

North Sea Transition Authority



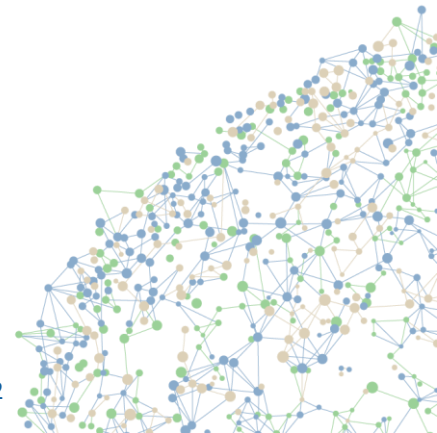
UK Energy Technology Platform

Technology Managers Network Meeting

28 February 2023

Agenda

- Introduction/recap of the current UKETP contract
- Progress made since Nov 1st 2022
 - User uptake
 - Integrations with NSTA website(s)
- (Further) Accelerating Technology Deployment with the UKETP
 - New benchmarking functionality
 - Technology selection & deployment training/support
- Q&A



NSTA/UKETP Contract

Main goal

Improve transparency and feedback loop for available/deployed technologies – building on other existing efforts & tools.

UK operators

NSTA sponsors free ‘Explorer’ level access -> allows unlimited browsing & supplier interaction

UK suppliers

NSTA sponsors ‘Starter’ level subscriptions -> allows publication of unlimited no. of technologies

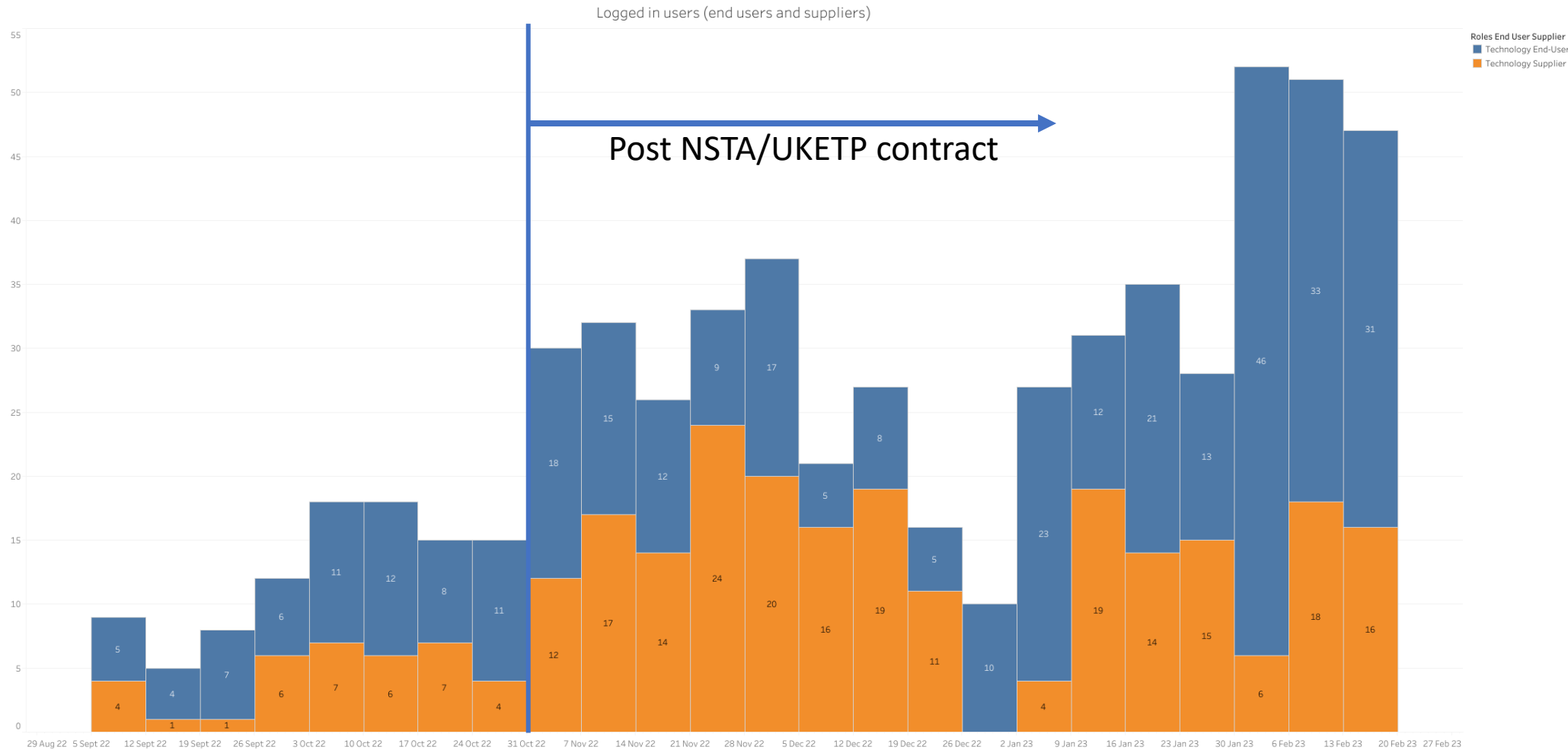
Webinar Planned March 14th 2023 : [Grow your business with the UK Energy Technology Platform](#)

Please point your supplier network to [UKETP homepage](#) to register!



UK User Activity

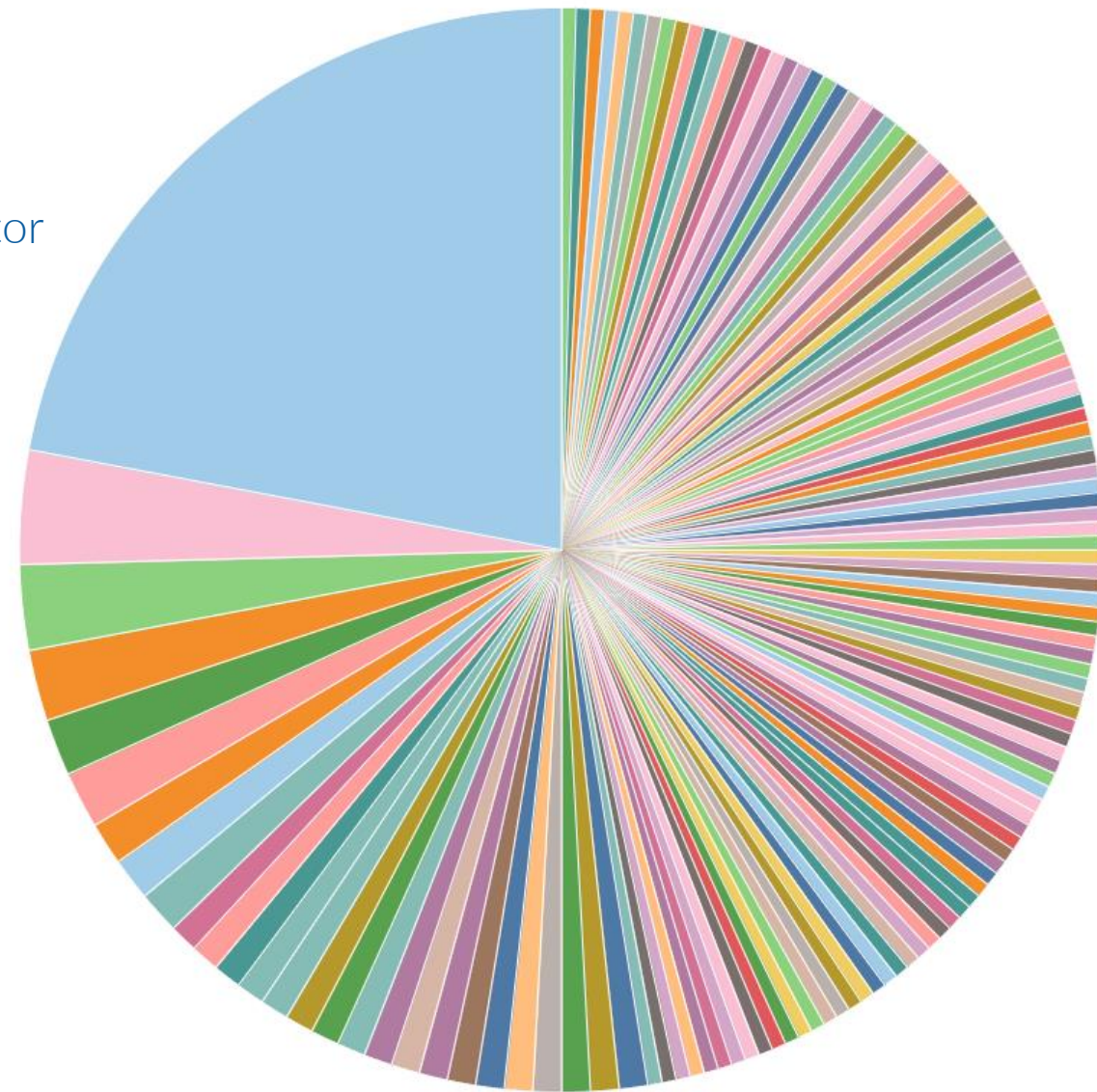
765 UK End-users
+ 232 (+30%) since Nov 1st



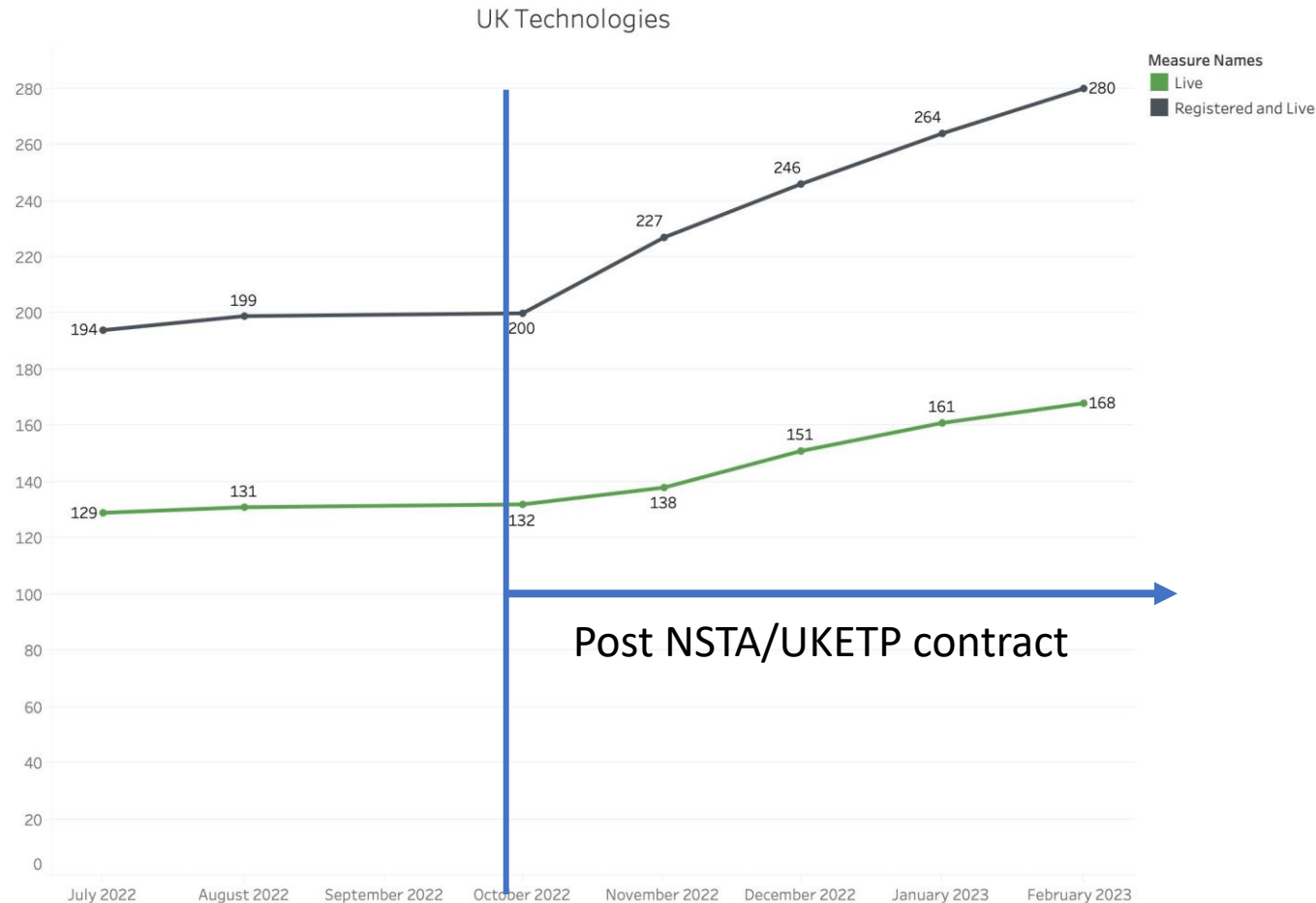
> 230 New end-user registrations

Since 01/11/2022

- At least one registered user from each major UK operator
- Most registrations from:
 - Harbour Energy
 - Repsol Sinopec
 - Shell UK
 - TAQA

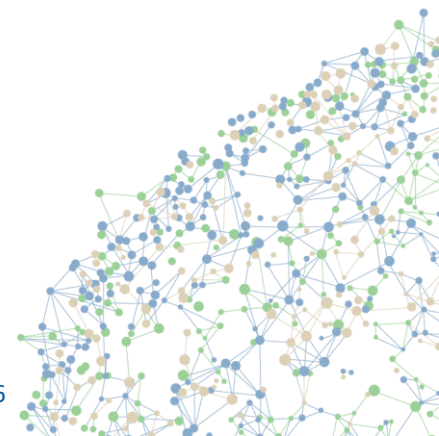


Supplier Registrations

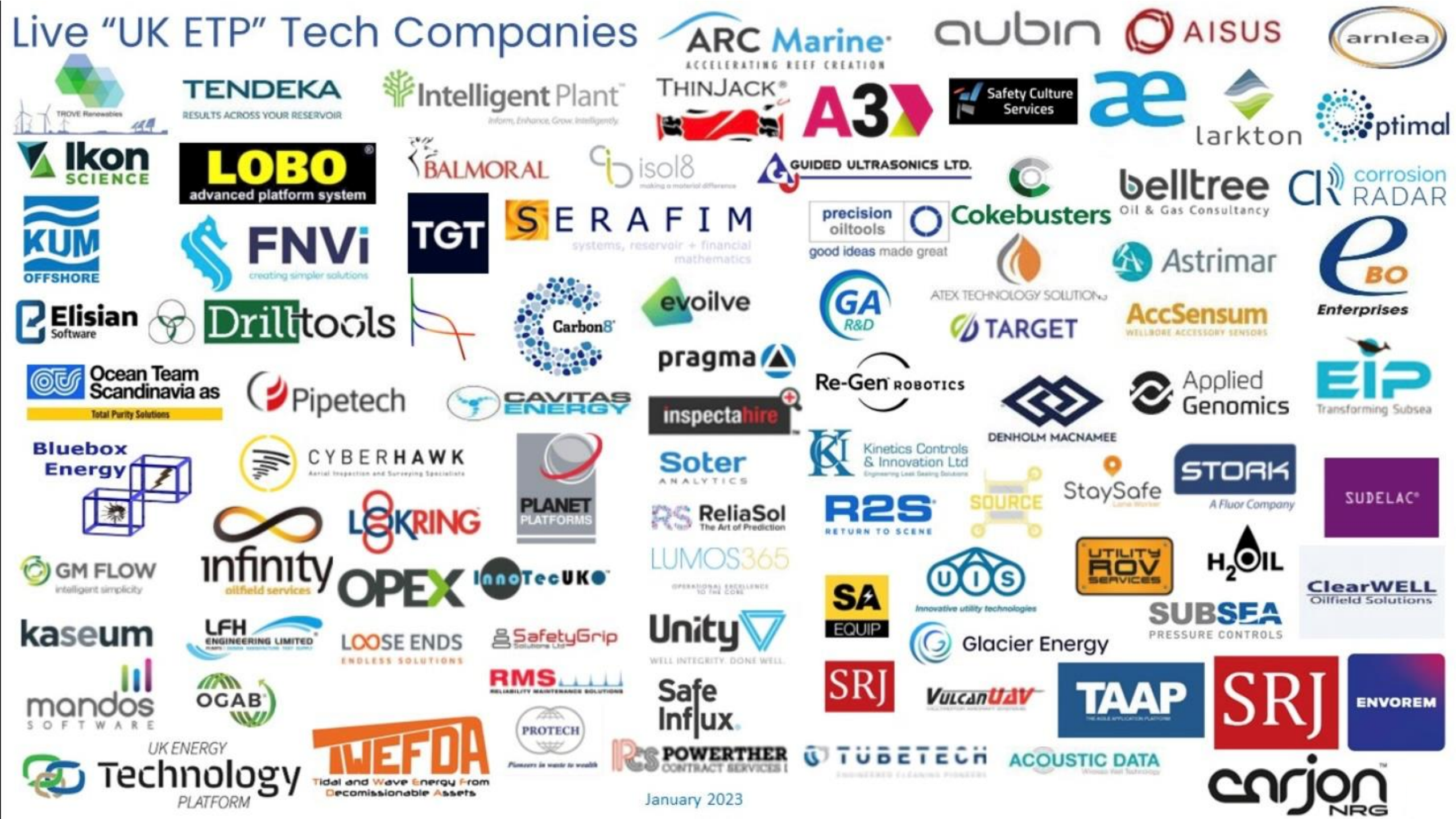


Since 1 November 2022:

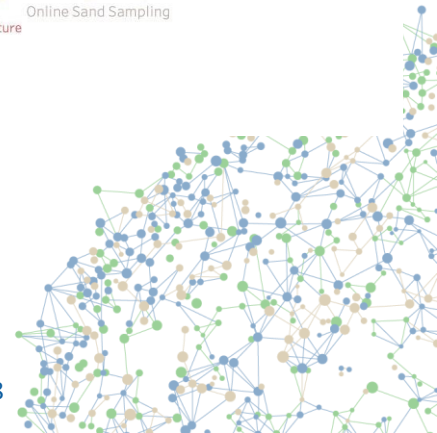
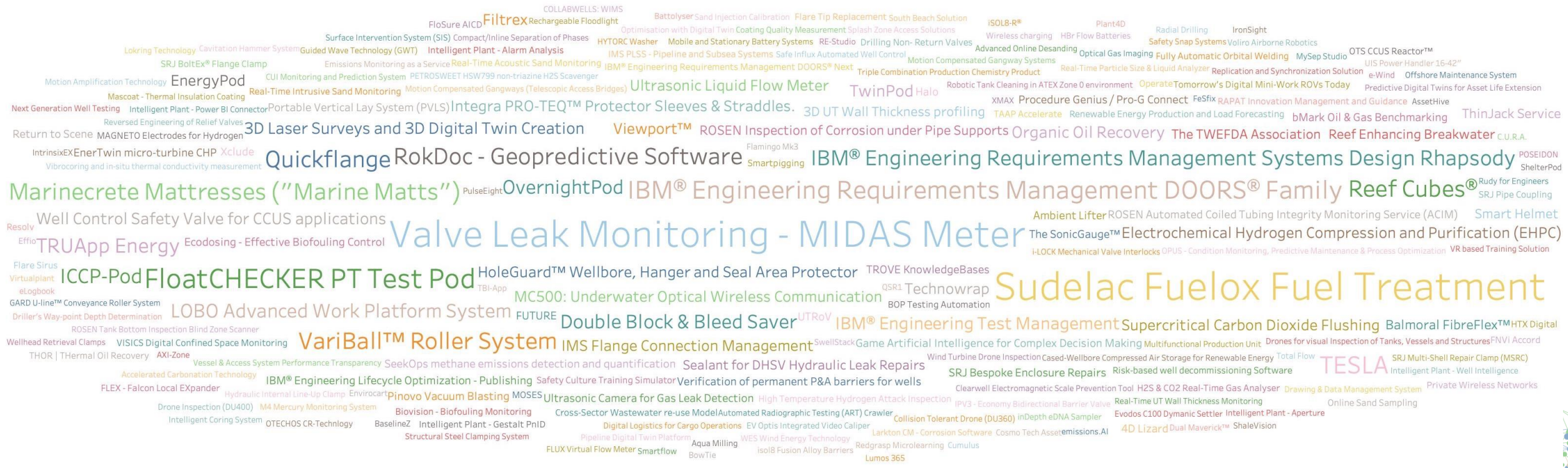
- + 80 Registered UK Technologies
- + 36 Live UK Technology Pages



Live "UK ETP" Tech Companies



Technology Views (last month)



Integration NSTA website & UKETP

- NSTA Technology Survey & Insights
- Technology Insights 2022 – Summary findings
- Technology Priorities for the Industry

- Lifecycle Categories**
- Seismic and Exploration
 - Well Drilling & Construction
 - Subsea systems
 - Installations and topsides
 - Reservoir & Well Management
 - Facilities Management
 - Well Plugging & Abandonment
 - Facilities Decommissioning

- Functional Categories**
- Data and Digital
 - Net Zero



- Technology**
- NSTA Technology Stewardship
 - NSTA Technology Survey & Insights
 - Technology Insights 2022 – Summary findings
 - Seismic and Exploration
 - Well drilling and construction
 - Subsea Systems
 - Installations and Topsides
 - Reservoir & Well Management
 - Facilities Management
 - Well Plugging & Abandonment
 - Facilities Decommissioning
 - Data and Digital
 - Net Zero
 - Technology Priorities for the Industry
 - Previous insights reports
 - Technology Leadership Board
 - UKCS Technology Network
 - Useful contacts
 - Wells Insight Report

Operators are focussing on Intelligent Plant Analysis, A greater uptake of Flare gas and Flash gas recovery technologies, compact separation systems.

Innovative thinking on use of low cost FPSO's, removing the need for a rotating turret and the subsequent complications of swivel mechanisms when adopting future electrification upgrades, digital twin technology being applied in new ways for methane measurement as well as digital models and data storage. growing adoption of low carbon power technologies to be more energy efficient, and greatly reduce carbon emissions, novel concepts emerging such as Waste Heat recovery and Wave energy Generation being added into the mix this year.

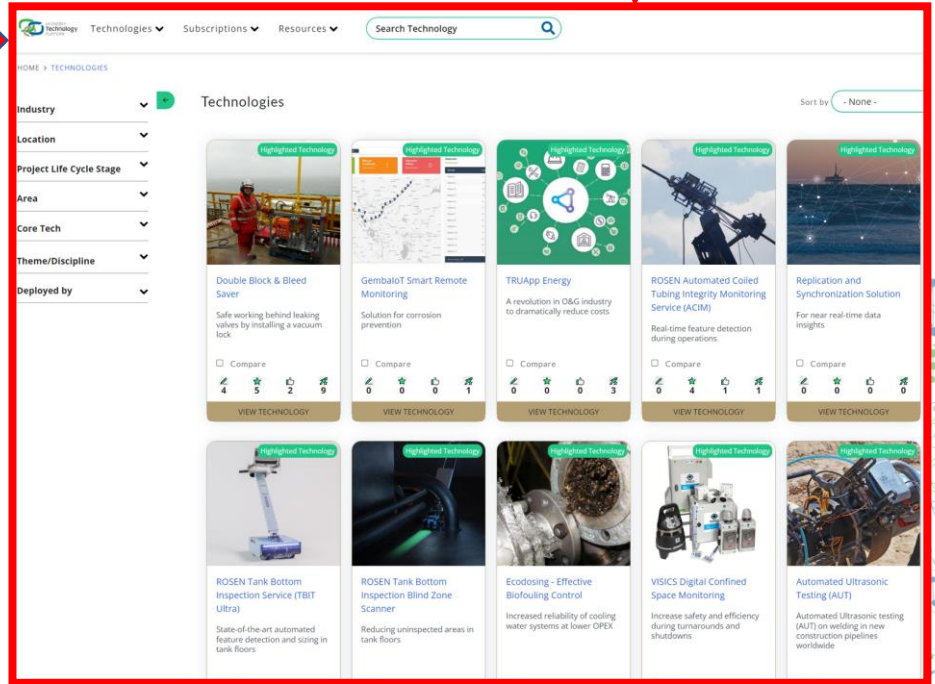
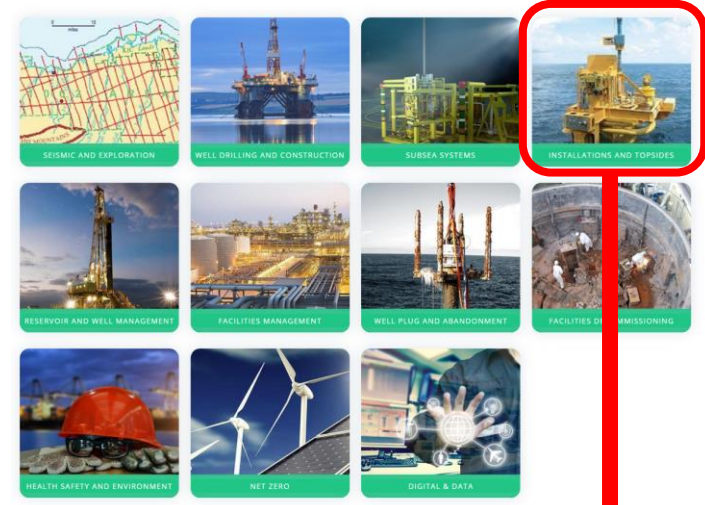
Low cost wellhead platforms for marginal developments, onshore smart rooms for remote operations of unmanned facilities, novel personnel transport systems such as dedicated Walk to Work vessel. Greater adoption of NII technologies such as hard to reach area inspections for cargo tanks, remote UT and sensor arrays, Corrosion under insulation, predictive analytics to improve plant efficiency, and adoption of electrification enabling Technologies.



Technology Catalogue

Click here to go to the UK Energy Technology Platform to find potentially relevant technologies in the area of Installations and topsides

Select your Asset Life Cycle Categories (Aligned to NSTA Strategy, Net-Zero and OEUK led Roadmap 2035 Objectives)



Working on similar link between the NSTA Pathfinder tool & UKETP

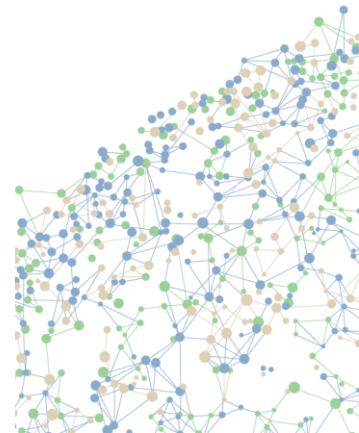
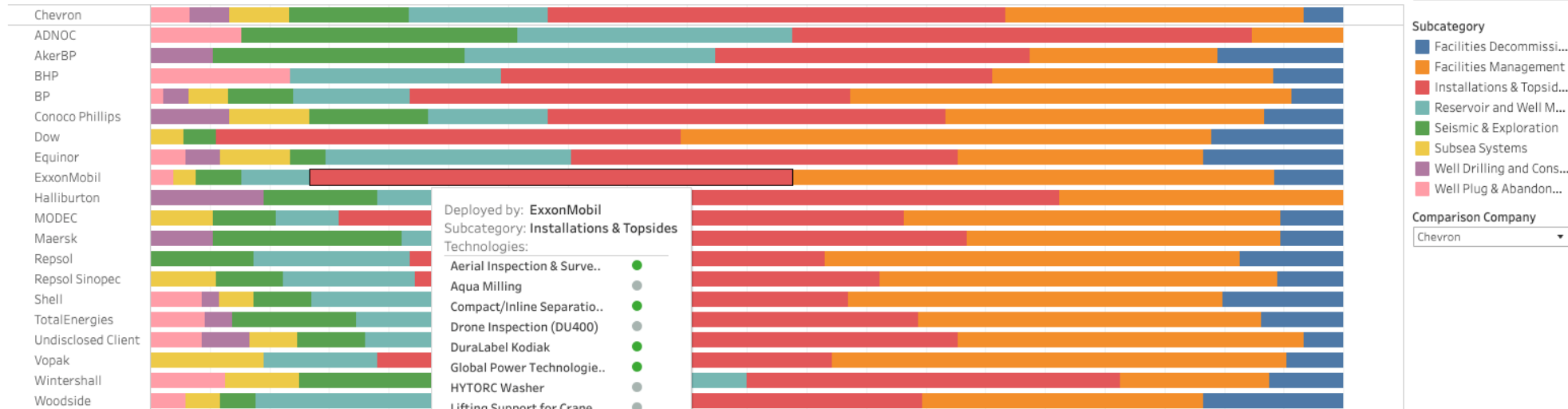
Accelerating Technology Deployment with the UKETP

Benchmarking

Insights Navigator

- ←
- BenchmarkingDashboard
- Company Ranking
- Technology Ideas
- Recommendation Table
- Relative Business Impact

NSTA Deployments



Accelerating Technology Deployment with the UKETP

Technology Ideas -> Recommendations

Insights Navigator

←

BenchmarkingDashboard Company Ranking **Technology Ideas** Recommendation Table Relative Business Impact

Technology Ideas for Chevron

Facilities Management	Apache	BP	EnQuest	INEOS	Ithaca Energy	Neptune Energy	PremierOil	Repsol Sinopec	TAQA
360° Digital Twin and 3D Visualisation Solu...		●							
Aim-Hi		●							
Aqua Milling				●				●	
CRU Rostering and CRU Scheduling		●							
Double Block & Bleed Saver									●
Effio		●		●					
EnergyPod					●				
FNVi Accord		●	●				●		
Guided Wave Technology (GWT)		●							
HYTORC Washer		●							
In-Service Pipe Lifts		●							
Innovative inspection method for HIC/SOHC		●							
Intelligent Plant - Alarm Analysis					●			●	
Intelligent Plant - Controller Consultant					●				
Intelligent Plant - Power BI Connector								●	
Intelligent Plant - Sequence of Events Expl..					●		●	●	
Internal Caisson Ultrasonic Inspection		●	●						
IntrinsicEX									●
Lokring Technology		●							
Mascoat - Thermal Insulation Coating		●							
MONPAC		●							
Obzervr - Fieldwork Mobility Solution		●							
OptiBoM		●							
Optical Gas Imaging	●	●						●	
OPUS - Condition Monitoring, Predictive M..									●
Quickflange™ Weldless Connectors		●							
QuikDeck®		●							
Rechargeable Floodlight		●							
Romware Covid Radius				●					
Safety Snap Systems		●							
SparkPredict® Predictive Analytics		●							
Splash Zone Access Solutions		●							
Syphonvac Online Sand Removal System		●							
Terra UT Drone - Ultrasonic Thickness Mea..		●							
ThinJack Service	●								
UTRoV						●			
Visavi						●			
VISICS Digital Confined Space Monitoring		●							

Category
NSTA

Subcategory

- (All)
- Facilities Decommissi...
- Facilities Management
- Installations & Topsid...
- Reservoir and Well M...
- Seismic & Exploration
- Subsea Systems
- Well Drilling and Con...
- Well Plug & Abandon...

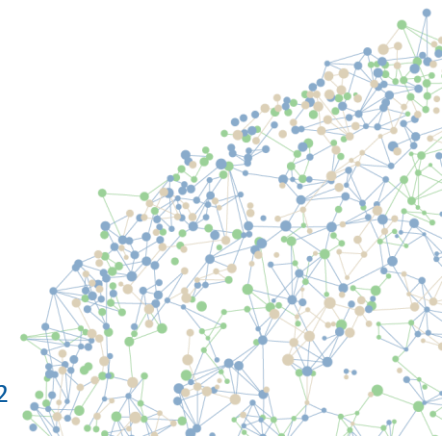
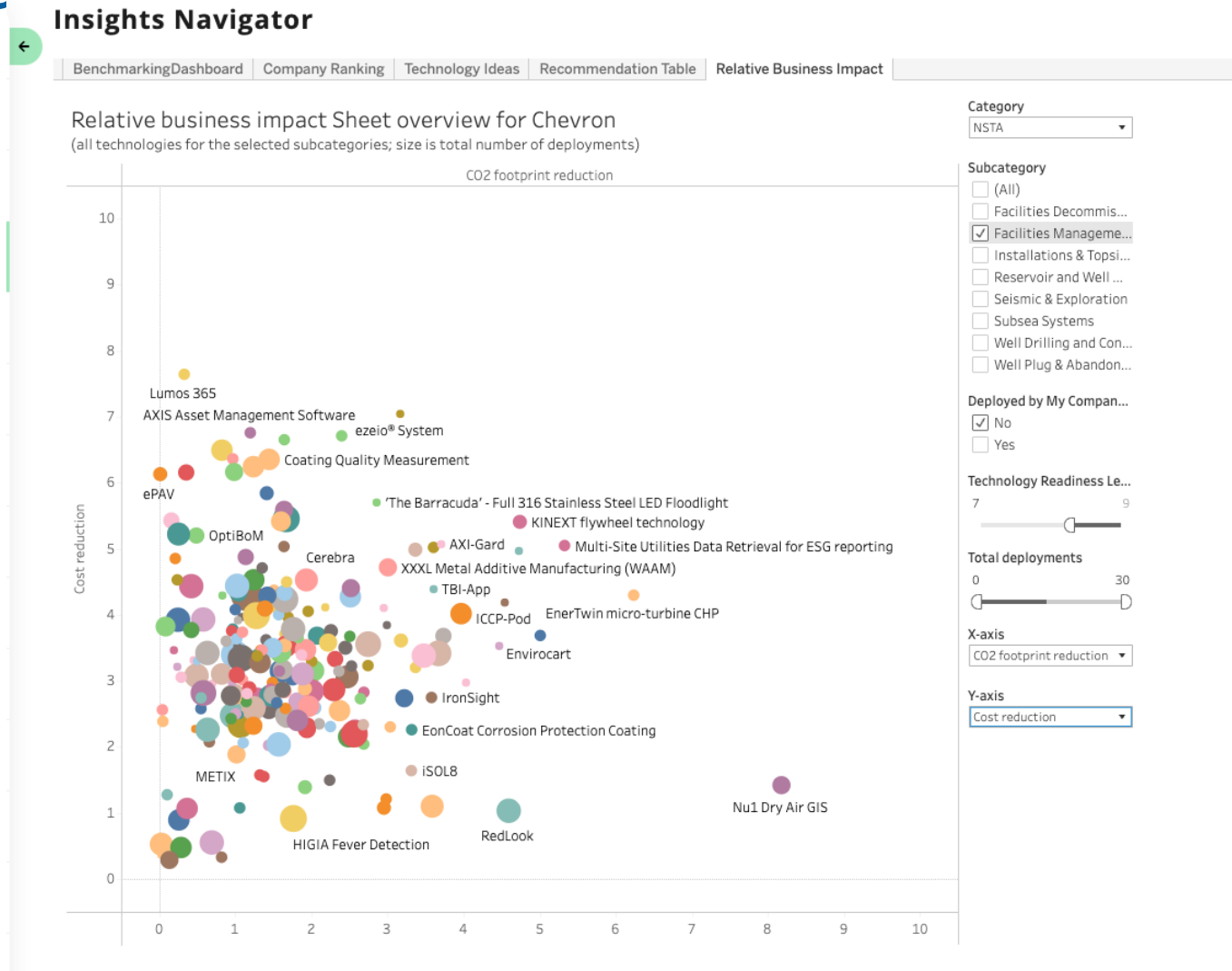
Peers/Competitors
(Multiple values)

- (All)
- ADNOC
- AkerBP
- Apache
- BP
- Conoco Phillips
- EnQuest
- Equinor
- ExxonMobil
- Hess
- INEOS
- Ithaca Energy
- Neptune Energy
- PremierOil
- Repsol
- Repsol Sinopec
- Santos
- Shell
- TAQA
- TotalEnergies
- Woodside



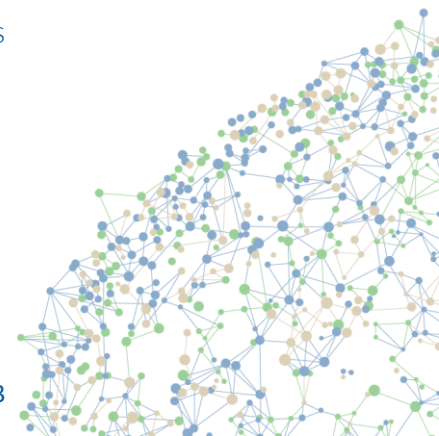
Accelerating Technology Deployment with the UKETP

Relative Business Impact



Accelerating Technology Deployment with the UKETP

- Optional service for operators to support making a technology selection by theme based on our data (*typically one-day workshop as add-on to a company subscription*)
- NSTA / UKETP in discussion to organise a training session in April 2023 in Aberdeen (to be confirmed)
 - How to efficiently select & deploy the right technology for your top challenges
 - Critical success factors for making technology deployment happen
 - Get your input on how the platform can be used to meet the technology planning requirements as determined by the NSTA. Including extra functionality that needs to be made available to make it as easy as possible to meet the NSTA requirements.
 - Get your input on feedback loops that need to be included, such that the annual input provided by the Operators to the NSTA is easily accessible to all Operators.





**Be part of the
change!**

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