TDI OIL & GAS

Accelerating technology implementation and unlocking longevity of the NCS

Arne Gürtner

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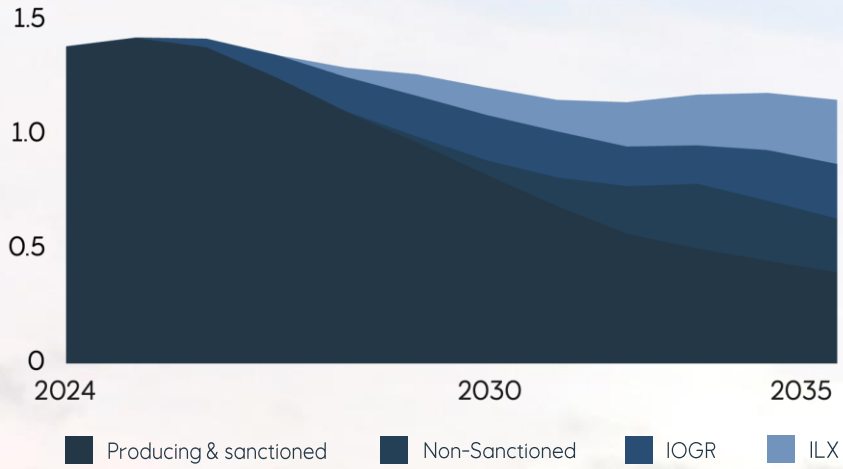
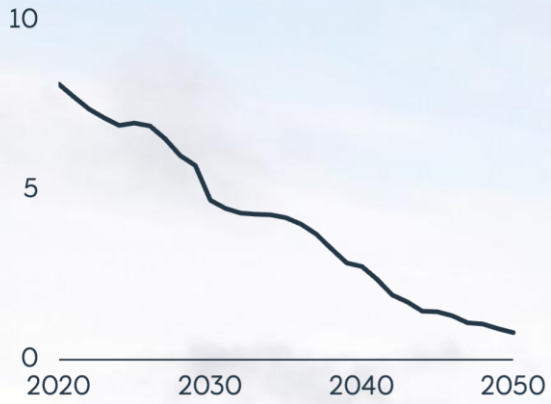
HIGH VALUE BARRELS FROM THE NCS

Strong long-term production and cash flow to 2035

Production 2024 – 2035
MILLION BOE / DAY



NCS GHG emissions[3] 2020 – 2050
Million tonnes CO_2 e



~1.2

MILLION BOE / DAY

Equity Production 2035

1. Based on reference case 70 USD/bbl, see appendix for key assumptions and definition
2. Organic capex, see appendix for key assumptions and definitions
3. 100% GHG emissions from Equinor operated offshore fields, see appendix for more details on our climate ambitions for NCS

FUTURE OF THE NCS

Our plan for the Norwegian Continental Shelf

Maintain

Reduce by half

Investments towards 2035

Production towards 2035

CO_2

250
Exploration wells

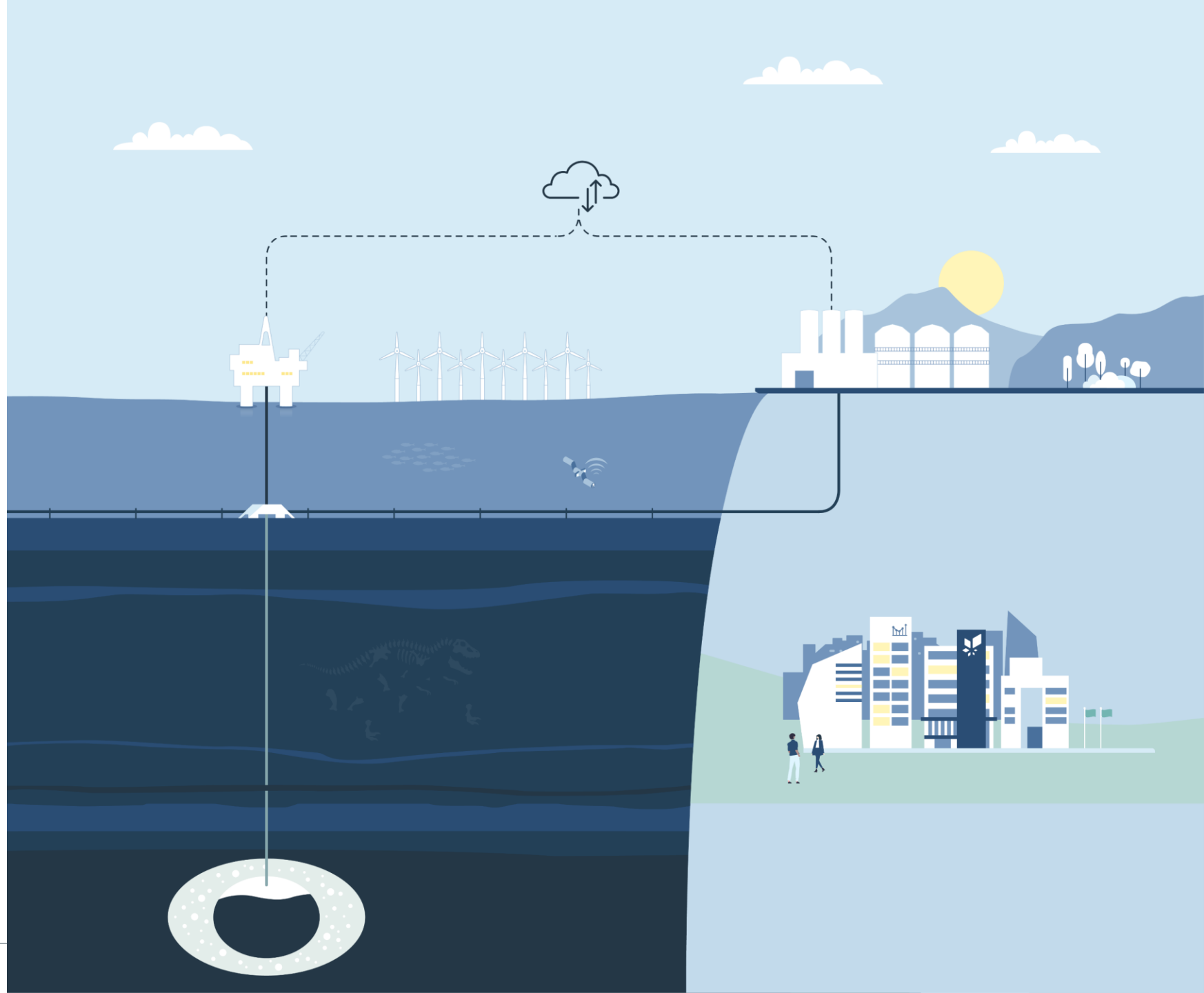
600
Increased recovery wells

75
Tie-backs

DIGITLISATION

AI in the value chain

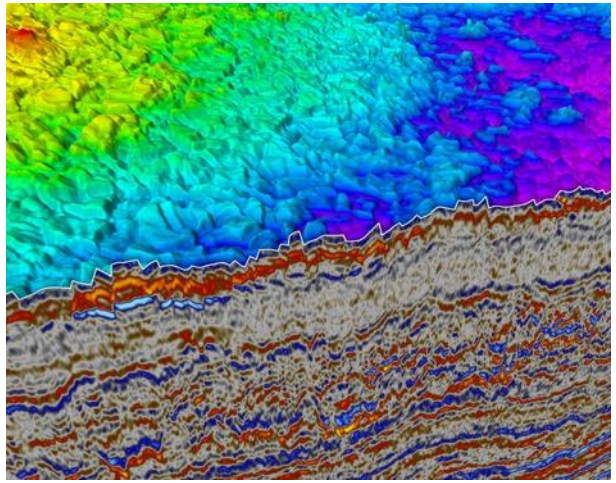
- Industrial AI@scale
- Leveraging 50 years of experience and data collection
- 200 MUSD in value realisation



DELI

Using machine learning to interpret more acreage

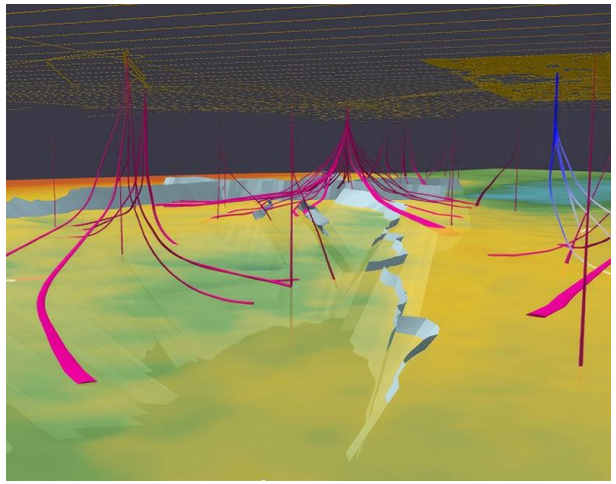
- 70+ petabytes seismic data from NCS
- >10x efficiency gains when interpreting seismic
- 600,000km^2 interpreted so far in 2025



AIM

Planning drilling operations

- Simulating millions of alternatives, recommending a few for further analysis and selection
- From months to hours in planning well alternatives, with AI
- 144.7USD* realised value so far…

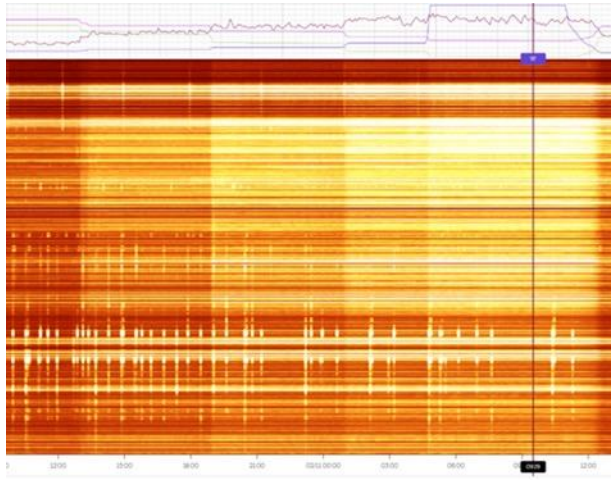


*Equinor share

FIBER OPTICS

A streaming service from the wells

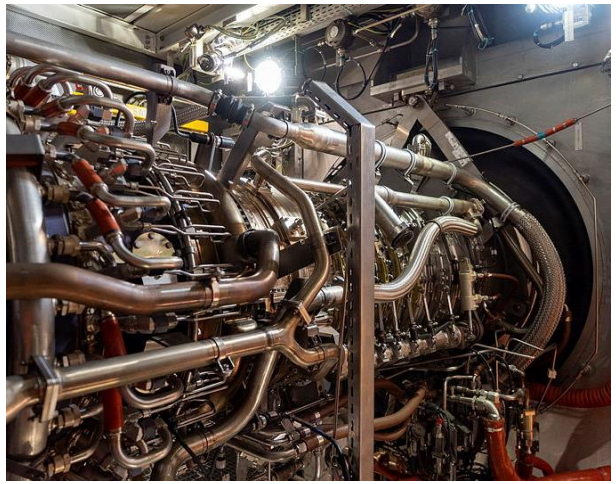
- Fiber to monitor temperature, sound etc.
- Like streaming 10,000 'movies' per sec
- Binge and tell: The ML algorithm will notify when the engineer should take a look

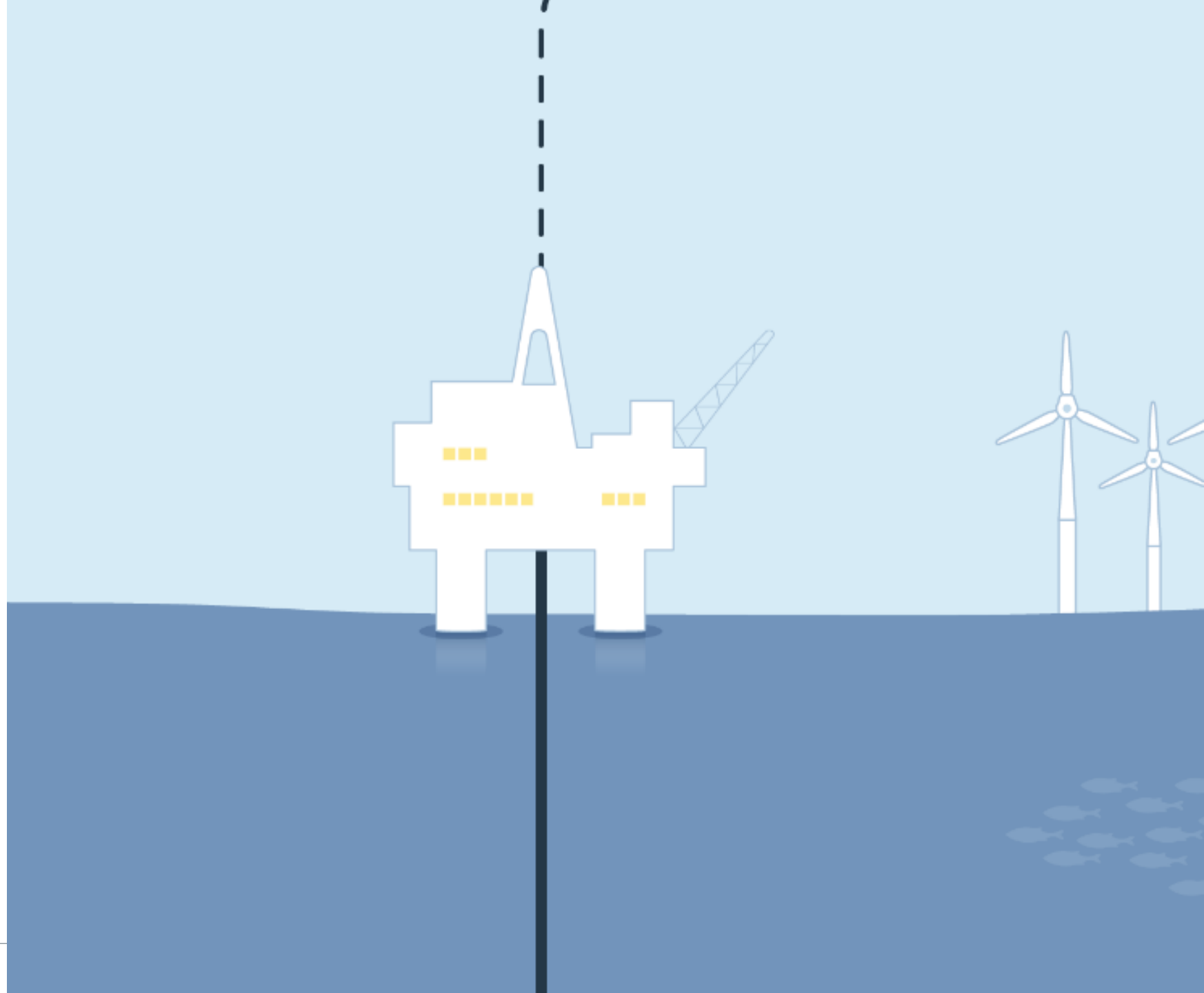


CONDITION MONITORING

Predictive maintenance in oil and gas

- Heavy rotating equipment
- All installations
- Value realization: 65 MUSD

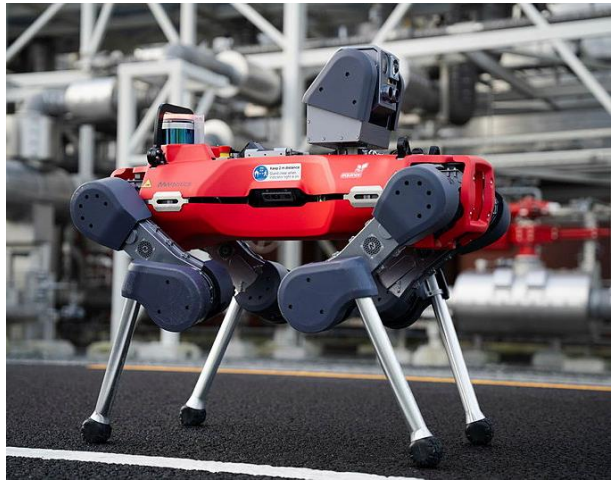


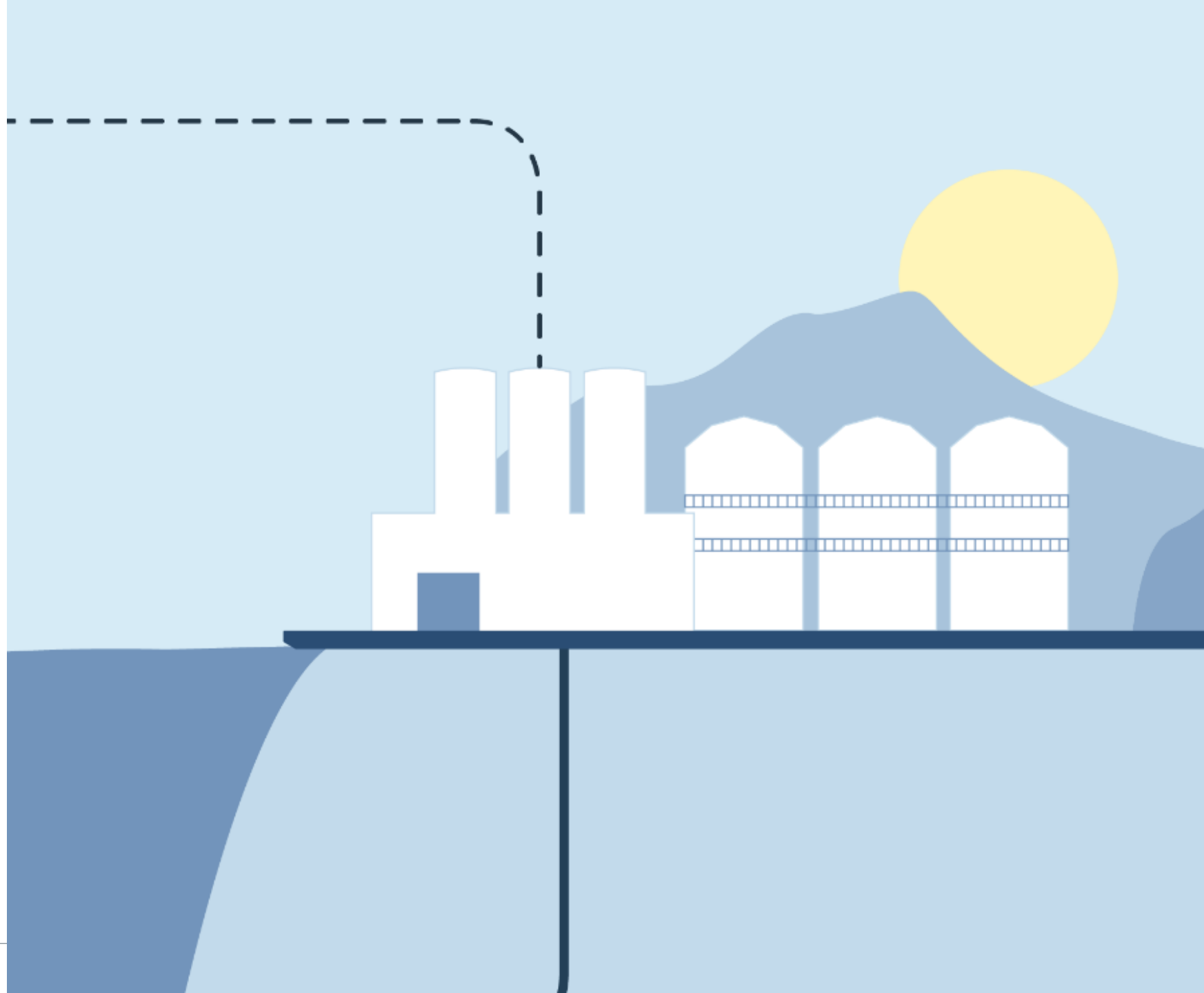


AUTONOMOUS ROBOTS

Robots doing safety rounds

- Roberta can see and sense
- Tool for operators on plants
- Monitors air, surroundings
- AI Analysis to detect gas-leaks

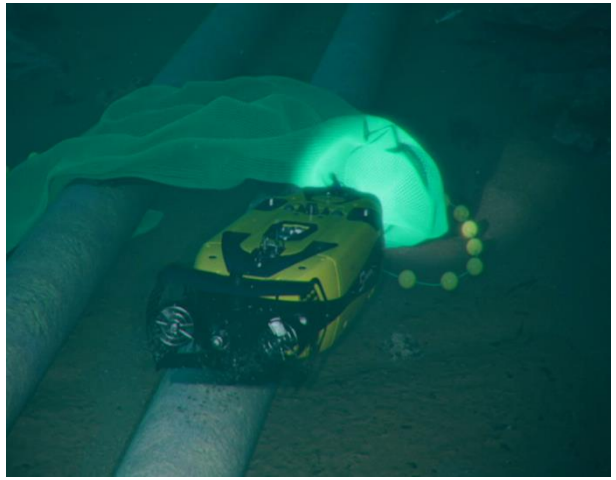


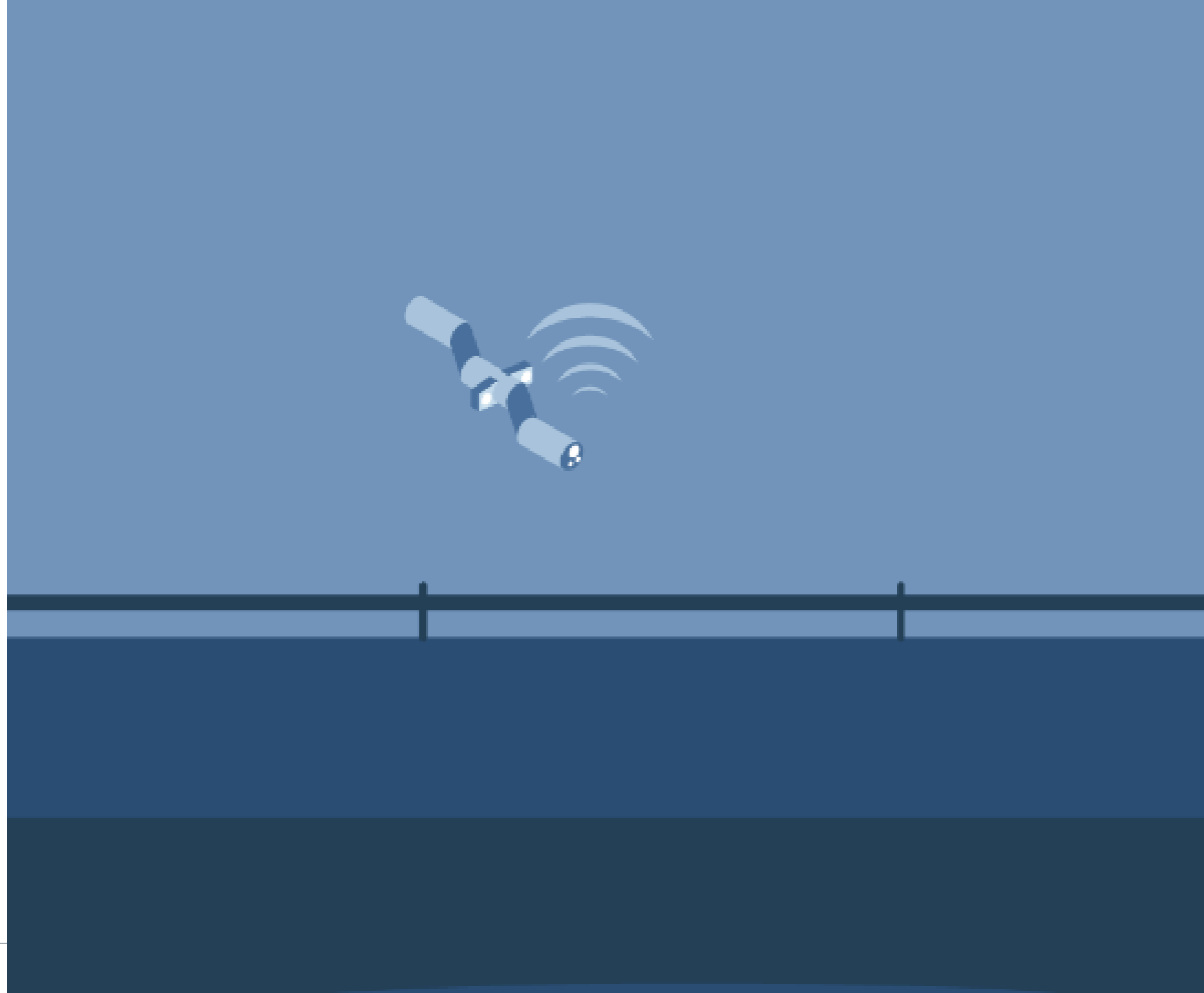


DRONES

Underwater drones

- Autonomous inspections
- Looking for pipeline corrosion
- Security and safety of infrastructure





OPERATION CENTRES

Faster Implementation via centres

- Receive data from all assets
- Faster, better decision-support
- Data utilization at scale
- Implementation hub

TOP PROBLEMS TO SOLVE

Strategic Projects

Oil & Gas Strategic Projects

Well Delivered

- Reduce planning time by 30%
- Increase number of drilling targets identified per year
- Increase number of wells drilled per year (Goal 125+)

(P)P&A

- Reduce operation days for plugging operations to 20 days
- Enable shorter, fewer, faster barriers/ plugs

Production Optimisation

- 10% Increase production by 2030
- PE at 94%* & MPP +5%**
- Reduce planned and unplanned production losses < 3,5%
- Reduce GHG emissions by 50%***

Subsea Tiebacks

- Radical cost reduction
- Re-imagine industry collaboration
- Simplify interfaces & processes

SWIP (OSDU)

- One-stop shop for subsurface interpretation
- Enable use of AI and ML
- Prepare Equinor SUB for cloud native applications

SAFETY ▪ SECURITY ▪ SUSTAINABILITY

*PE = EPN PE
**MPP = Maximum production potential
*** CO2 Equivalent

THE FUTURE OF THE NORWEGIAN SHELF

The Norwegian shelf's path towards a broad energy province

Stable **energy production** with **50 %** lower **emissions**
SoDir high scenario

30 GW Governments ambition
Offshore wind ambition for 2040

2 million tonnes CO_2 storage capacity awarded
Per 2025

16 billion € contracts for difference
German licence rounds

Maintain value creation from oil and gas

Industrialise offshore wind

Commercialise transport and storage of CO_2

Upscale hydrogen production

Net Zero by 2050

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