

# The power of digital: autonomous drilling

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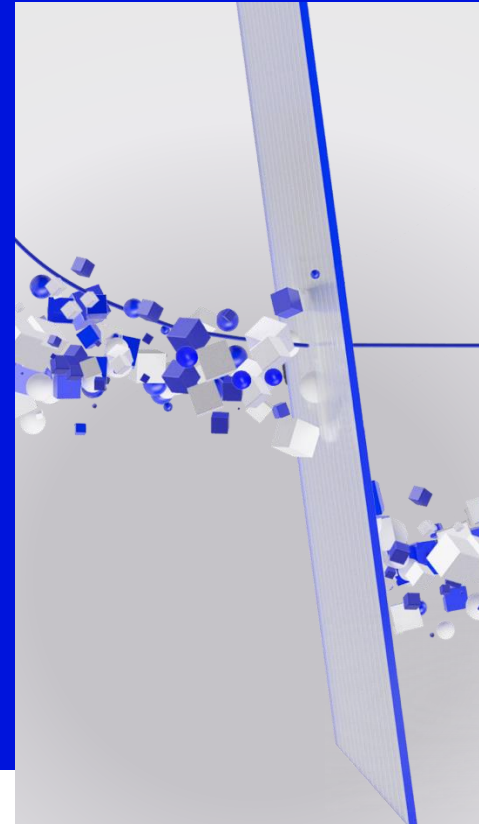
# Well construction

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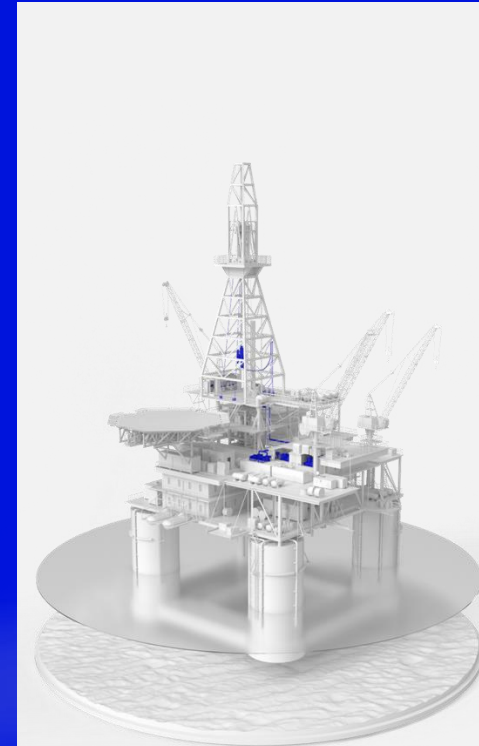
## Challenges



**Multiple parties  
working in silos**



**Inefficient  
processes**



**Well construction  
spend**

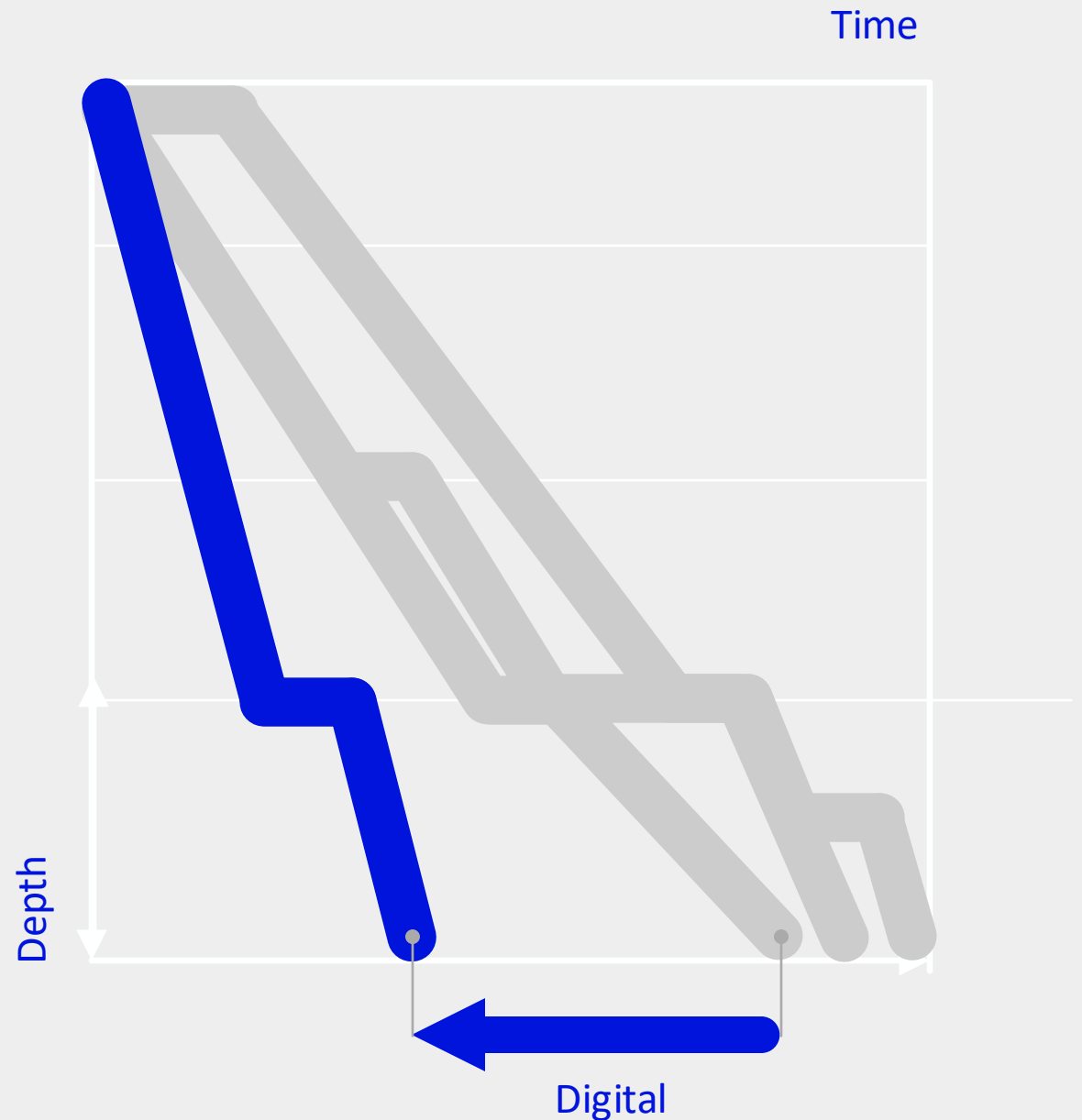
# Why now?



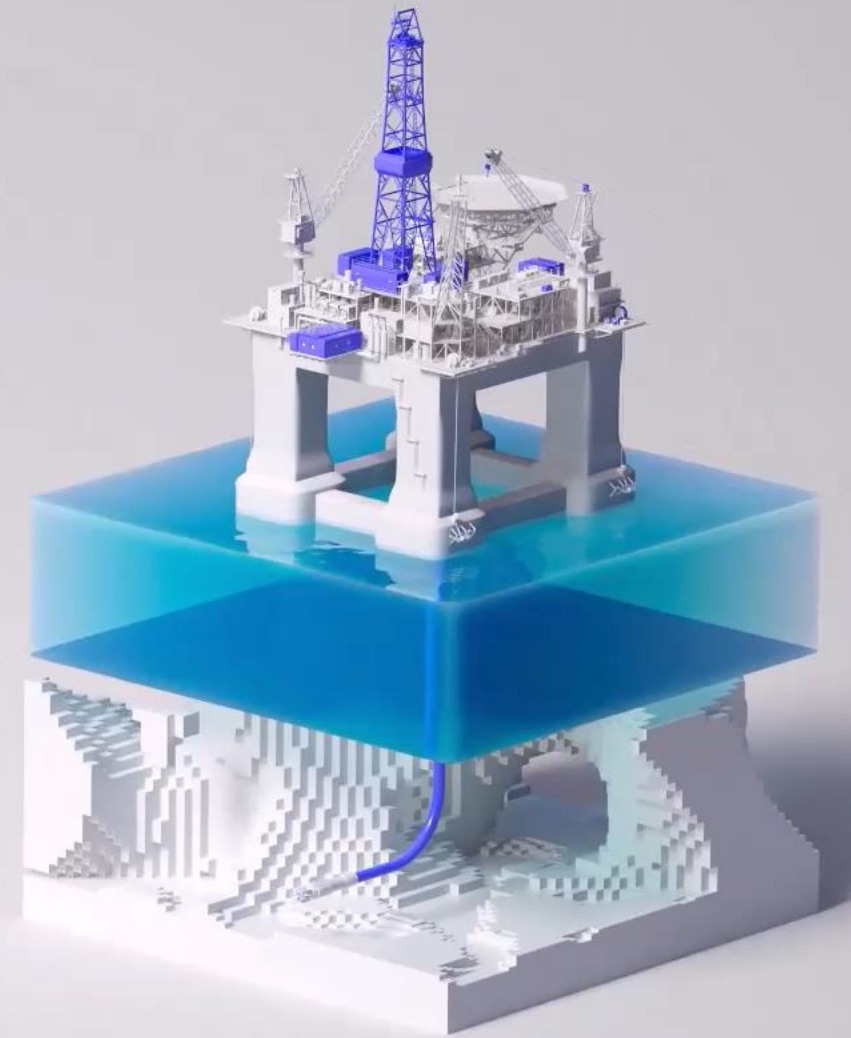
Cost

Cycle time

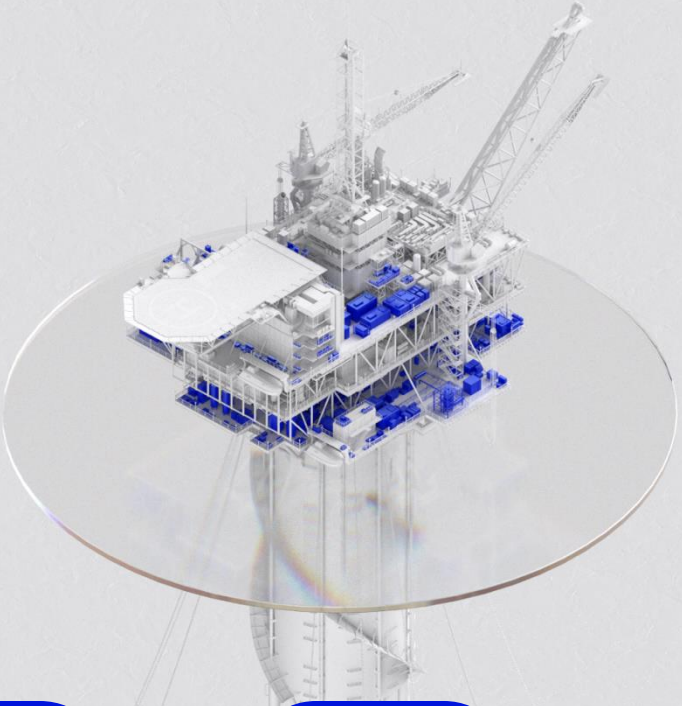
Carbon



# Transform well construction lifecycle



# Digital drilling in action



**99%**

Drilled 2.6 km  
in autonomous  
control mode

**60%**

Increase in  
ROP

**12%**

Reduction  
in CO<sub>2</sub>

**6 wells**

Autonomous  
control mode  
deployed

**100%**

Increase in  
ROP

**18 rigs**

Ongoing rollout  
over  
10 countries

# What's next?



**Collaboration  
and partnerships**



**Openness**



**Value incentives**

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- Subsurface integration
  - Automated engineering
  - Rig automation | surface
  - Downhole automation
  - Autonomous drilling
  - Procedural adherence
  - Intelligent predictive alarms
  - Autoprofiler & Autolithology
  - Automated daily reporting
  - KPIs and lessons learned

Thank you

