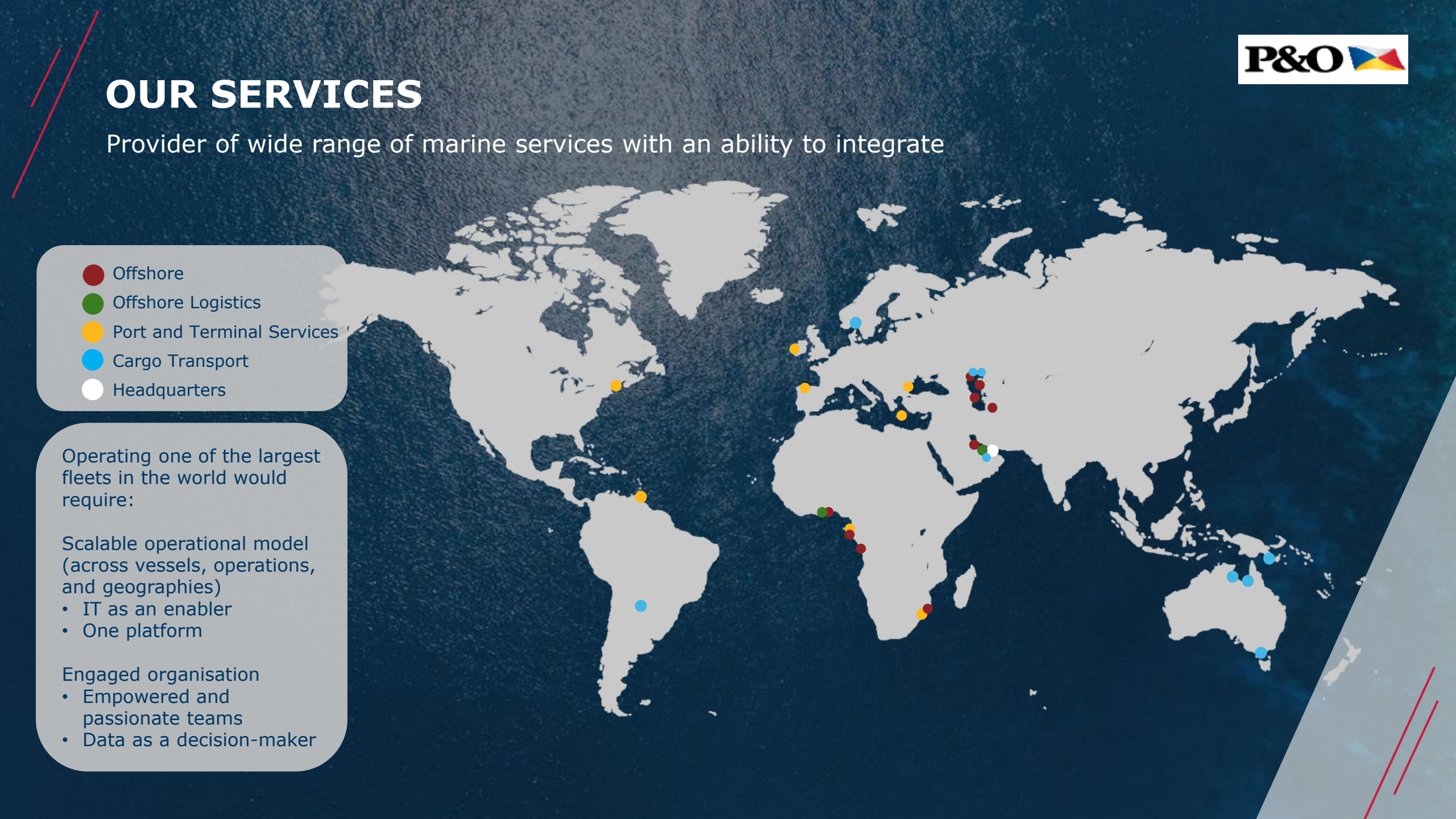
Safety Management On Research Vessels

If it wasn’t Marine Research, we'd know what we are doing!!

OUR SERVICES

Provider of wide range of marine services with an ability to integrate



Operating one of the largest fleets in the world would require:

Scalable operational model (across vessels, operations, and geographies)

- IT as an enabler
- One platform

Engaged organisation

- Empowered and passionate teams
- Data as a decision-maker

THE P&OML GLOBAL FOOTPRINT

P&OML has offices worldwide

A fleet of 400+ vessels

185-year legacy born in 1837 in London, UK

3000+ employees from 52 nationalities

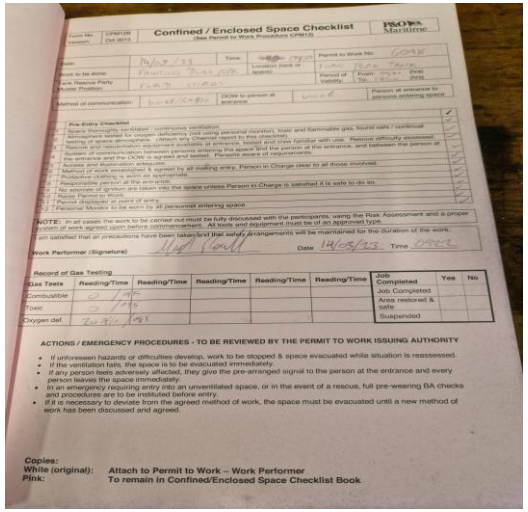
P&O Maritime Logistics Corporate

- Company Standards
- ABS Nautical Systems (NSE)
  - Purchasing
    - HSEQ
    - Maintenance
- Self-Verification System
- Corporate Assurance Assessments / Visits
- Safety Bulletins
- Emergency Response
- HSSEQ Intranet

Fundamentals

- ISM
- ISPS
- MLC
- ISO 9001 (Quality)
- ISO14001 (Environment)
- ISO45001 (OHS)

Safety Management on Research Ships


Confined / Enclosed Space Checklist

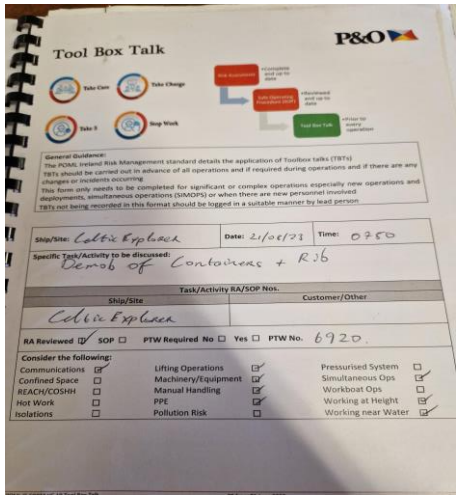
Record of Gas Testing

Gas Tests	Reading/Time	Reading/Time	Reading/Time	Reading/Time	Reading/Time
Combustible	0				
Toxic	0				
Oxygen def	20.9%				

ACTIONS / EMERGENCY PROCEDURES - TO BE REVIEWED BY THE PERMIT TO WORK ISSUING AUTHORITY

- If unforeseen hazards or difficulties develop, work to be stopped & space evacuated while situation is reassessed.
- If the ventilation fails, the space is to be evacuated immediately.
- If any person feels adversely affected, they give the pre-arranged signal to the person at the entrance and every person leaves the space immediately.
- In an emergency requiring entry into an unventilated space, or in the event of a rescue, full pre-wearing BA checks and procedures are to be instituted before entry.
- If it is necessary to deviate from the agreed method of work, the space must be evacuated until a new method of work has been discussed and agreed.

Copies:
White (original): Attach to Permit to Work – Work Performer
Pink: To remain in Confined/Enclosed Space Checklist Book


Tool Box Talk

P&O

General Guidance:
The POML Ireland Risk Management standard details the application of Toolbox talks (TBTs)
TBTs should be carried out in advance of all operations and if required during operations and if there are any changes or incidents occurring
This form only needs to be completed for significant or complex operations especially new operations and deployments, simultaneous operations (SIMOPS) or when there are new personnel involved
TBTs not being recorded in this format should be logged in a suitable manner by lead person

Ship/Site: Celtic Explorer | Date: 21/01/23 | Time: 0750

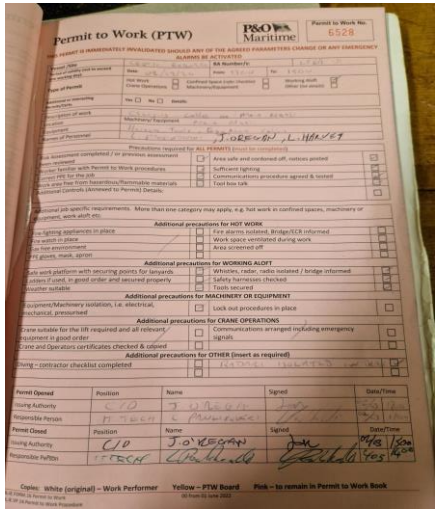
Specific Task/Activity to be discussed: Demob of Containers + RIB

Task/Activity RA/SOP Nos.	
Ship/Site	Customer/Other
Celtic Explorer	

RA Reviewed ☑ SOP ☐ PTW Required No ☐ Yes ☐ PTW No. 6920.

Consider the following:

Communications ☑	Lifting Operations ☑	Pressurised System ☐
Confined Space ☐	Machinery/Equipment ☑	Simultaneous Ops ☐
REACH/COSHH ☐	Manual Handling ☑	Workboat Ops ☐
Hot Work ☐	PPE ☑	Working at Height ☑
Isolations ☐	Pollution Risk ☐	Working near Water ☑


Permit to Work (PTW)

P&O Maritime

Permit to Work No. 6529

THIS PERMIT IS IMMEDIATELY INVALIDATED SHOULD ANY OF THE AGREED PARAMETERS CHANGE OR ANY EMERGENCY ALARMS BE ACTIVATED

Copies: White (original) – Work Performer | Yellow – PTW Board | Pink – to remain in Permit to Work Book

Our Values

How Do We Support Our Vision?

Take Care

Take Charge

Take 5

Stop Work

- What is different about safety management of Research vessels?
  - By its nature science, pushes technology and as a result creates new technical, operational and safety challenges to the delivery of successful surveys on board.

- Operation of CPT / Customer ROV/ 3rd party equipment not previously integrated and / or deployed.
- Bridging safety procedures and risk assessments with customers and 3rd parties.
- Accommodating inexperienced scientific crew. With differing Safety Cultures and Values.
- Operating in new environments / POLAR Research.

Get Information Early

- Technical and physical information well in advance to avoid nasty surprises.
  - Power
  - IT
  - Data
- Dimensions and weights (in air and sea)
- Gases/Chemicals/Radiological

Get Information Early

- Identify operational requirements.
- Deployment methods etc

- Safety
- 3rd Party Risk Assessment and procedures to bridge.
- Are there any safety or operational roadblocks ?
- Can they be mitigated?
- Are there alternatives?

Communication

- Early engagement and consultation with the master and relevant crew.
- Never commit a Master to something that he believes is unsafe . When in doubt check!
- Lay out all the known facts at an early stage
- Technical data/IT/instrumentation and engineering teams need to work together to deliver solution.

Know your Stakeholders

- Vessel Owners
- Operators / including HSEQ
- Scientific Customer – so important to set expectations as early as possible
- Vessel Master
- Ship's Crew
- Technical Staff
  - Engineering
  - IT / Data management / instrumentation.
  - Logistics
- Legal
  - Flag / Class
- Underwriters
  - Hull& Machinery / P&I and scientific equipment.
- Fishing Industry / Public

Thank you, any questions?