



Your
Innovation
Partner



The
Oil & Gas
Technology
Centre

Your Innovation Partner

Sparking Reuse
May 2019

Personal Experience



The screenshot shows an eBay search results page for 'mondeo v6 radiator'. The search results are filtered to show 591 results. The top result is a 'CLEARANCE SALE!' for a 'SPONSORED FORD MONDEO 2.5 V6 2000-2006 MANUAL RADIATOR (AC MODEL CARS)'. The price is £32.00, with a 'Buy It Now' option and 'Free postage'. Below this is a 'Genuine FORD MONDEO MK3 3.0 V6 ST220 01-07 A/C AIR CON RADIATOR' for £16.00. The third result is a 'BRAND NEW RADIATOR TO FIT FORD MONDEO MK3 1.8/2.0/2.5/3.0 V6/ST220 2000 TO 2007' for £36.25. The page includes a left-hand navigation menu with filters for Brand, Brand Type, Condition, Price, and Buying format. The right-hand side features a 'Morrisons' advertisement.

Our Goals



Unlock

Unlock the full potential of the UK Continental Shelf



Anchor

Anchor the supply chain in North East Scotland



Inspire

Inspire a culture of innovation and transformation



£180 million funding from the Aberdeen City Region Deal

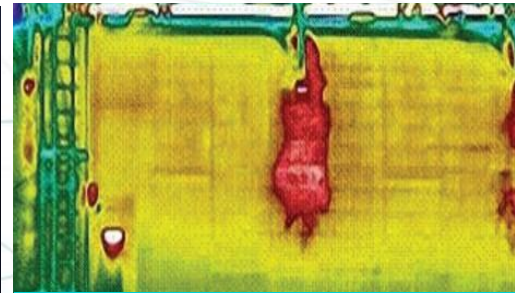
Technology Vision



Fix today



Data access



Asset inspection



Production optimisation



Revitalise exploration

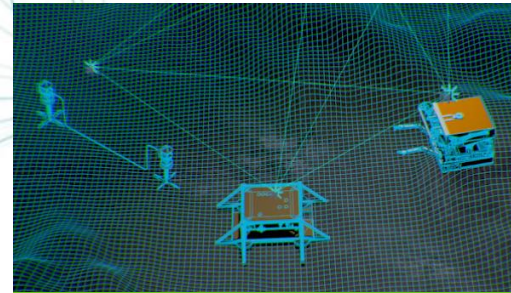


Efficient decommissioning



Alternative well barriers

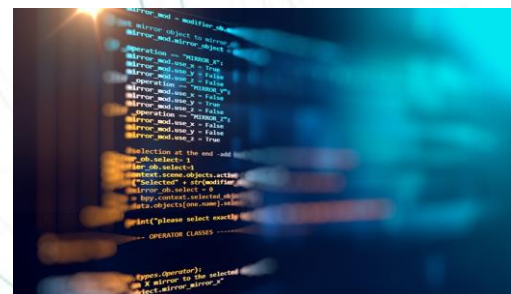
Maximise recovery



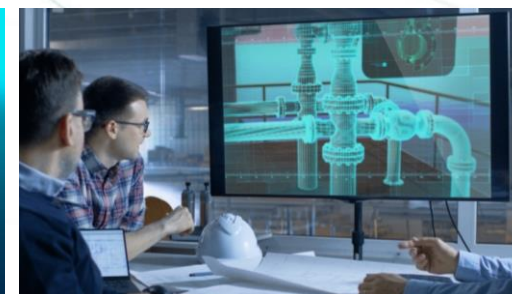
Tieback of the Future



Integrated energy



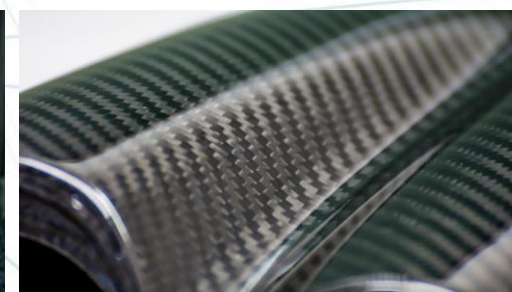
Automation



Remote operations



Artificial intelligence



New materials

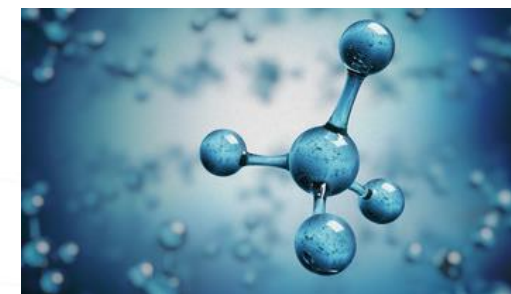
Transform tomorrow



Low carbon operations



Reusable infrastructure



Hydrogen delivery



Data driven



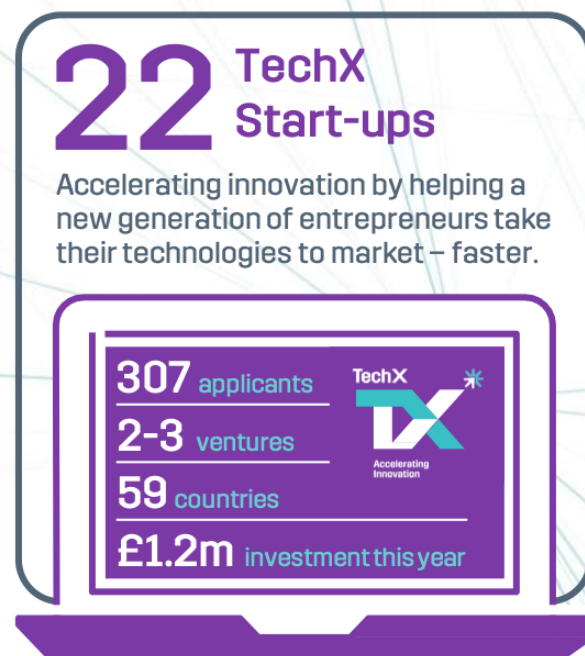
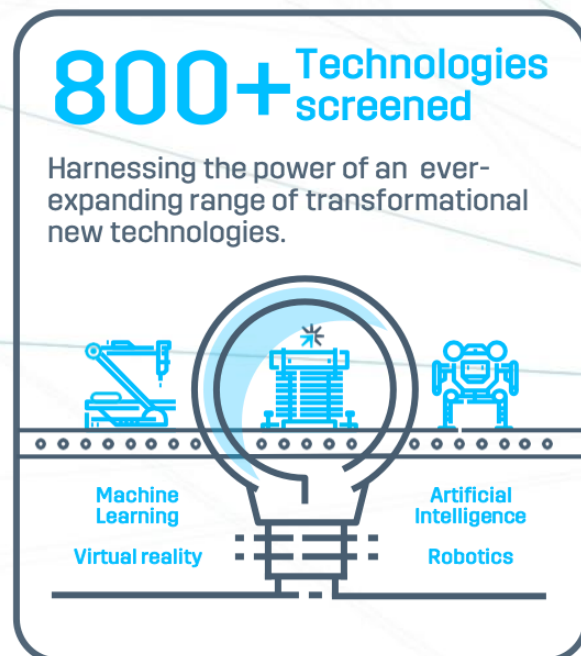
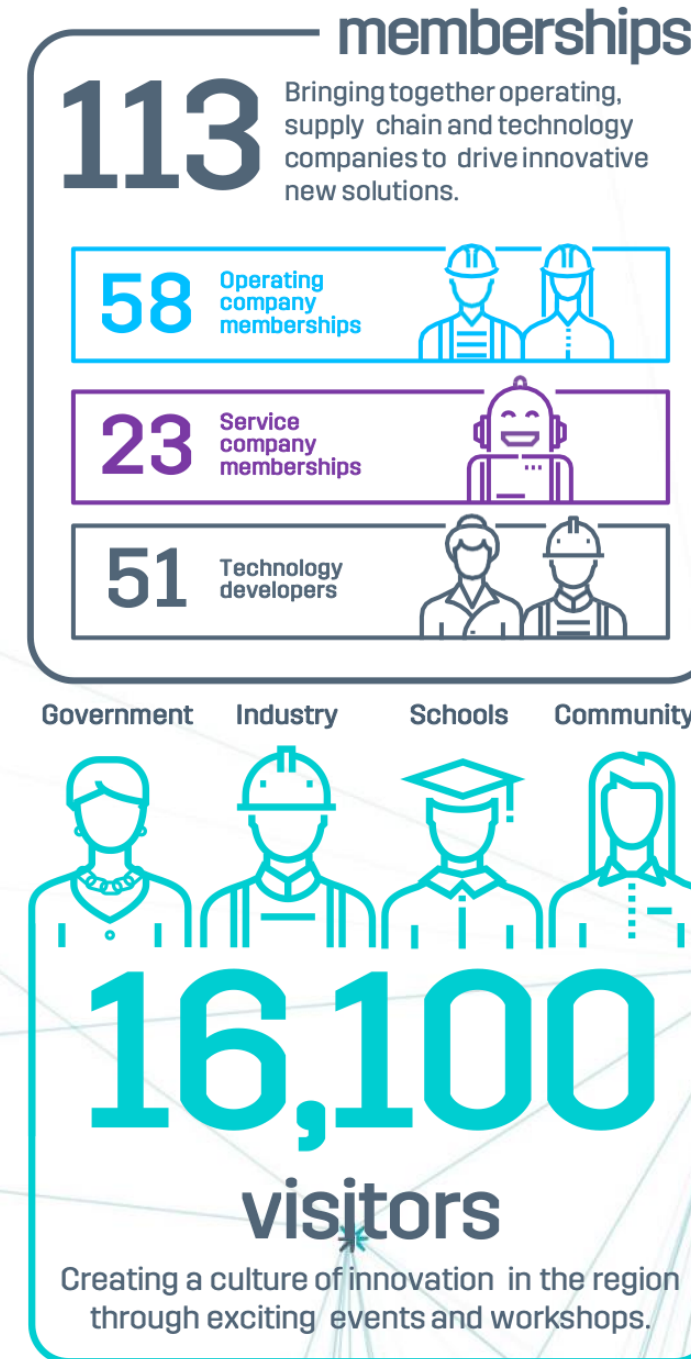
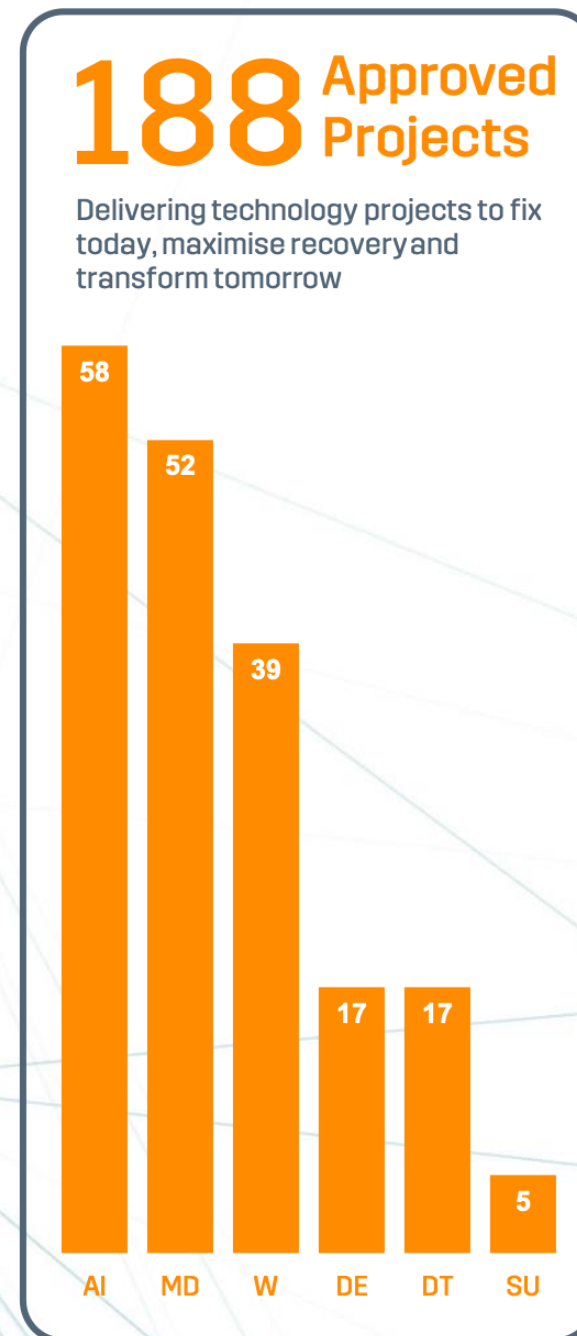
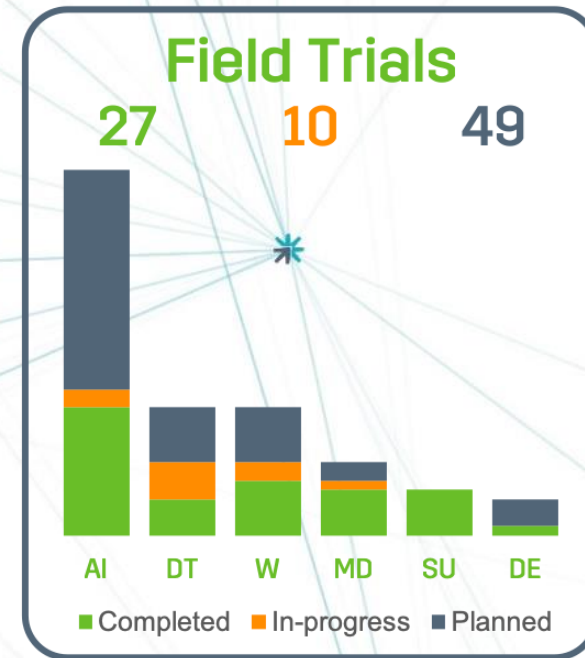
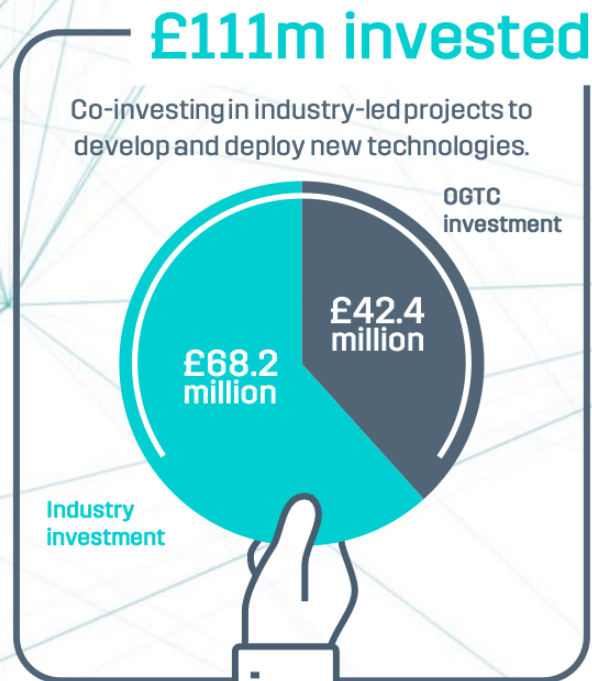
Unmanned facilities



Zero carbon developments

Transforming the industry for the low carbon future

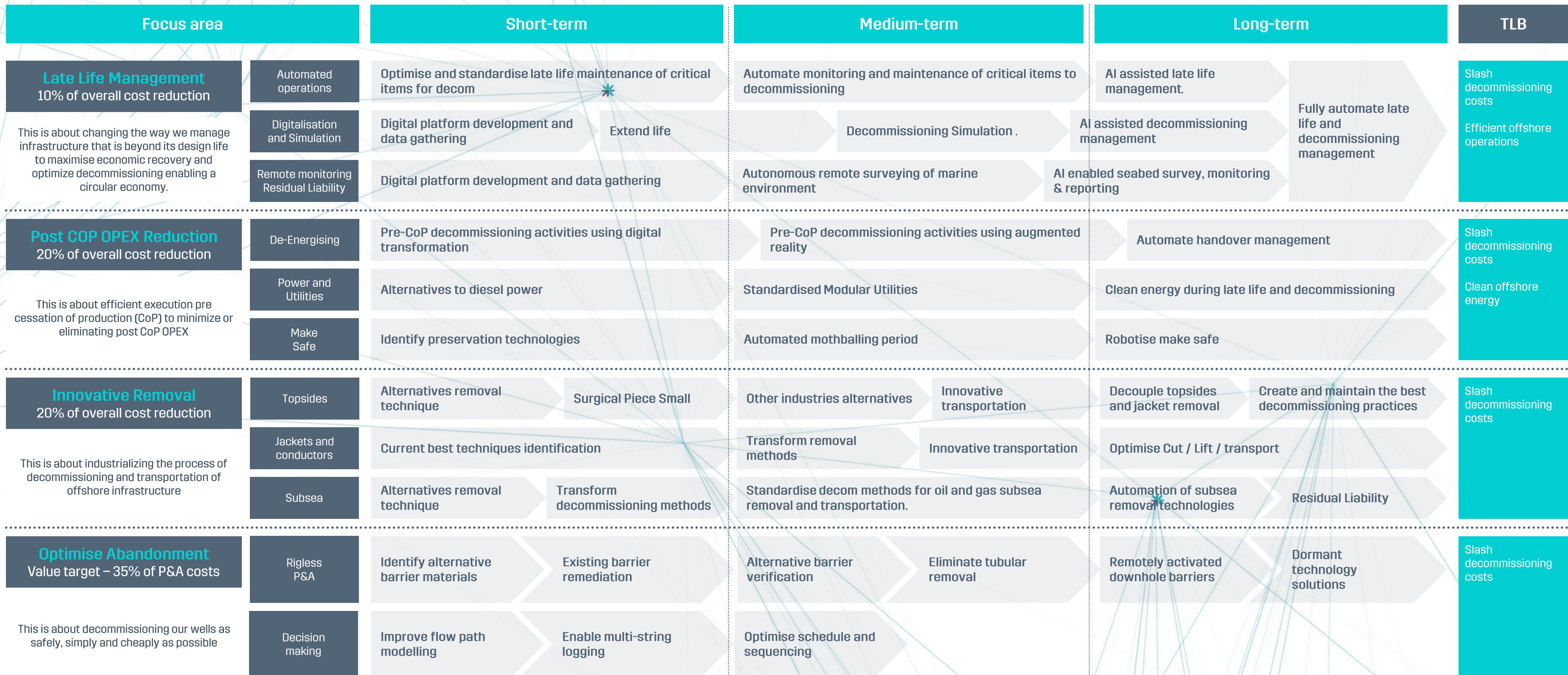
Our Track Record



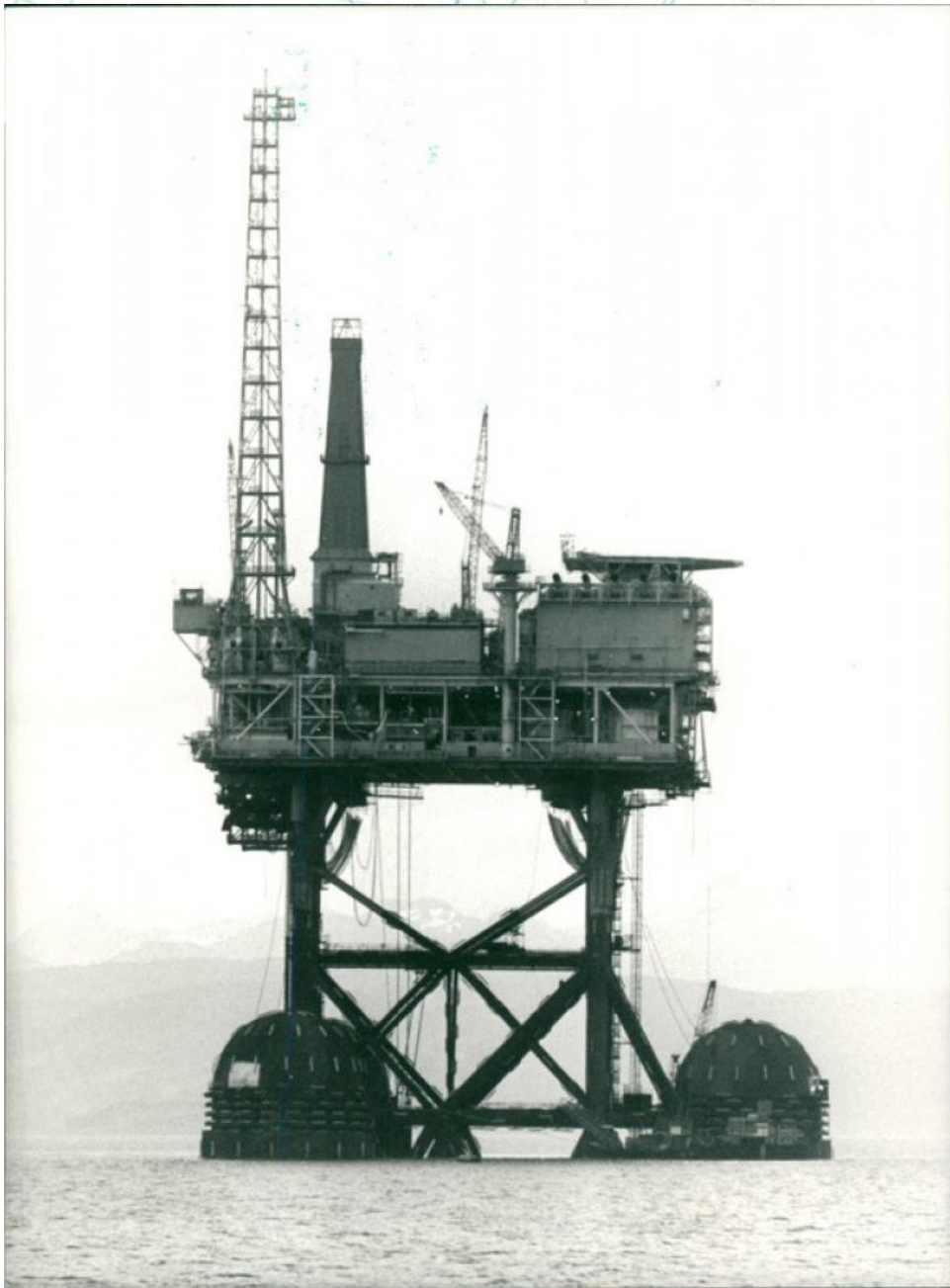
Delivering strong results

Decommissioning Roadmap 2019-2028

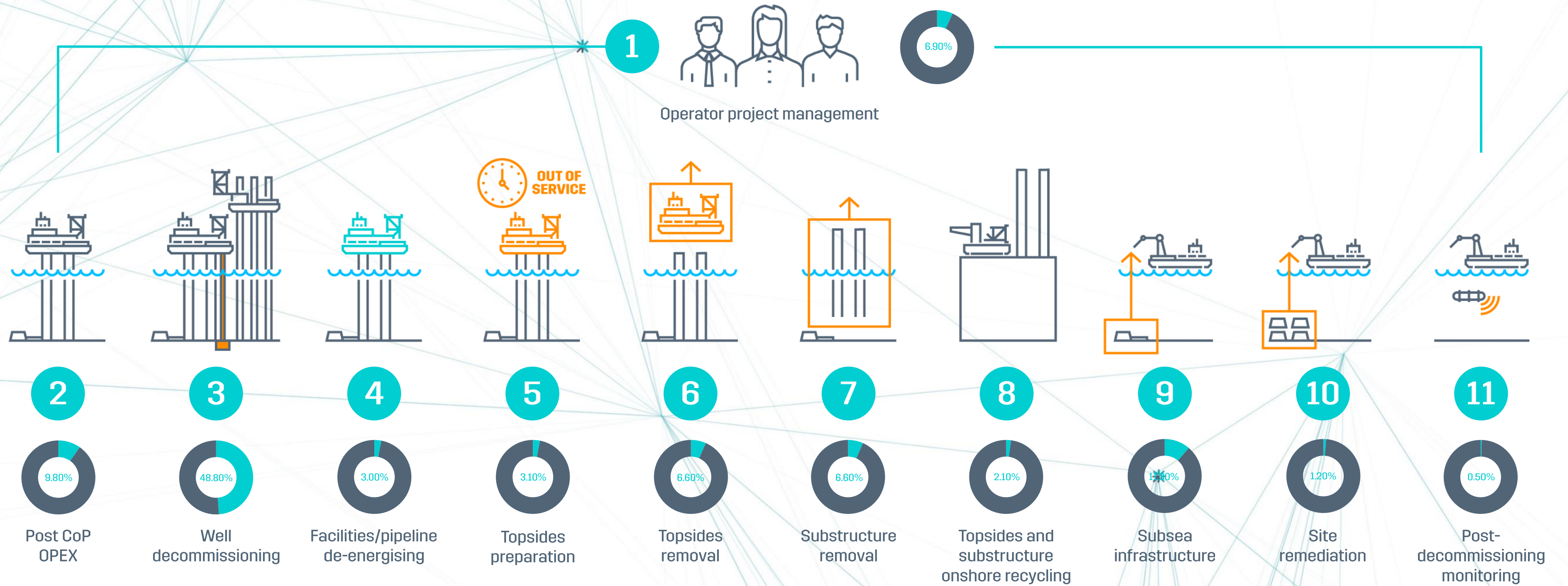
Overall Goal: 35% decom cost reduction



In the beginning



Decommissioning Work Breakdown Structure (WBS)



Current reuse & remanufacture



- Entire installations
- Tubulars
- Valves
- Gas turbines
- Subsea equipment



PLATFORMBROKERS.COM

F3-FA Gas Production Platform main particulars

Introduction:

- Offered for sale: Gas production platform
- Normally manned operations, but designed for and can be remotely operated
- Specifically designed for re-location / re-use
- Facility is in excellent condition
- Planned to be removed mid-summer 2019
- Removal Contractor: Heerema Marine Contractors
- F3-FA platform can be delivered sea-fast on a seagoing transportation barge to ease transfer of ownership



Fabrication Yard Vlissingen



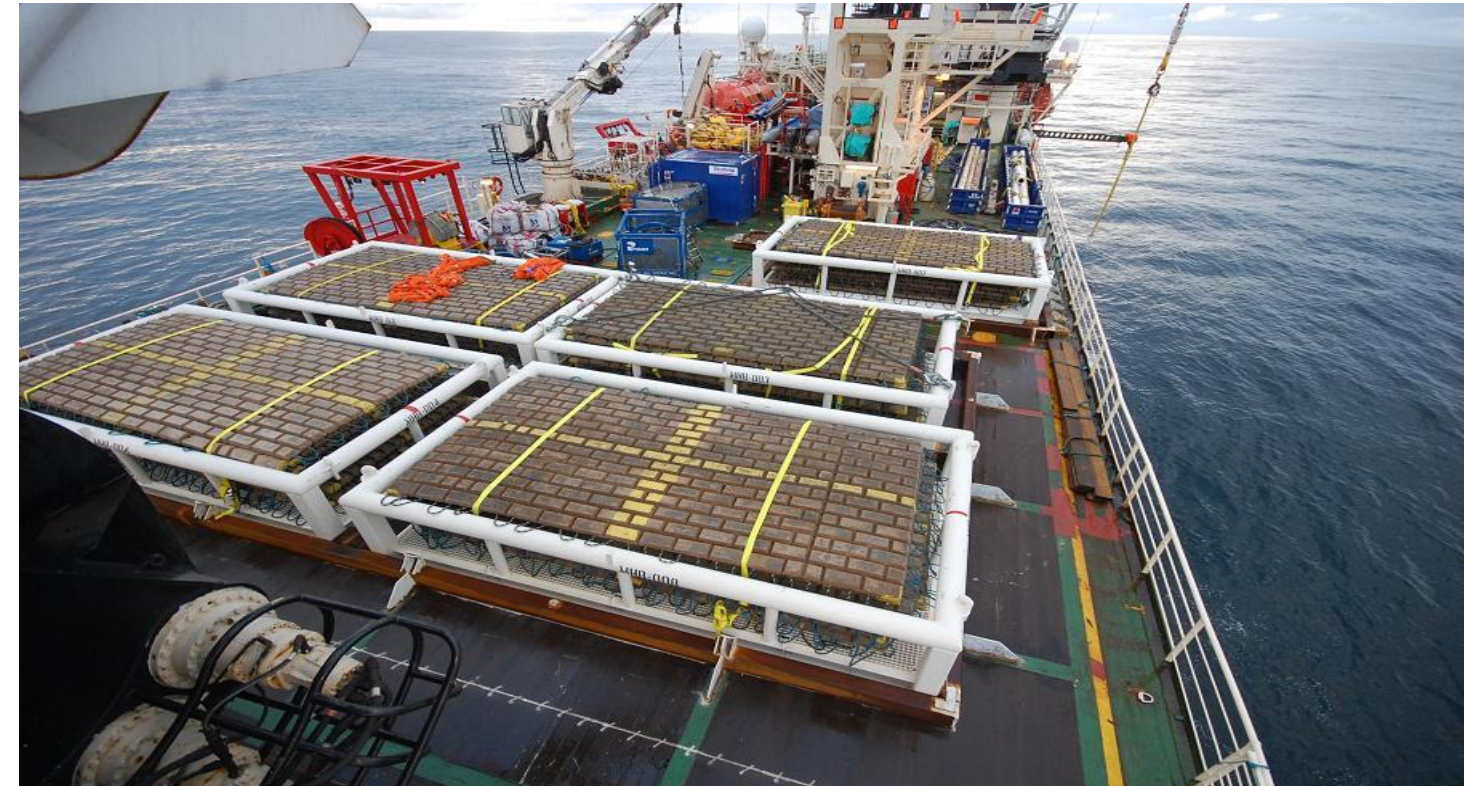
Offshore installation

General:

- Gas Production Platform. Excellent condition.
- 3 slots
- Location: Dutch sector North Sea, F Block
- Water Depth: 42m
- Installed: 2010
- Design Life: 20 years (TBC)
- Substructure: four-legged un-braced portal frame, supported by suction piles
- Topside weight: ± 4500 mT
- Substructure and Suction Piles Weight: ± 5,500 mT
- Topside dimensions: 30 x 50 x 30 (l x w x h)
- Engineering & Design: HFG (structural), IV Consult (process), SPT (suction piles & installation)
- Fabrication: [Heerema Fabrication Group](#)
- Installation: [Suction Pile Technology](#)
- Facility is specifically designed for re-location / re-use



Reuse





Reuse – Tubulars & Pipes





Reuse in the Netherlands



Oil & Gas
Authority

UK/Netherlands
SNS Hackathon
Output Report Gallery



April 2019

Re-use or adapt equipment and infrastructure in the same or a different location

Re-cycle equipment when removing infrastructure onshore and offshore

Re-purpose wells and reservoirs

SNS Hackathon - outputs

Create a market for reuse equipment—
e-bay model

Ethical versus cost – Could third world
countries benefit

The legal requirement and cost of
recertifications needs to be reduced to make
this viable

Learn from the Netherlands reuse examples
on regulatory drivers

Use old platforms onshore for training

Should regulator/government require reuse
as part of decommissioning programme



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May 15th-21st Auction
Online Auction



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MAY 22nd
OCTG Drill & Line Pipe Auction
Online Auction



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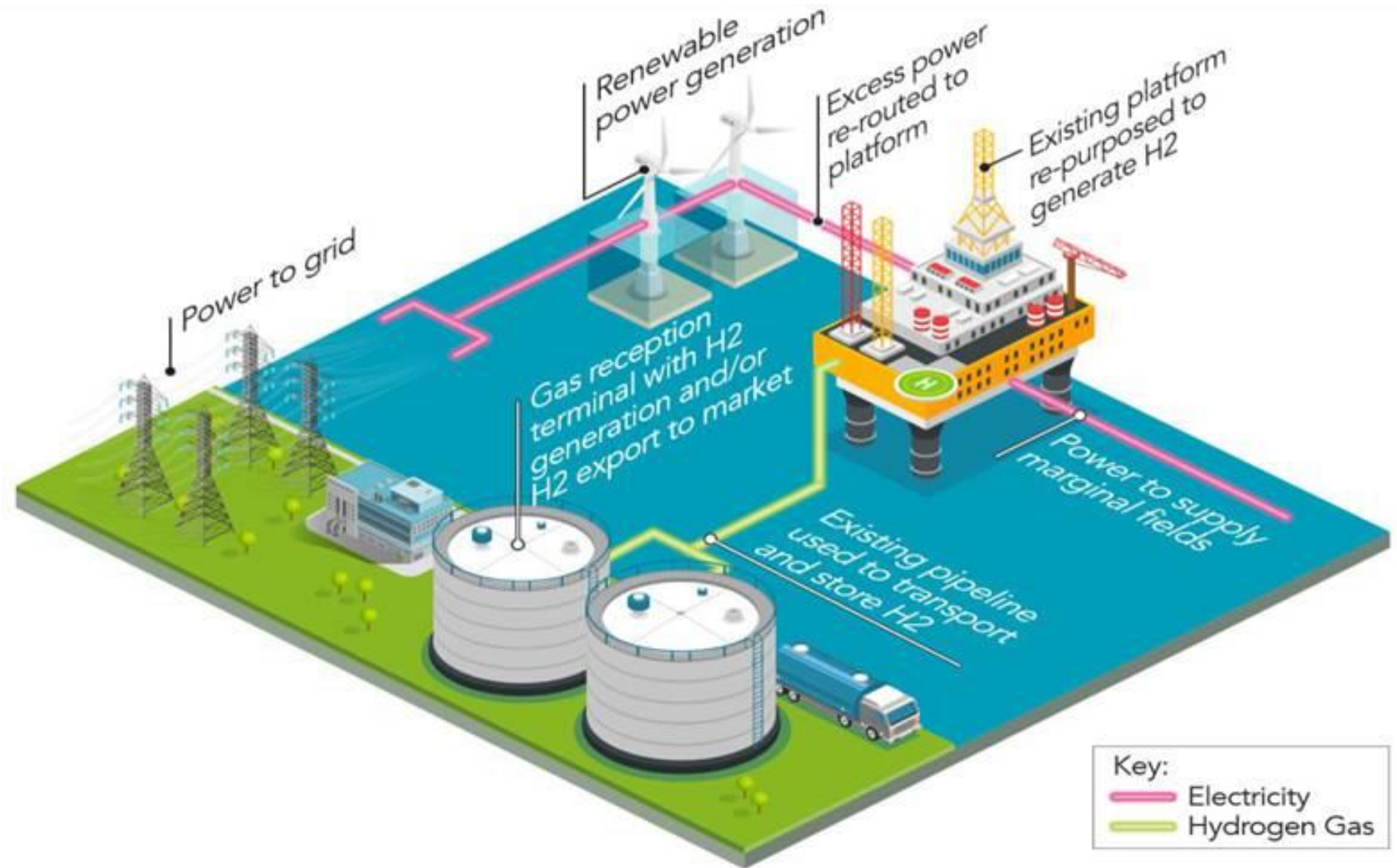
Re-use and the energy transition

Offshore electrification

Production and storage of hydrogen

Geothermal

Carbon capture and storage





Work
With us



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Together we
can transform
the future