



Deckplanner

Planning offshore operations with game technology

Bjarte Sebastian Hansen
CEO - Goontech



Goontech – Key facts and figures

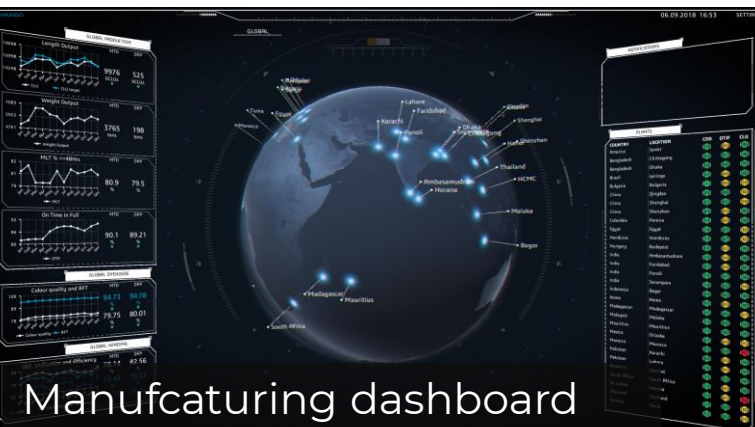
- Started as game development company Henschman & Goon in 2012
- Spin-out to Goontech in 2014
- 6 full-time employees, + small team in Ukraine
- Offices in Bergen and Oslo
- 5.5 million NOK revenue in 2018
- Owned by the founders (Bootstrapped)



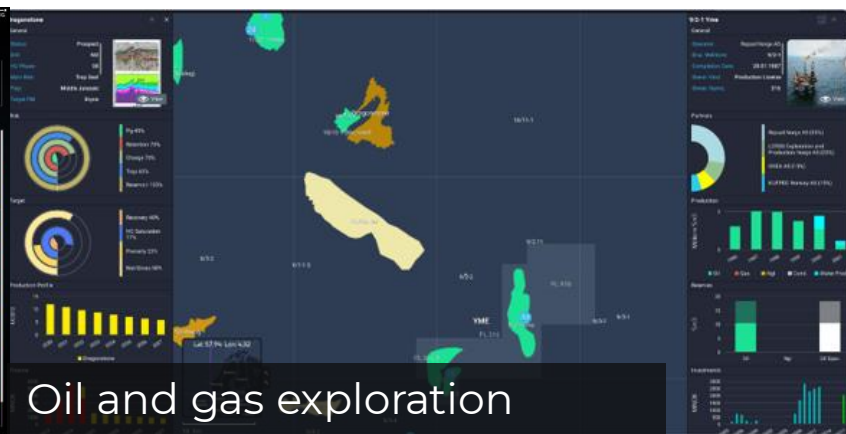
Goontech - Industrial Projects

We use **data** to create visualization tools for decision support, resource management and optimized planning of operations.

Make data available to the end user, by turning it into meaningful **insight** and **information** that can be used for answering questions and thereby make decisions.



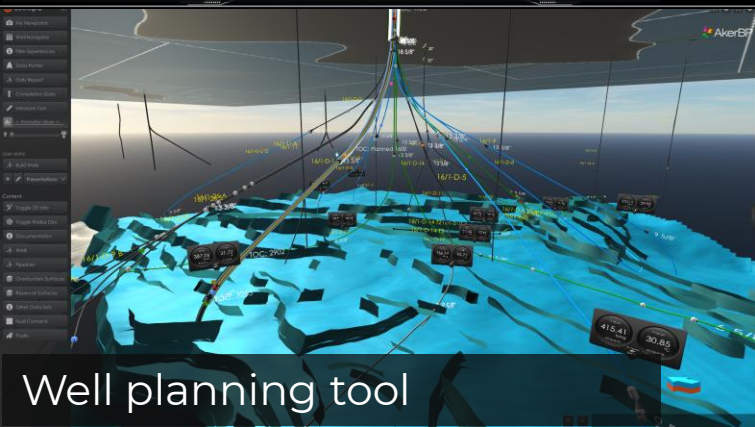
Manufacturing dashboard



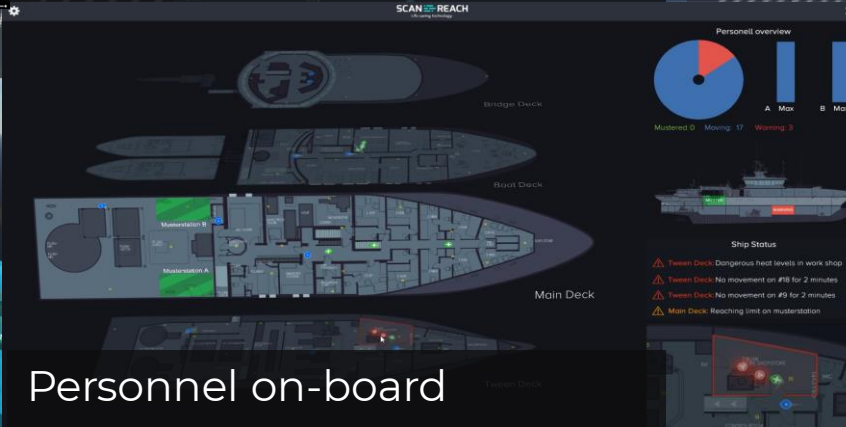
Oil and gas exploration



Solar thermal plant planner



Well planning tool



Personnel on-board



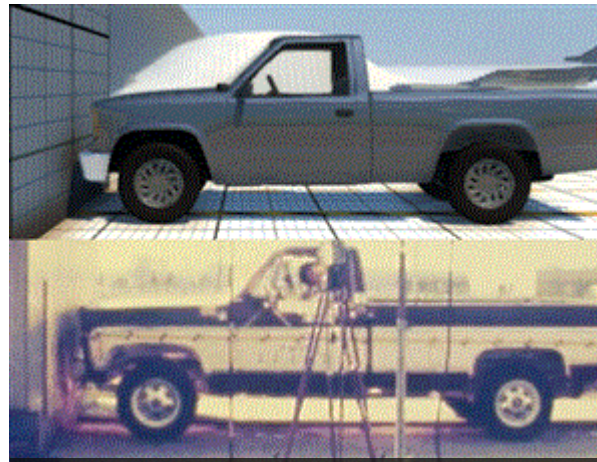
Road planning tool

What is game technology?

*“A game engine is the software that provides game creators with the necessary set of features to build games **quickly** and **efficiently**.”*

Easy to work with:

- 2D and 3D graphics
- Environment
- Physics
- Animation
- Interactivity
- Logic

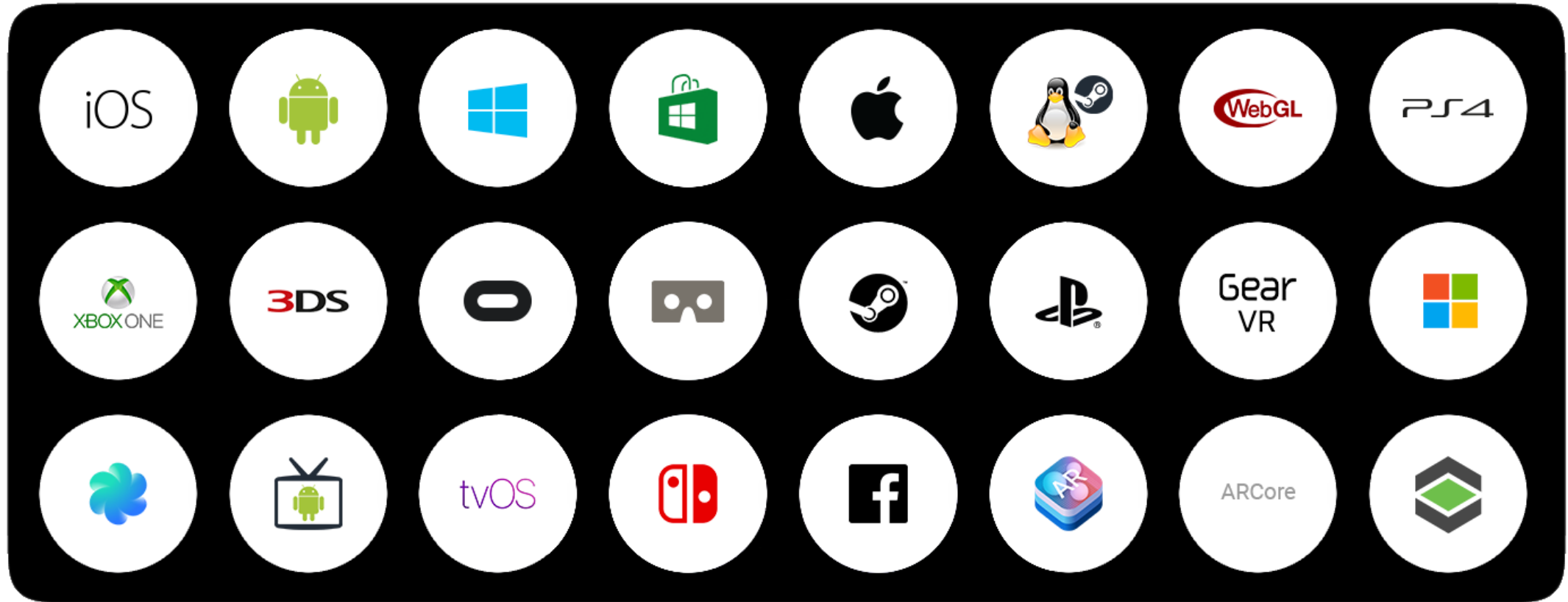


«Realistic» physics

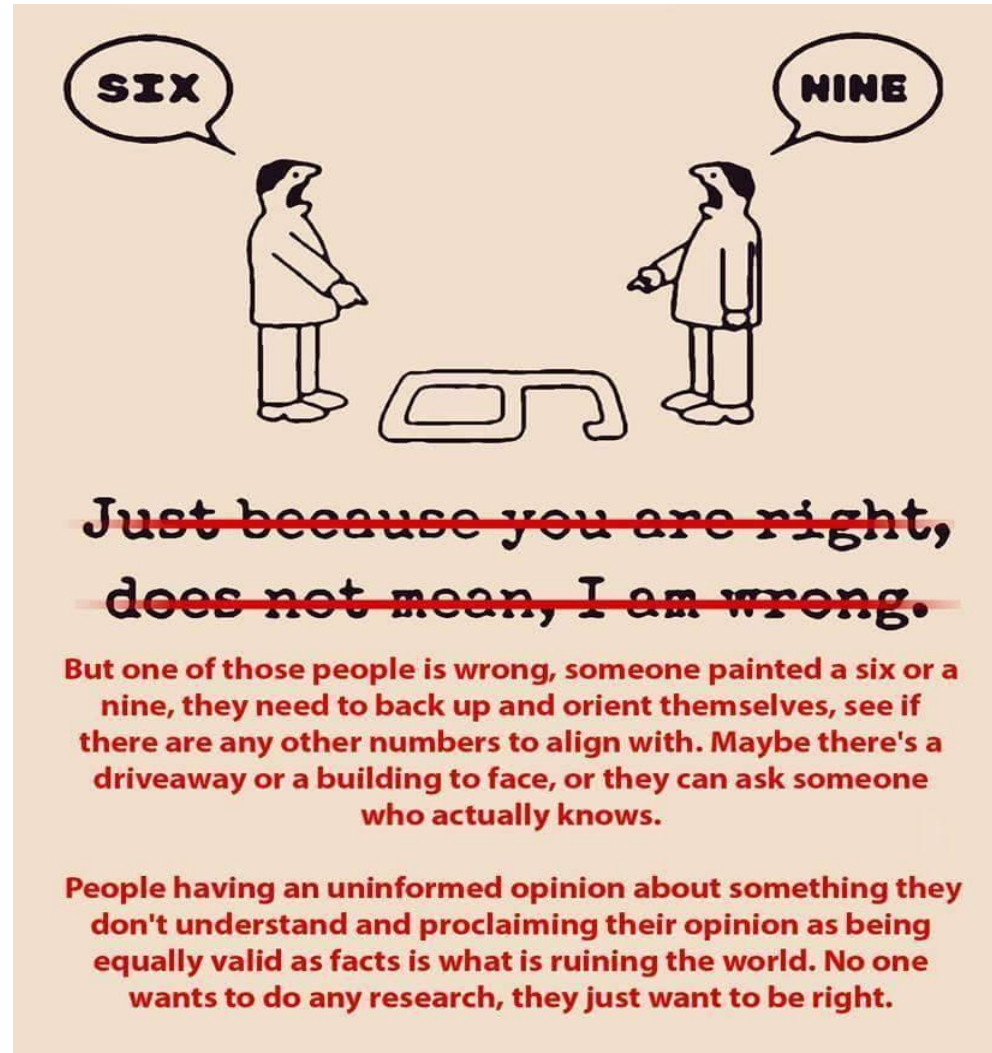


Unrealstic physics

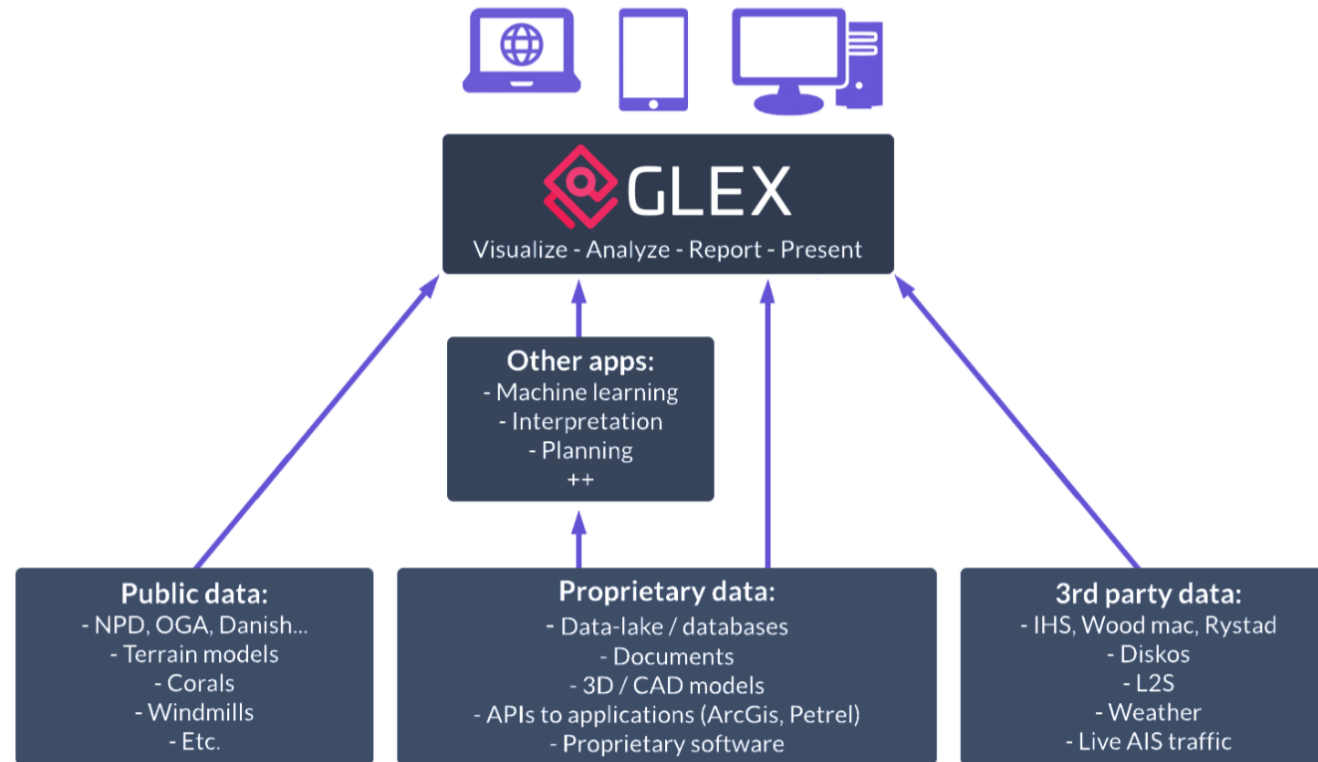
Data available on all platforms



Why is visualization important?



Data has **zero** value until it informs a decision





TU

TEKNISK UKEBLAD

FOR DEG SOM SKAPER FREMTIDEN

1117

164. ÅRGANG
19. DESEMBER
2017

JOHN SVERRE GUNDERSEN FANT OPP ENKLERE SIKRING AV LAST TIL SJØS:



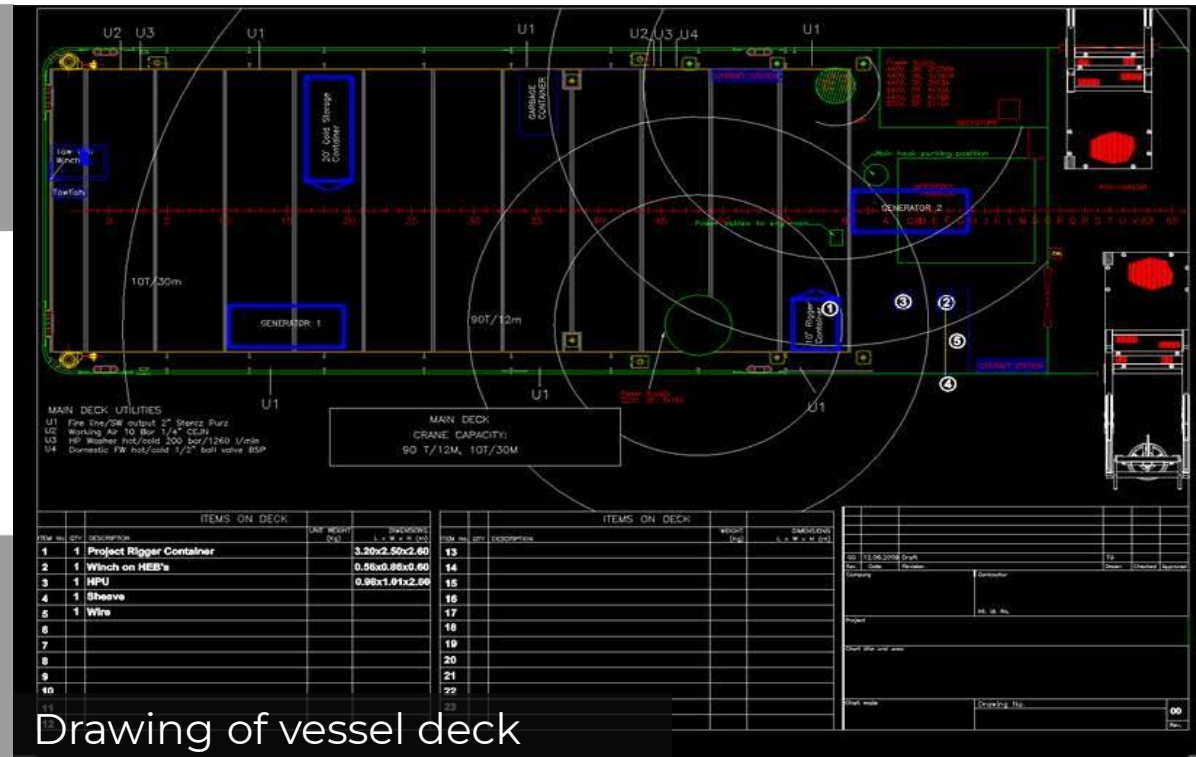
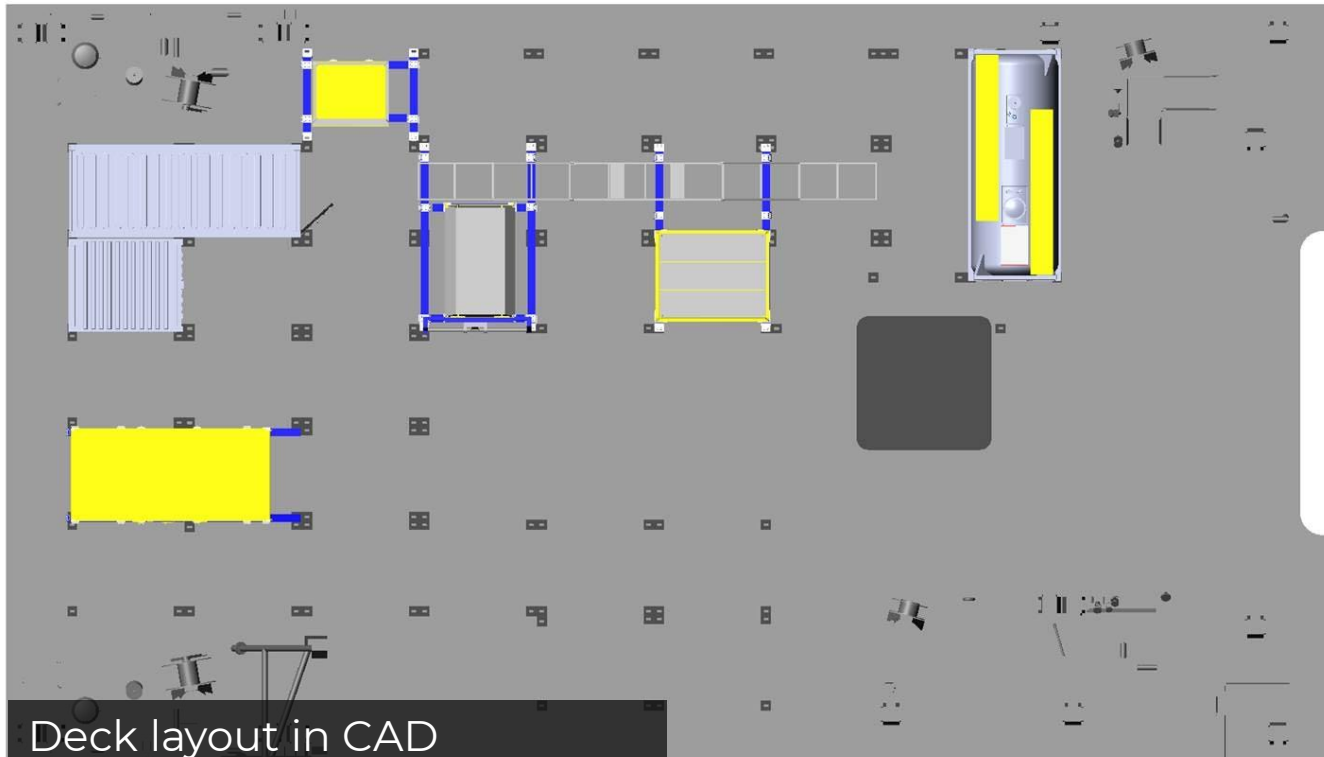
**FIKK
IDEEEN**
DA HAN MISTET
OLJEJOBEN

Offshore operations

Explained by an IT guy 😊



Current tools for layouts - CAD



Drawing of vessel deck

Match-CAD and Excel

Calculations in Excel

Demo



Example mobilizations

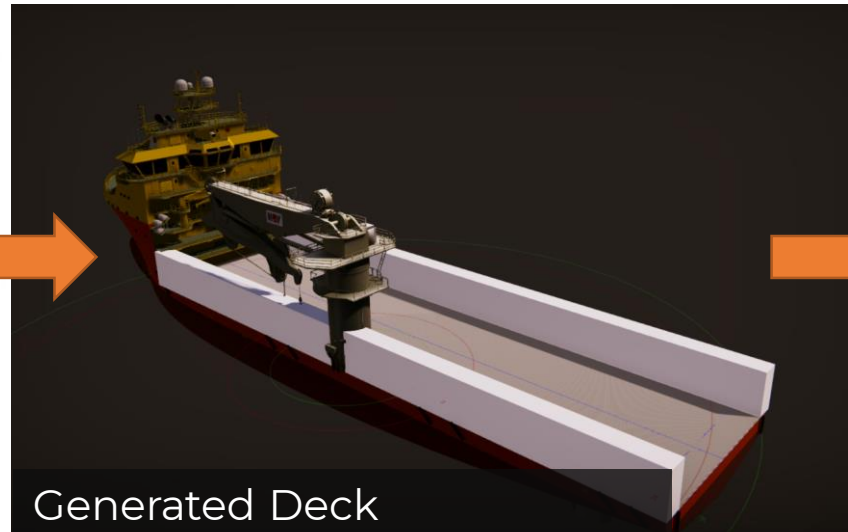


Data is available – but....

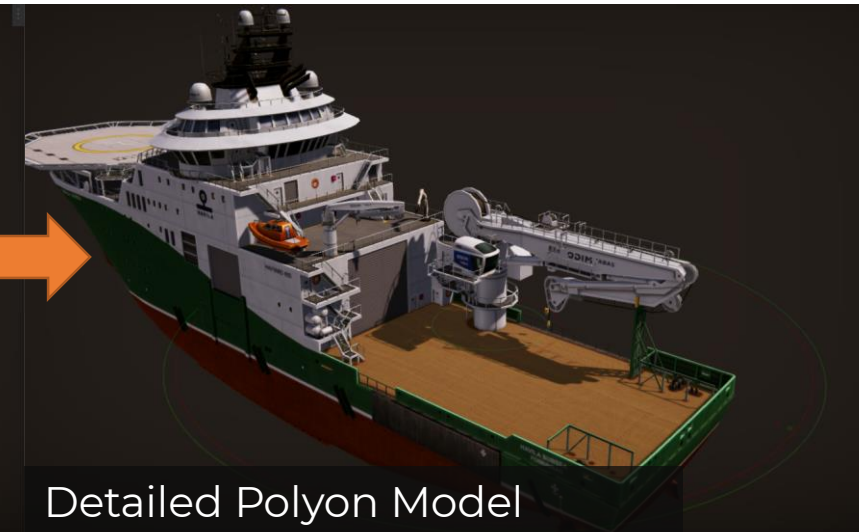
- Hard to get access due to organizational barriers
- Necessary conversion of data is very labor intensive
- Uncertainty around legal framework for data sharing



CAD model



Generated Deck



Detailed Polygon Model



Thank you!

Bjarte Sebastian Hansen

Email:

bjarte@goontech.no

Phone: +47 95268076