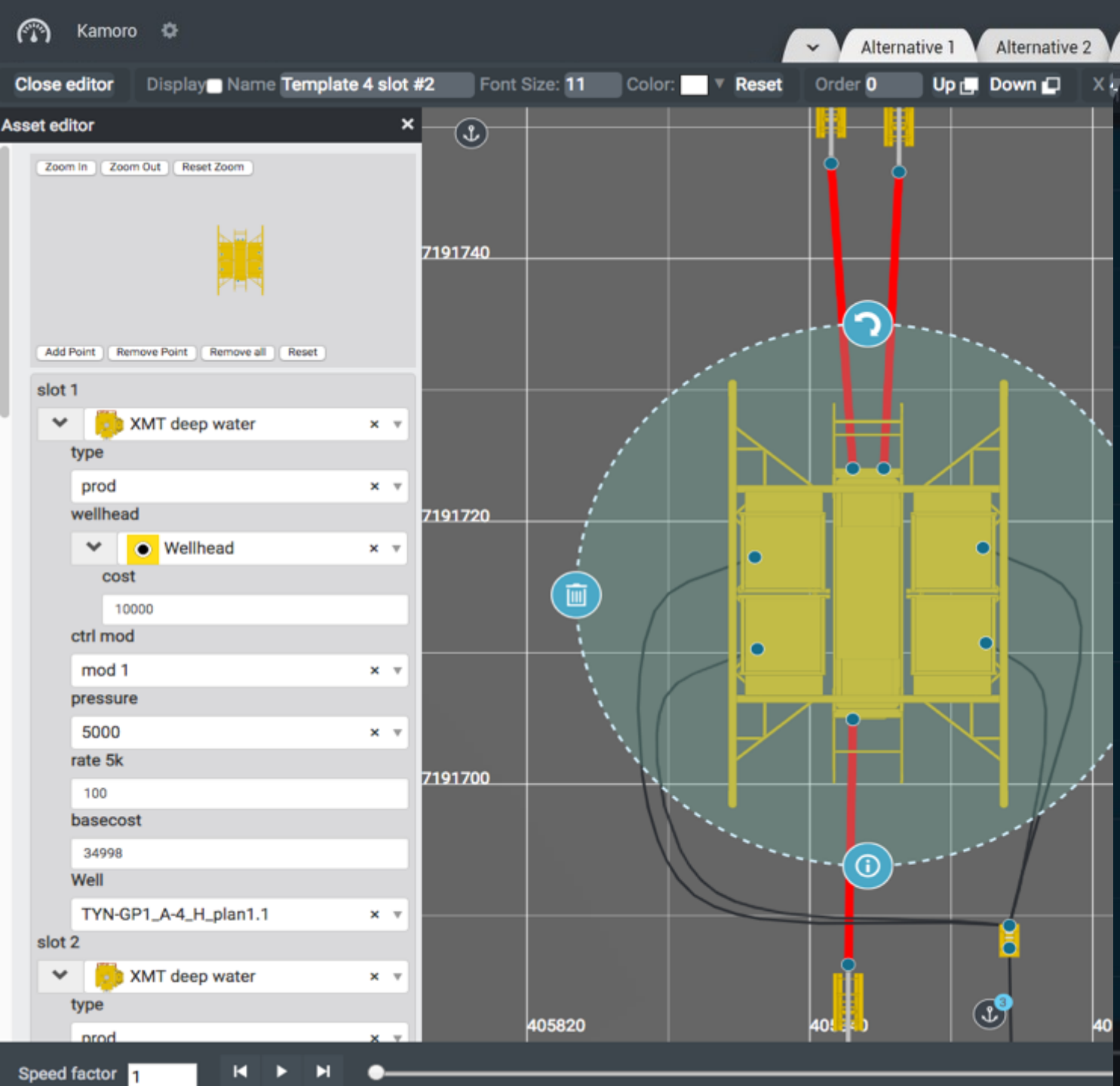

DATA DRIVEN DESIGN

Use Meta-Data to build or link your own data model to your private Asset Library or use the Generic library for equipment and costing options while designing the field.

META DATA EDITOR

Easy to use UI allows you to define your various equipment configurations and options and link them to your VendorID, WBS, cost specifications etc.

ATTRIBUTES

Wide range of data types, units, and input options for user selection on assets, connectors and connections.

REST API

Populate, update, edit or delete the assigned attributes programmatically with your own data from your backend system to integrate with your workflow.

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SUCCESSFUL ADOPTION OF DIGITAL **TRANSFORMATION**

- Collaboration across the board
- Single Source of the data truth
- High Quality of communications
- Accelerated decision making
- Always on, cloud-first architecture
- Open access to all data
- 100% digital working environment

- **Substantial cost saving**
- **Reduced time to market**
- **Improved operability**
- **Strengthened risk management**

IMPROVED PROJECT PERFORMANCE

Accelerate FIRST OIL

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