



**FORTH
PORTS**

PRESENTATION FOR EDINBURGH SHORELINE

SCOTT CAMERON, SENIOR HARBOUR MASTER

About Forth Ports

Established in 1967, stock market flotation in 1992, returned to private long-term ownership since 2011



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Ports on the Forth, Tay & Thames

3rd largest port group in the UK

Statutory Harbour Authority
Forth & Tay

£1 BILLION continually investing in key infrastructure

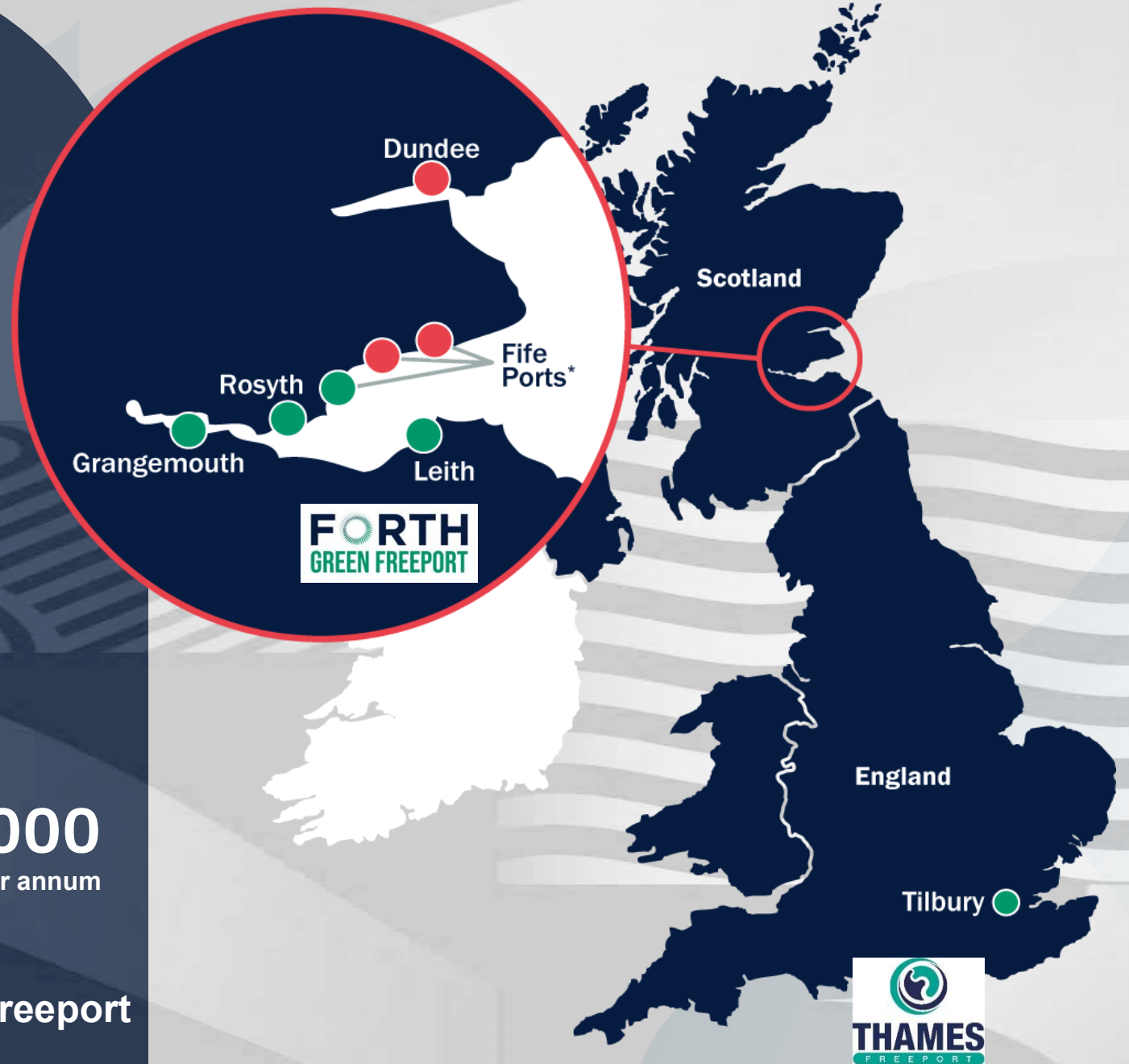
1,300+ employees

£300m group turnover

marine fleet & crane division

31,000,000 tonnes of cargo per annum

key partner: Thames Freeport & Forth Green Freeport



OUR HISTORY

With 60 years of ports ownership behind us, Forth Ports has helped all of our ports to grow into important national assets, supporting and delivering growth, both for the UK and for their local economies. This has been achieved through continued investment in infrastructure, making sure that our ports are able to continually develop their services to support the many industries we serve and the communities in which we operate.

Our people have played a significant role, delivering the highest quality of service through their expertise, loyalty and flexibility. Without them, we could not have built the strong reputation and the long-term relationships with many customers that we enjoy today.

The Forth Harbour Reorganisation Scheme, constituting Forth Ports Authority ("FPA"), became law by Act of Parliament. Forth Ports was a public trust port responsible for six ports grouped within the Firth of Forth namely – Leith (a trust administered port), Granton (a private company), Grangemouth, Methil and Burntisland (all controlled by British Transport Docks Board) and Kirkcaldy (owned by the Burgh of Kirkcaldy).

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Marine terminals became operational within the Firth of Forth at Hound Point (and subsequently at Braefoot Bay in 1984).

FPA assumed responsibility for the provision of pilotage within the Firth of Forth.

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FPA successfully transferred into the private sector as Forth Ports and was listed on the London Stock Exchange on 23rd March 1992.

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Royal Assent was granted to The Ports Act providing that any trust port could, with the consent of the Secretary of State, become a private limited company.

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Forth Ports acquired the Port of Tilbury London Limited ("PoTLL") on the Thames and the Port of Dundee Limited on the River Tay.

Forth Ports acquires land for the London Distribution Park (70 acres) which has subsequently been developed for warehouse and haulage parking with the UK's largest warehouse located on-site for Amazon.

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Forth Ports completed the £95m acquisition of Tilbury Container Services, which has been renamed London Container Terminal.

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Forth Ports was acquired by Arcus Infrastructure Partners, an independent fund manager specialising in European infrastructure, and PSP Investments, one of Canada's largest pension investment managers.

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Forth Ports acquired land for Tilbury2 (152 acres), this is part of the £1billion investment programme for Tilbury since 2012.

Forth Ports enters its 50th Year of trading

2018

Secretary of State for Transport grants development consent order (DCO) for the construction of Tilbury2.

2020

Forth Ports is acquired 100% by PSP Investments with a subsequent limited sale to a number of co-investors.

2017

2019

Tilbury2 opens – the UK's largest unaccompanied freight ferry port and the country's biggest construction processing hub

Acquisition of Targe
Towing and OM
Heavy Lift.
Strengthening our
marine and heavy lift
capability to deliver a
fully integrated, end-
to-end offshore wind.

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Opening of the Charles Hammond
Berth. A major milestone in the port
of Leith's regeneration, fully enabling
the port for offshore wind projects.
First project commences – Inch Cape
Offshore Wind Farm – serving as the
primary marshalling and logistics hub
for foundation components.

Delivery of first major offshore wind
project, Neart na Gaoithe (NNG) at
the Port of Dundee

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TODAY

DATA

1. Navigational Safety & Conservancy

Marine teams use data to keep waterways safe and compliant:

- Hydrographic survey data → dredging plans, depth monitoring, shoal detection
- Aids to Navigation (AtoN) performance data → reliability, outages, maintenance cycles
- Tide, current, wind and metocean data → vessel movement planning, berth windows, navigational risk assessment
- Vessel movement data (AIS, RADAR, VTS systems) → traffic patterns, conflict points, incident reconstruction

2. Operational Planning & Efficiency

Data drives how ports operate:

- Berth utilisation data → scheduling, congestion management
- Pilotage and towage demand data → resource planning
- Turnaround time data → performance monitoring and commercial reporting
- Weather and tidal windows → safe access/egress, especially for deep-draft vessels

3. Compliance & Safety Management

Ensuring all aspects are safe and done in line with legislation, regulations and guidance:

- Exercise and audit records → demonstrating PMSC compliance
- Incident and near-miss data → trend analysis, corrective actions
- Document control data → ensuring procedures are current and reviewed
- Training and competency data → proving personnel capability

4. Environmental & Sustainability Monitoring

Central to port operations:

- Water quality and spill response data → statutory reporting to MCA on spills and exercises
- Dredge material sampling → ensuring material is safe to dispose of
- Noise monitoring data → community impact
- Wildlife and habitat monitoring data → conservation obligations
- Carbon and energy-use data → net-zero planning

5. Strategic Planning & Investment

Long-term decisions rely on:

- Traffic forecasts and trade patterns
- Hydrographic change over time
- Infrastructure condition data
- Risk and hazard trend data

6. Emergency Response & Resilience

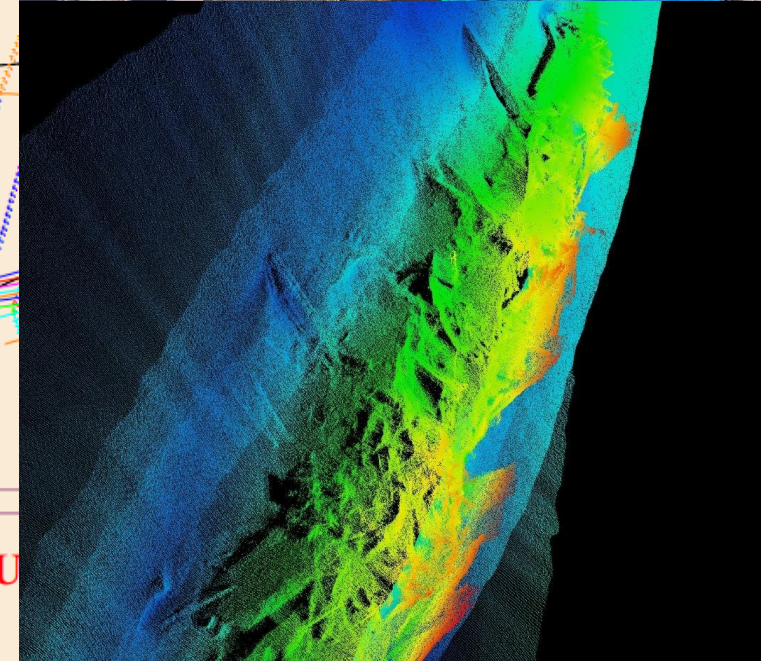
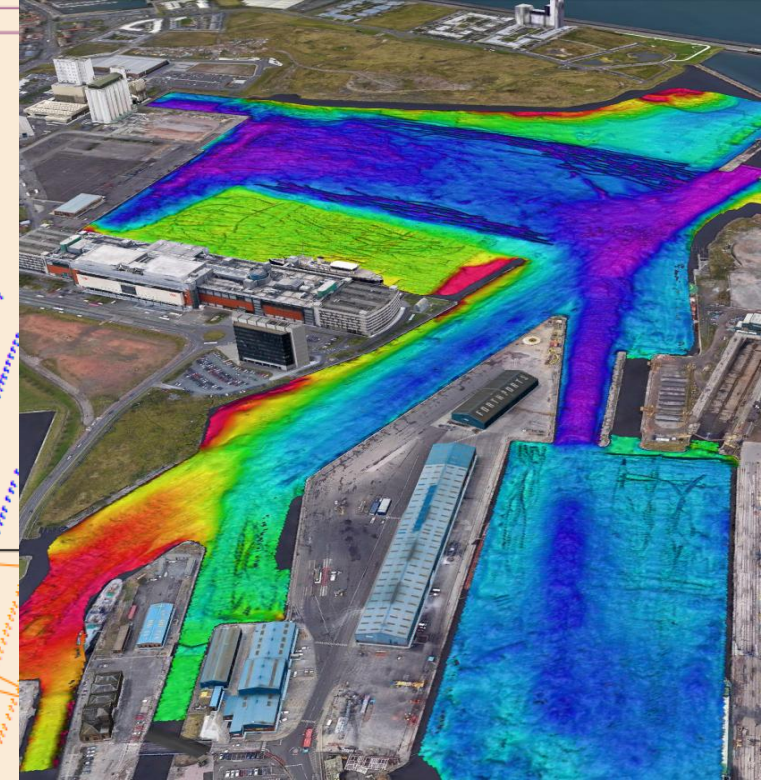
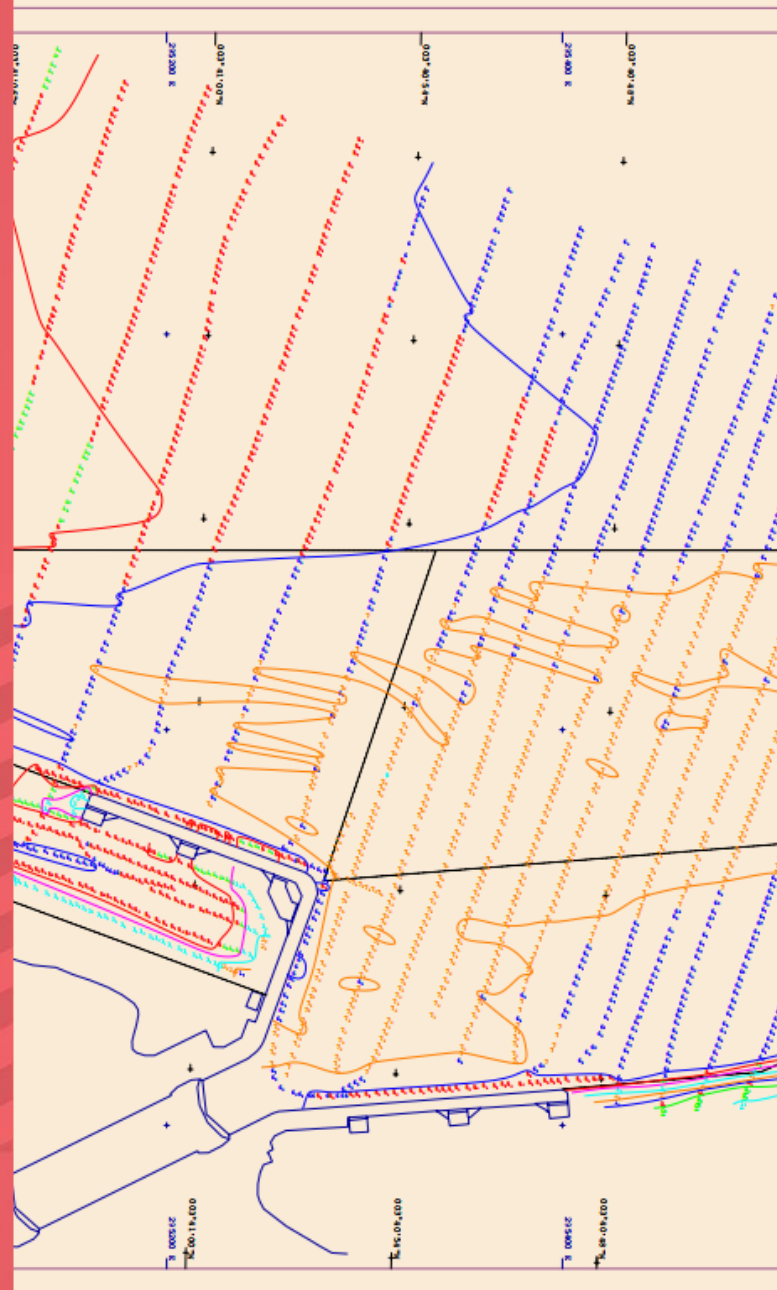
Data supports rapid decision-making:

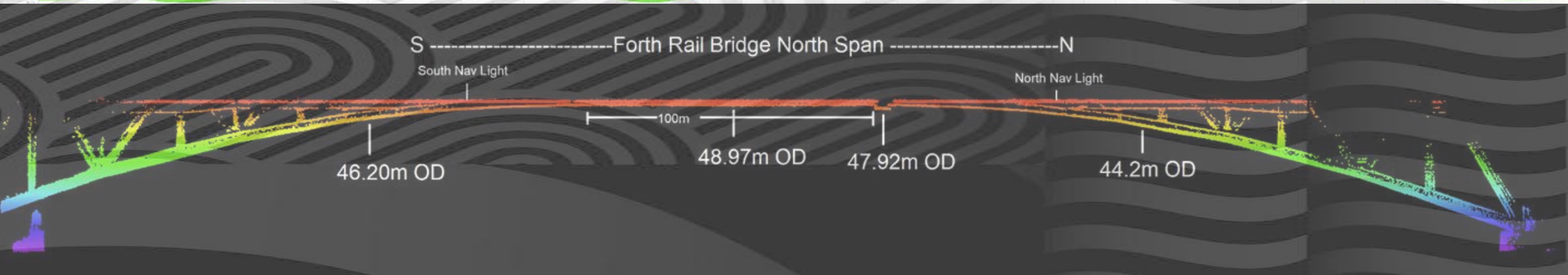
- Live AIS and VTS feeds → vessel position during incidents
- Weather and tide predictions → response planning
- Resource availability data → tugs, pilots, equipment
- Inter-agency information sharing → police, MCA, environment agencies

FORTH PORTS MARINE USE DATA TO KEEP WATERWAYS SAFE, RUN PORT OPERATIONS EFFICIENTLY, MEET STATUTORY OBLIGATIONS, PROTECT THE ENVIRONMENT, AND PLAN FUTURE INFRASTRUCTURE.

MULTIBEAM SONAR

- Array of transducers
- Emit a sound wave in a "swath"
- Detection of objects on seafloor
- Clear 3D representation of seabed
- Highly accurate / full coverage
- Easier identification of:
 - objects
 - features
 - hazards





LIDAR

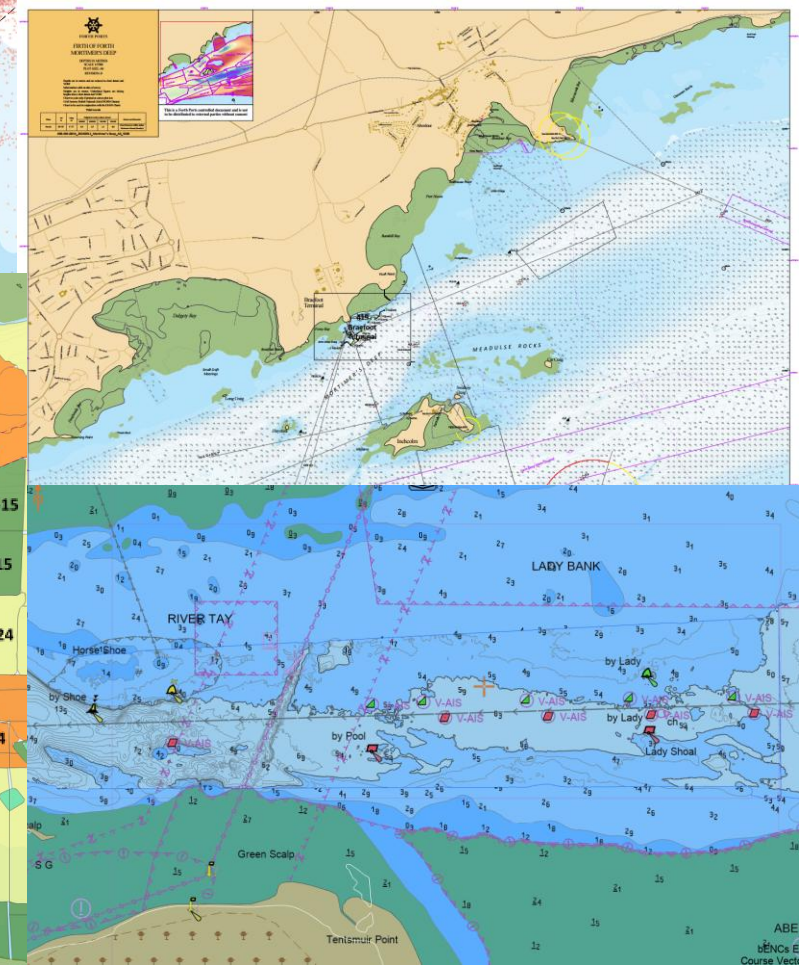
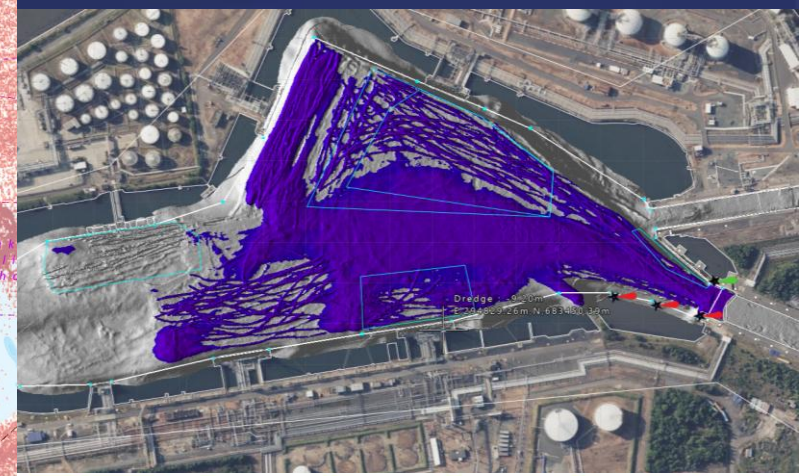
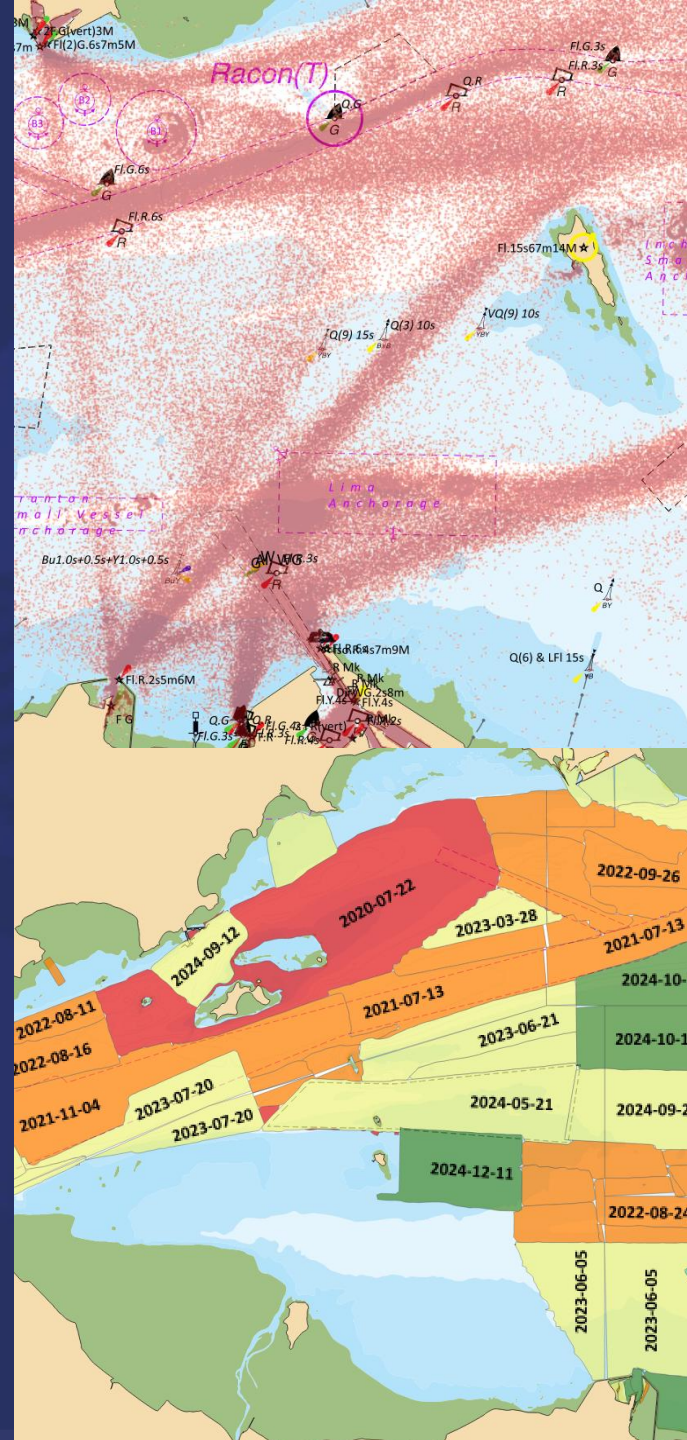
- Detailed 3D mapping of shorelines, quaysides and bridges
- Rapid identification of structural features and hazards
- Required for effective max air draft and clearance calculations
- High accuracy comprehensive spatial coverage

CENTRALISED MAPPING

- Manage, analyse, and visualize
- Complex spatial data
- Reveal hidden patterns, trends and relationships
- Rapid turnaround
- 'Paperless' data delivery
- Single source of spatial intelligence
- Optimised operations and planning
- Reduced risks
- Improved communication

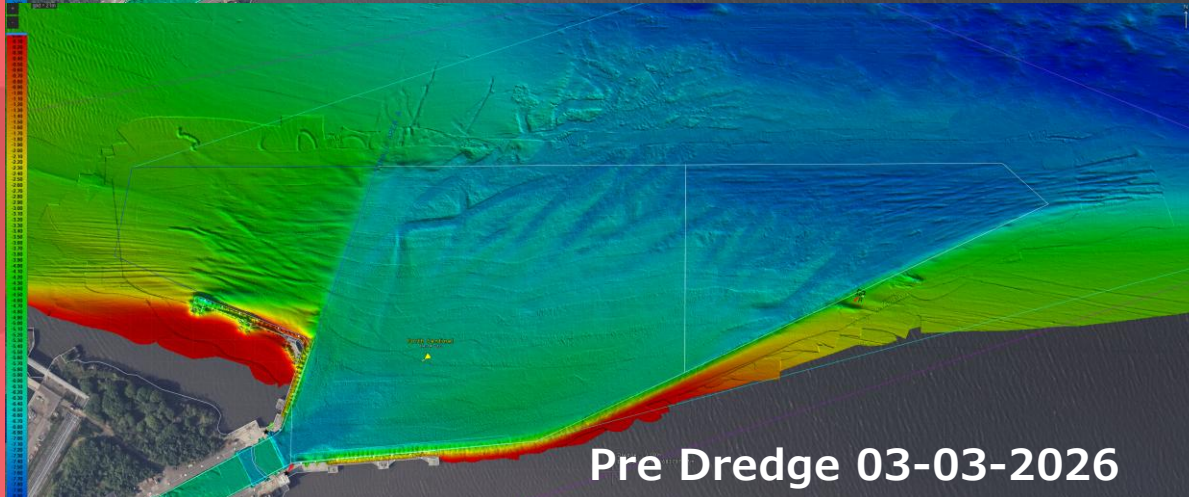
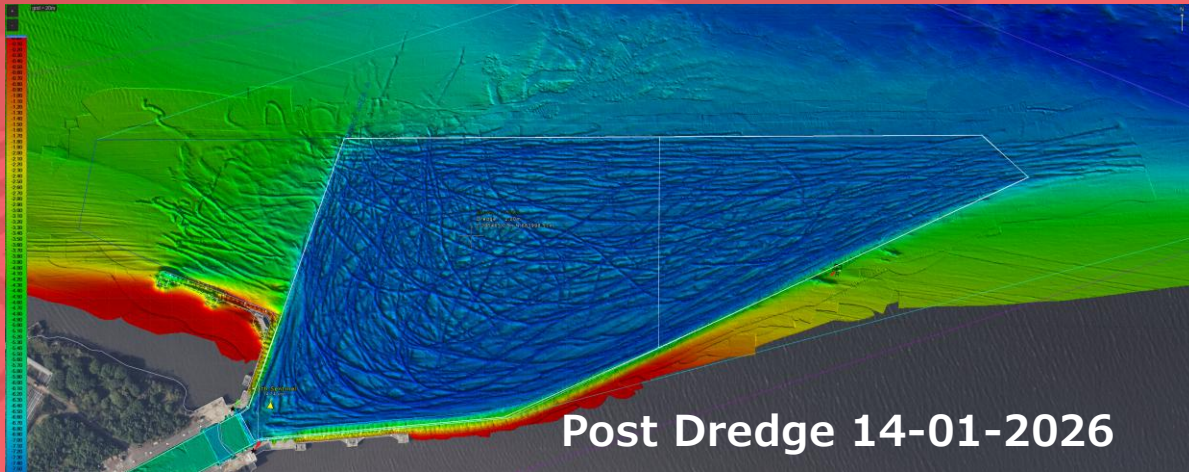
GIS

- Improved chart accuracy and detail
- Data analytics and interrogation
- Pre-operation planning and post incident interrogation
- Integration and combination of multitude of data sources
- Risk-based approach to planning and review
- Provides a single source of geospatial information



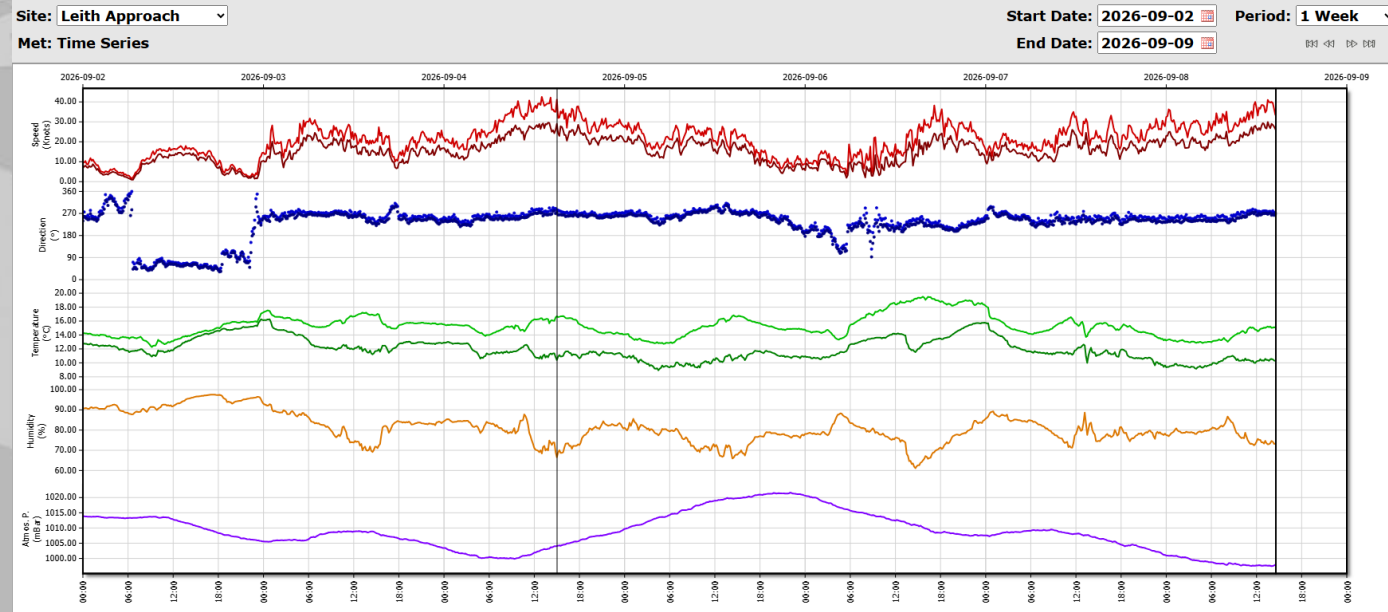
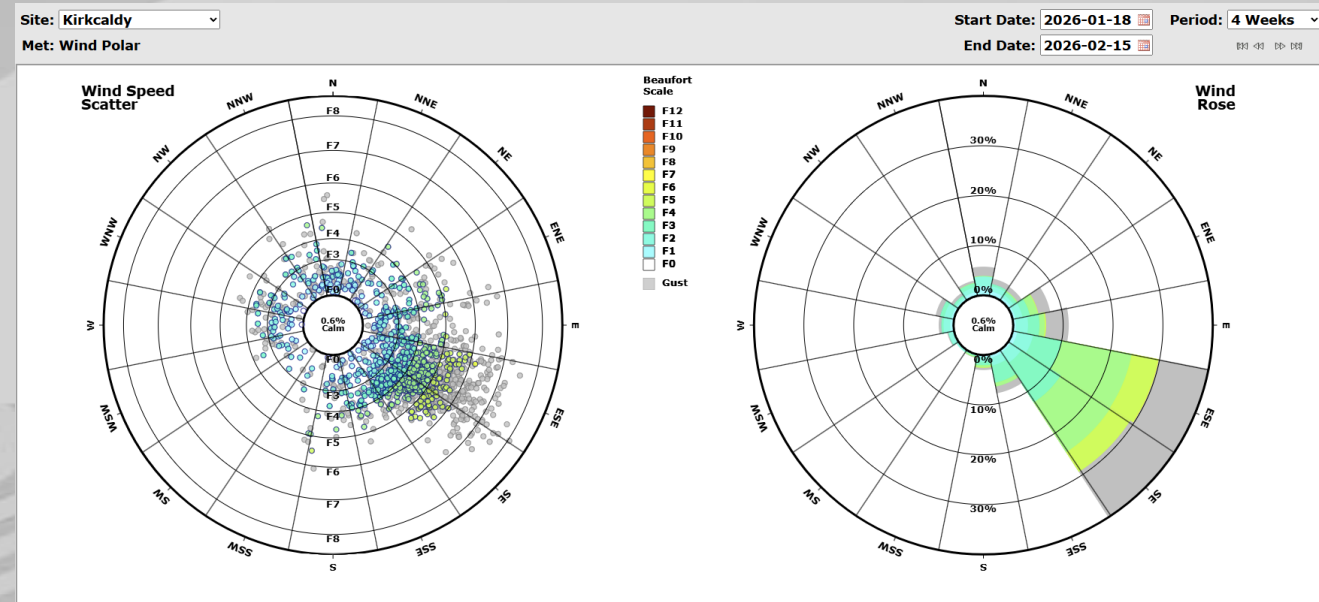
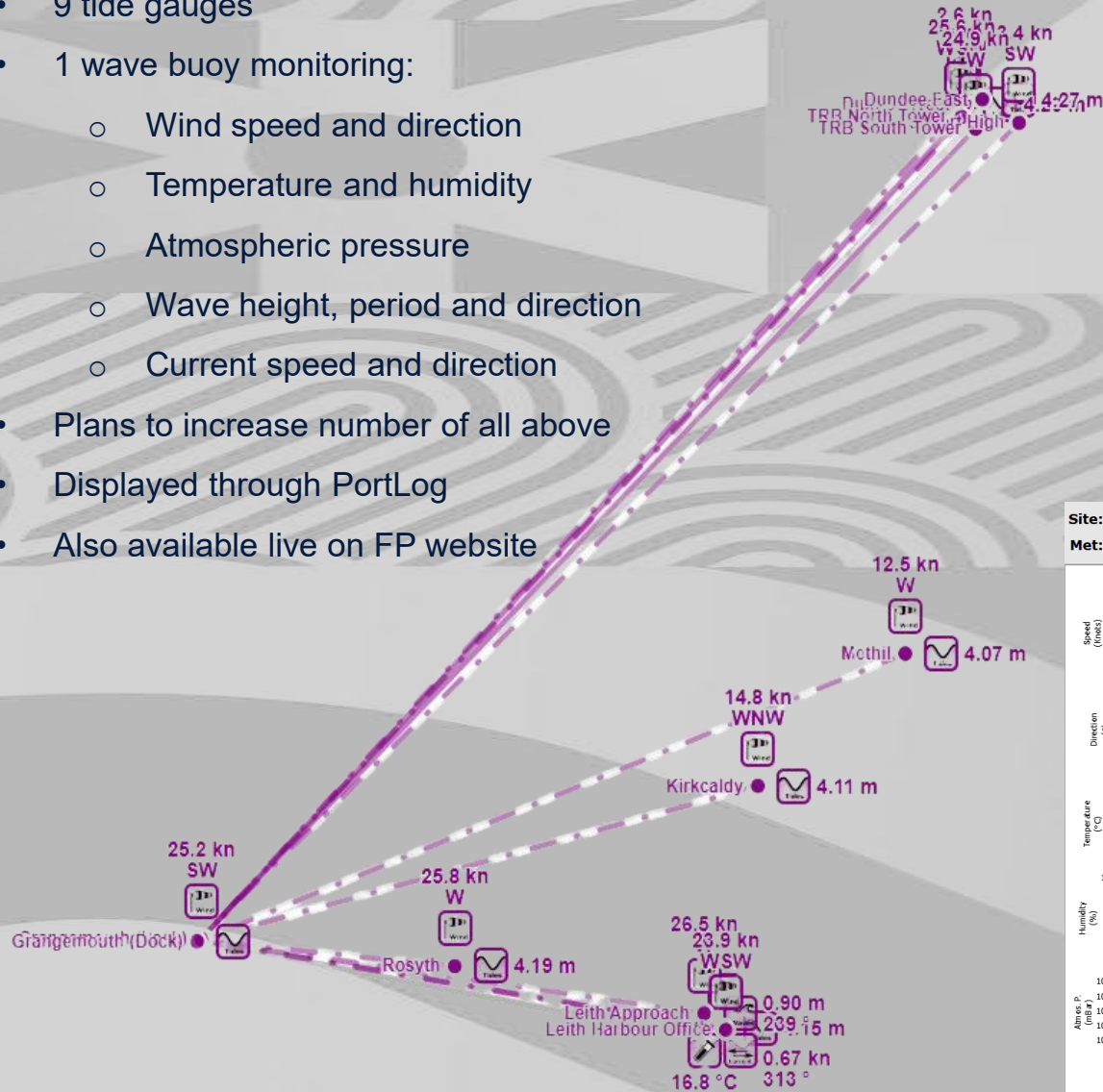
DREDGING

Dredging means using equipment to move material on the seabed. It includes removing sediment completely or moving it from one place to another.

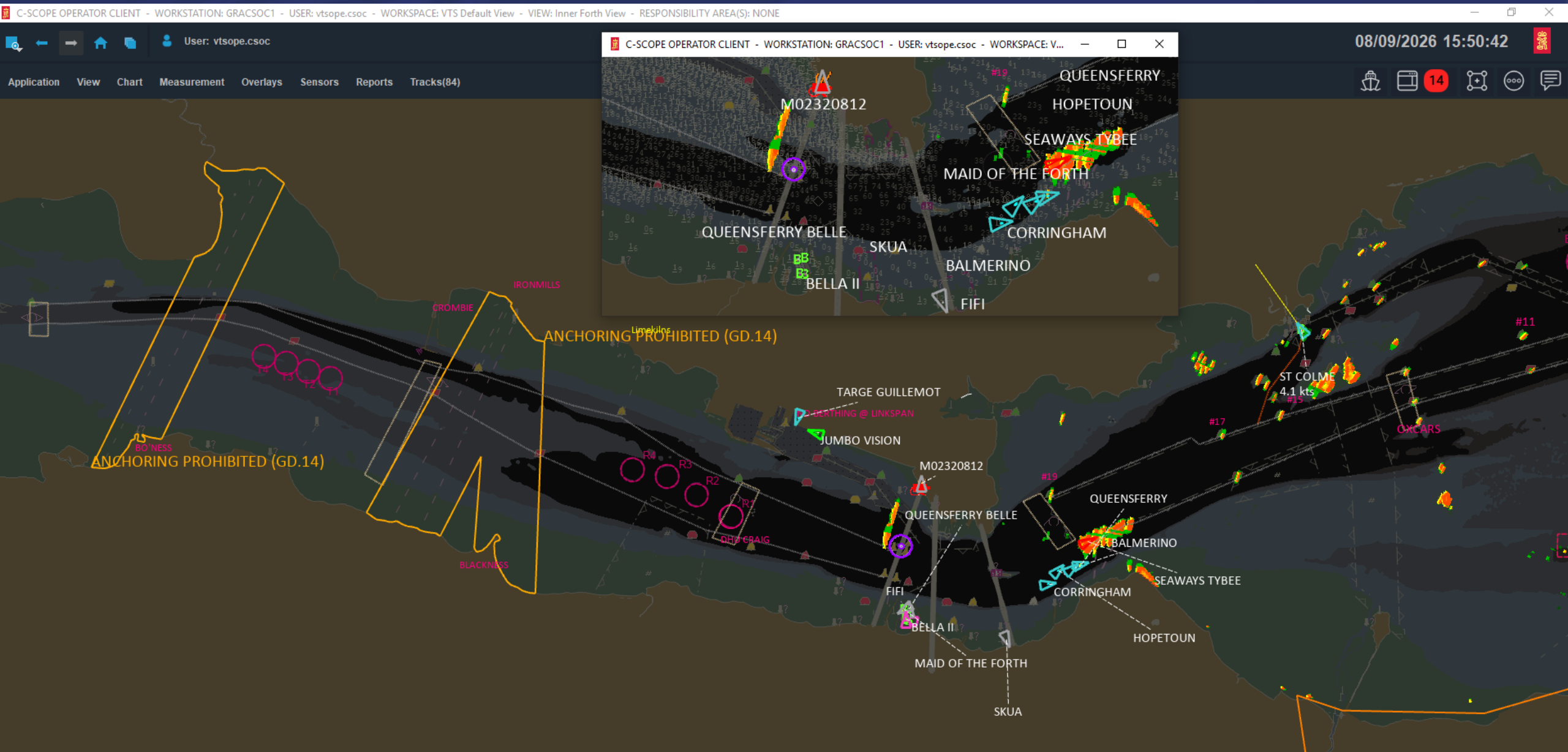


ENVIRONMENTAL SENSORS

- Display 12 anemometers
- 9 tide gauges
- 1 wave buoy monitoring:
 - Wind speed and direction
 - Temperature and humidity
 - Atmospheric pressure
 - Wave height, period and direction
 - Current speed and direction
- Plans to increase number of all above
- Displayed through PortLog
- Also available live on FP website

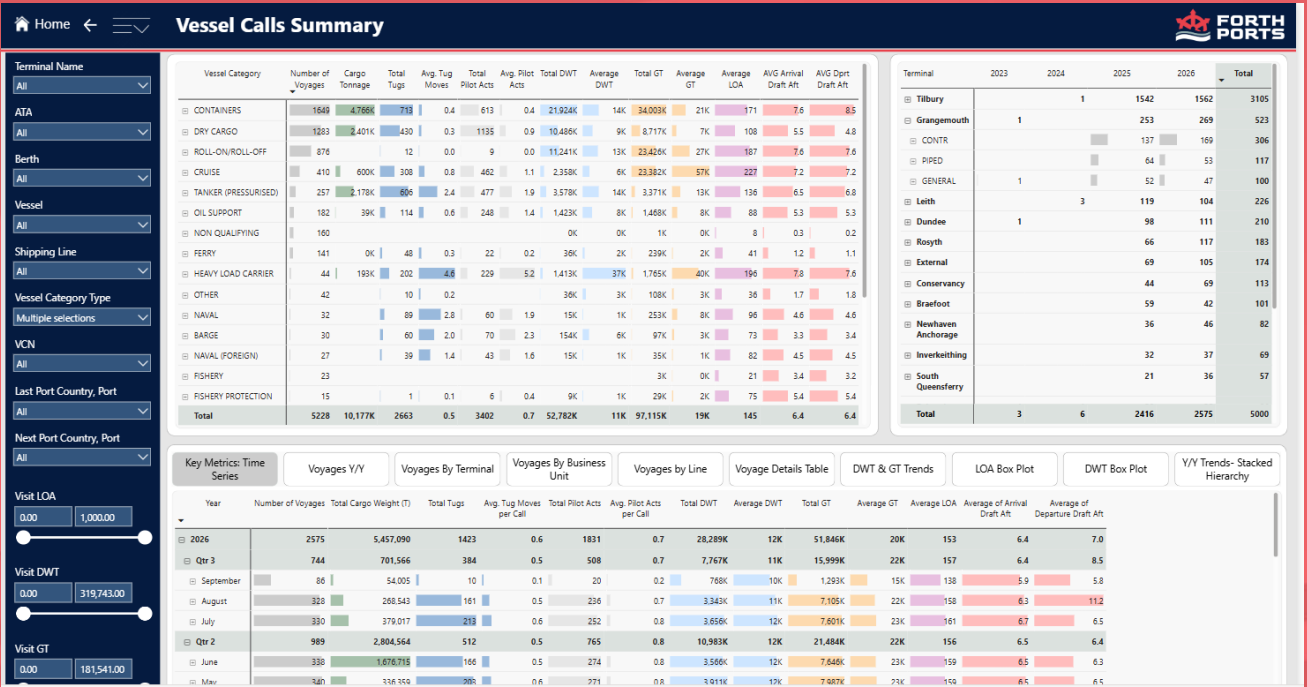


VESSEL TRAFFIC SERVICES SYSTEM



POWER BI

Marine teams use Power BI to turn years of operational, navigational, and incident data into clear trends that improve safety, planning, and compliance. By analysing historical vessel movements, berth occupancy, tidal windows, conservancy changes, and incident patterns, ports can identify risks, optimise pilotage and resource planning, support dredging strategies, and demonstrate long-term PMSC compliance. Historical data gives harbour authorities a deeper understanding of how the waterfront behaves over time — informing better decisions, safer navigation, and smarter investment in marine infrastructure.



PortControl											
Grangemouth											
Scott Cameron											
Visit All vessels											
+ Add Add PVM Edit Delete Create Inter-Port Copy PVM Cancel											
	VCN	Port	Vessel	F..	Vessel Class	V..	Vess...	Status	Shipping Line	Start Time	Arrival T
i	S262538	Grangemouth	LYNDHURST TUG BOAT	9128495 MCVY8	Other	30	11	Confirmed		13/09/26 02:00	
i	S262537	Methil	PINTA DRY CARGO	9063299 ZDFC8	Cargo	82.38	12.5	Requested	DENHOLM PORT SERVI	14/09/26 06:45	14/05
i	S262536	Grangemouth	LYNDHURST TUG BOAT	9128495 MCVY8	Other	30	11	Confirmed		12/09/26 13:15	
i	S262535	Grangemouth	TARGE GUILLOT TUG BOAT	9890123	Other	24.73		Complete		09/09/26 04:01	
i	S262534	Leith	SILVER WIND CRUISE	8803935 C6FG2	Other	155.7	21.4	Draft	DENHOLM PORT SERVI	10/06/27 16:00	10/06
i	S262533	Leith	SCENIC ECLIPSE CRUISE	9797371 C6ET4	Other	168	21.5	Draft	DENHOLM PORT SERVI	04/06/27 23:15	05/06
i	S262532	Rosyth	SEA SPIRIT CRUISE	8802868 CQEJ2	Other	90.6	15.27	Draft	GAC SERVICES (UK) LIMIT	20/05/27 03:45	20/05
i	S262531	Conservancy	CRC SENTINEL TUG BOAT	92898660 ZECN8	Other	18	6	Pending	CLARKSONS PORT SERVI	08/09/26 18:52	09/05
i	S262530	Grangemouth	ENCOUNTER CONTAINERS	9255775 PHAO	Container	134.6	21.5	Requested	CMA CGM S.A.	30/09/26 02:15	30/05
i	S262529	Braefoot	HOURLI MARU TANKER (PRESSURISED)	9798585 V7A2157	Cargo	182.9	29.6	Planned	GRAYPEN LIMITED	15/09/26 07:45	15/05
i	S262528	Grangemouth	DALMORE TANKER (NON PRESSURISED)	1055454	Cargo	150		Agreed	GAC SERVICES (UK) LIMIT	12/09/26 23:45	13/05
i	S262527	Grangemouth	LYNDHURST TUG BOAT	9128495 MCVY8	Other	30	11	Confirmed		13/09/26 13:15	
Showing 4397 entries as of 09/09/26 11:30											
Selected items: 1											
DISCLAIMER PRIVACY WEBMASTER											
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PORT CONTROL

One platform to plan, manage, and invoice every port operation. PortControl is a modular port management system built with harbour masters, pilots, towage operators, and finance teams.



**FORTH
PORTS**

**THANK YOU, ANY
QUESTIONS?**