



# Delivering Critical Decision Support to Energy Providers

Better Decisions | Martin Løland | Product Manager DynOps

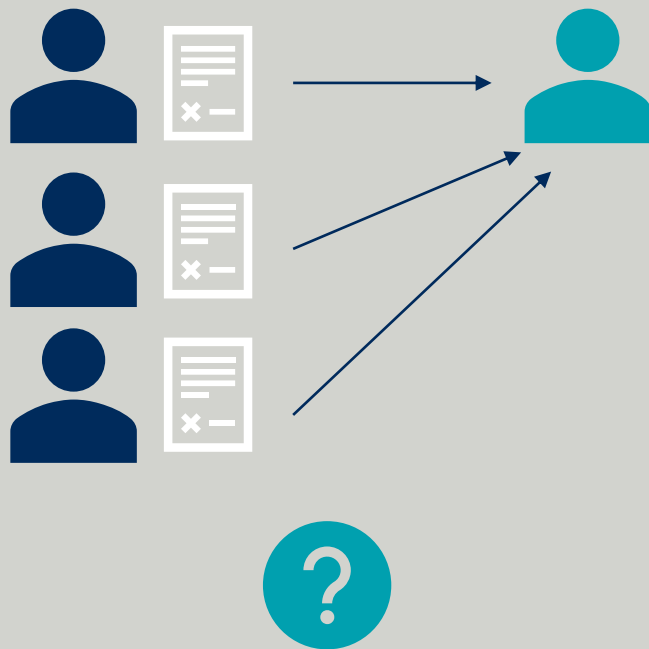




*This is just an analysis,  
it doesn't reflect real-life conditions,  
I'm not able to do my job with this.*

- Typical statement of offshore employee given a set of engineering reports making conservative assumptions.

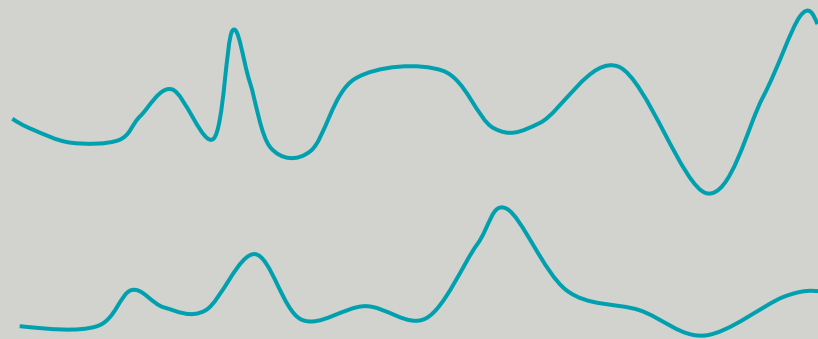
## Planning

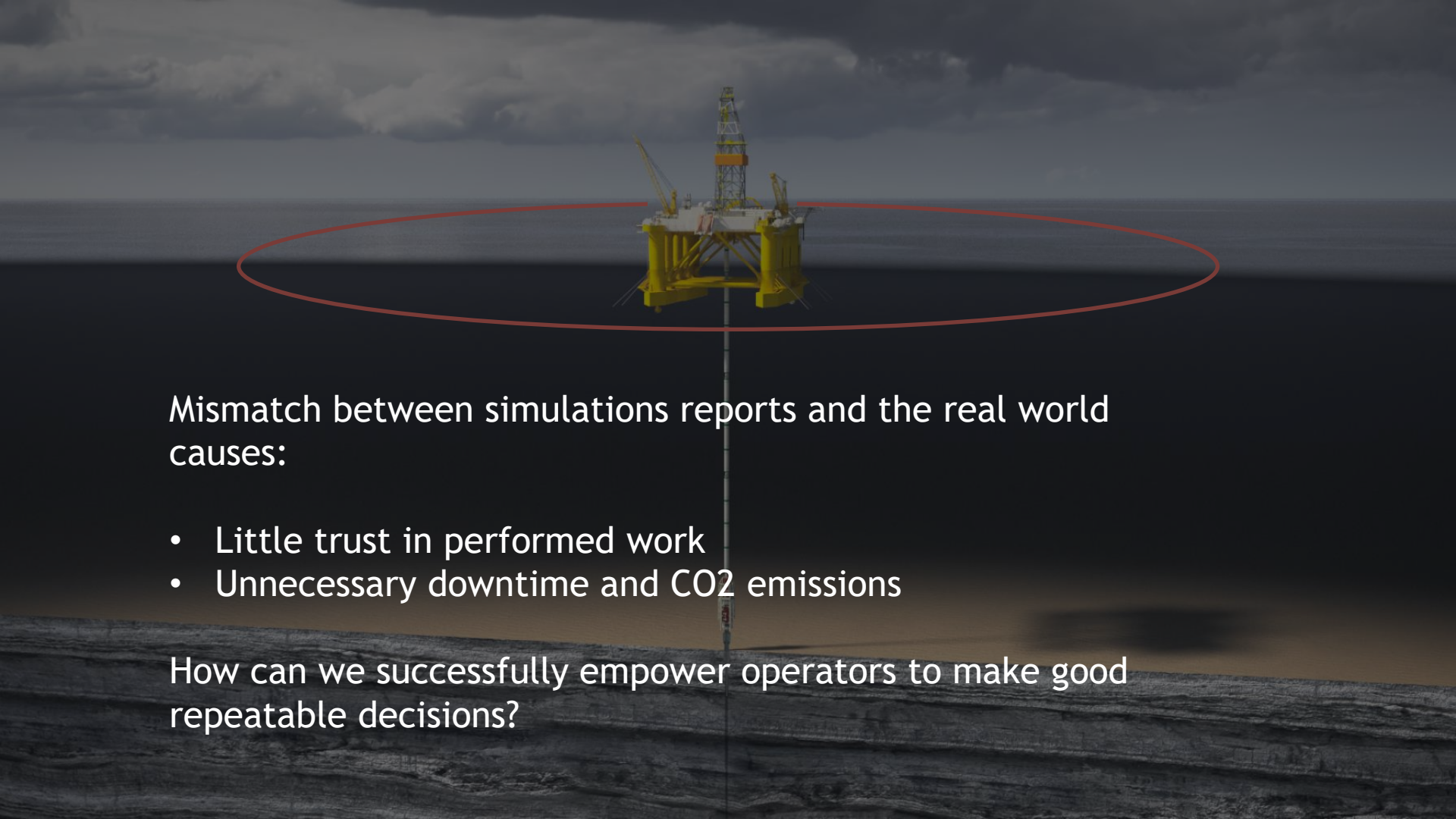


## Operation

Report results dependent on operational conditions

Operational conditions first known during operation





Mismatch between simulations reports and the real world causes:

- Little trust in performed work
- Unnecessary downtime and CO<sub>2</sub> emissions

How can we successfully empower operators to make good repeatable decisions?

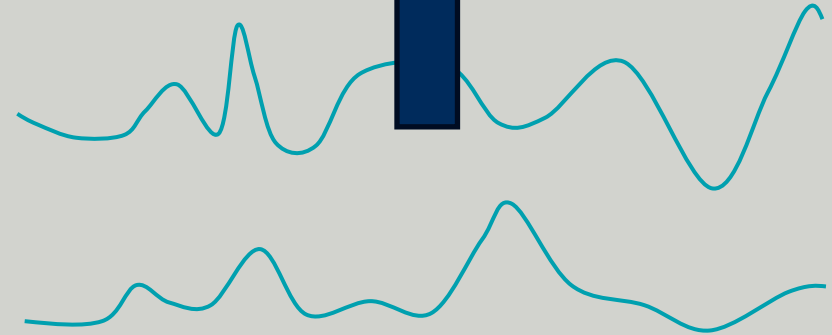
## Planning



The report format disables us to use all our knowledge in a good way.

We need a dynamic solution that incorporate actual conditions.

## Operation





Operationally relevant



Verified with  
measurement data



Thoughtful integration

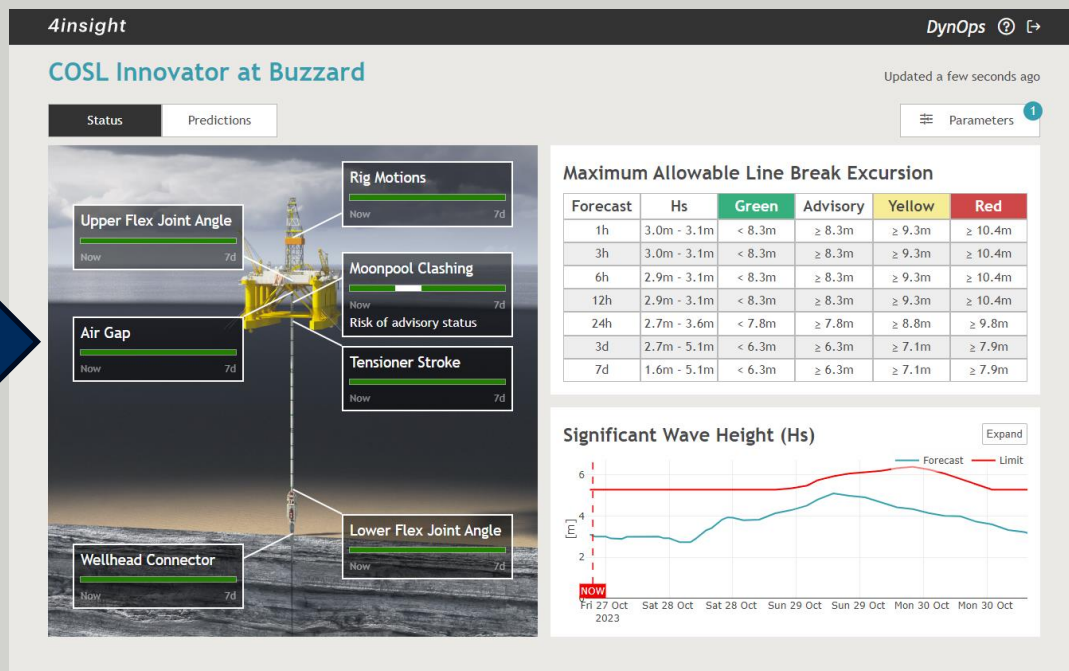
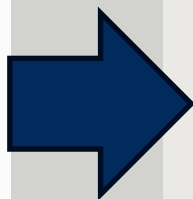


Stronger connection  
with the real world



Reduced unnecessary  
conservatism

# COSL Innovator





# COSL Innovator

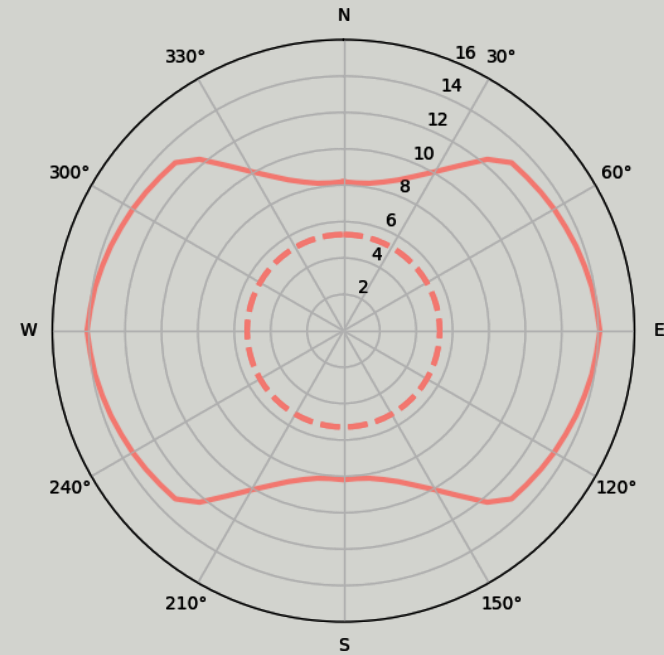


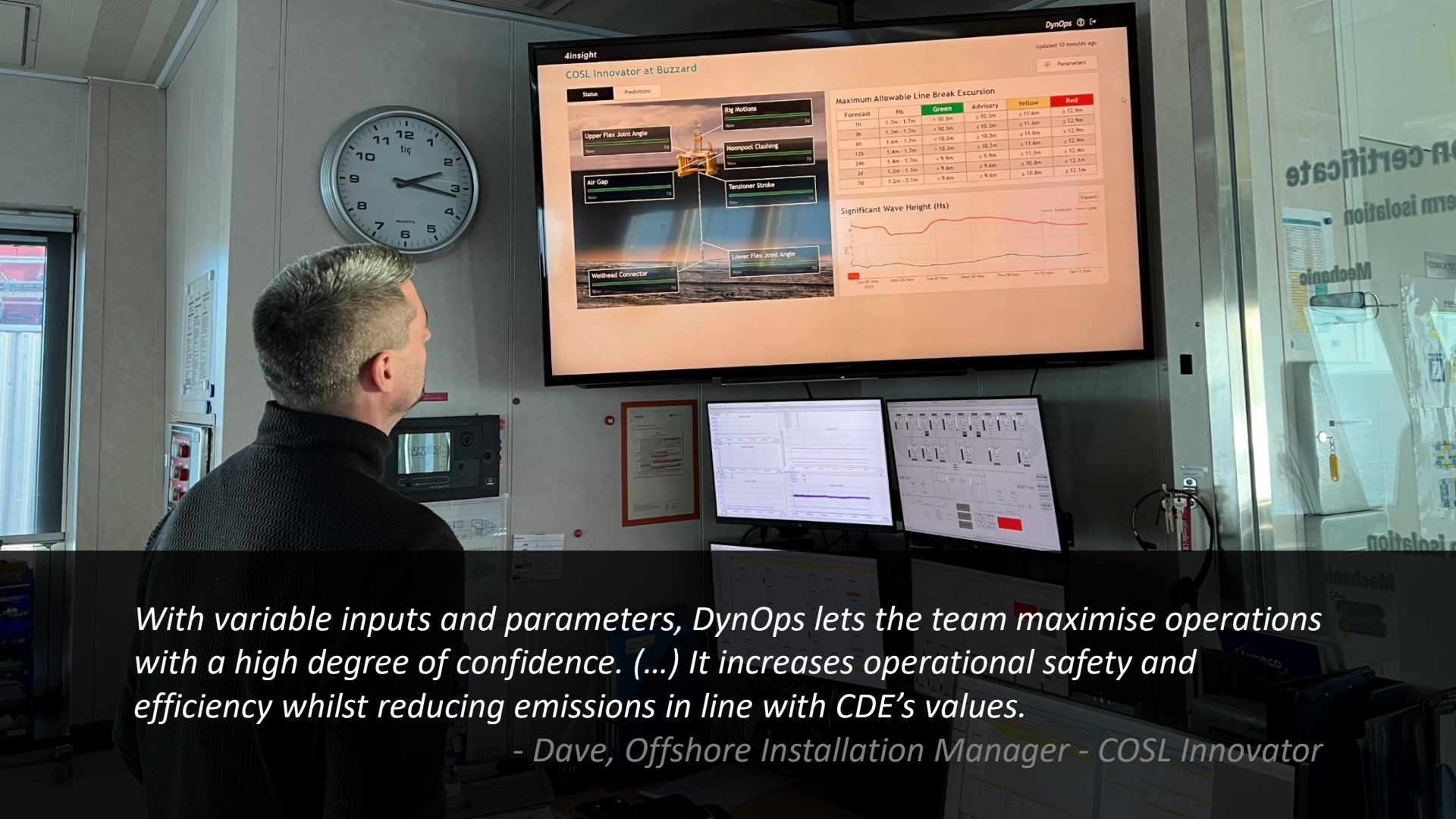
 45%

less chance of waiting on weather

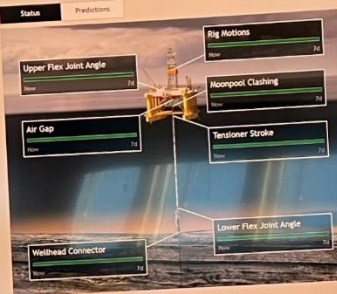
 30%

of the time running less thrusters





#### 4insight COSL Innovator at Buzzard



#### Maximum Allowable Line Break Excursion

Forecast	Hs	Green	Advisory	Yellow	Red
1h	2.7m - 1.3m	± 10.3m	± 10.3m	± 11.6m	± 12.9m
3h	2.7m - 1.3m	± 10.3m	± 10.3m	± 11.6m	± 12.9m
6h	1.6m - 1.2m	± 10.3m	± 10.3m	± 11.6m	± 12.9m
12h	1.4m - 1.2m	± 10.3m	± 10.3m	± 11.6m	± 12.9m
24h	1.4m - 1.2m	± 9.9m	± 9.9m	± 11.1m	± 12.4m
3d	1.2m - 1.2m	± 9.6m	± 9.6m	± 10.8m	± 12.1m
7d	1.2m - 1.2m	± 9.6m	± 9.6m	± 10.8m	± 12.1m

#### Significant Wave Height (Hs)



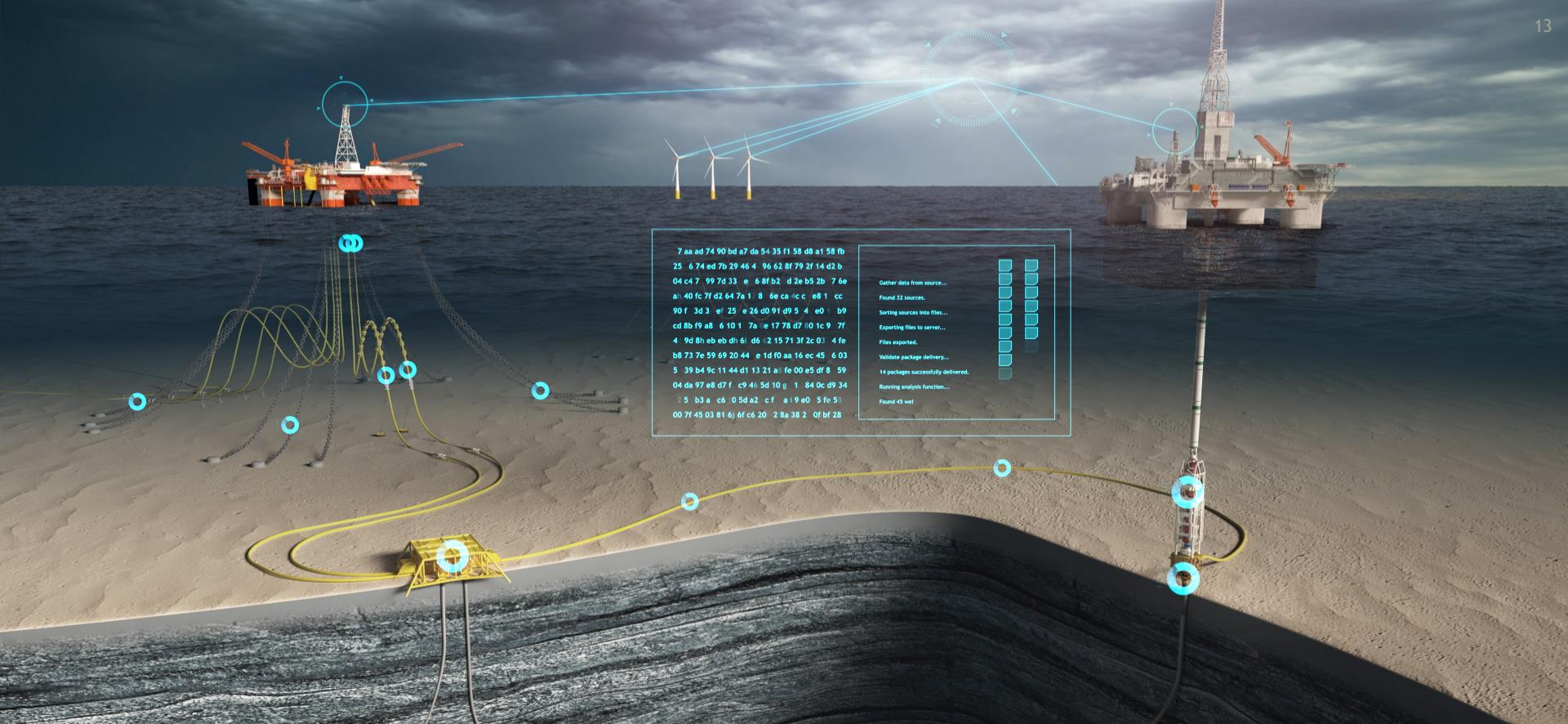
*With variable inputs and parameters, DynOps lets the team maximise operations with a high degree of confidence. (...) It increases operational safety and efficiency whilst reducing emissions in line with CDE's values.*

*- Dave, Offshore Installation Manager - COSL Innovator*



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# Thank you.