Global Maritime Excellence

P&O Maritime owns, operates and manages a fleet of specialist vessels under long term customer contracts. Key areas of service provision include:

• Ownership and operation of the icebreaking research and resupply vessel Aurora Australis in support of the Australian Antarctic Division’s Antarctic program. Service provision includes:
  • Expeditionary and cargo transport to the Australian Government’s Antarctic bases and Sub-Antarctic territories
  • Marine research in the Southern Ocean and Antarctic waters
• Ownership and operation of the ice strengthened multipurpose support vessel L’Astrolabe for the French Government’s Institut Polaire Francais Paul Emile Victor Terres Australes at Antarctiques Francaises. The vessel provides resupply services to Dumont d’Urville and undertakes some marine research in Antarctic waters
• Management and operation of scientific research vessel Southern Surveyor for the Commonwealth Scientific and Industrial Research Organisation for oceanographic, geoscientific, fishery and ecosystem research

These services are provided from the business’ operation base in Hobart which is a major centre of marine research in the Australasian region.

Further information on P&O Maritime can be located at www.pomaritime.com.
Classification
Lloyds Register Ice Class 1A Super Icebreaker ★100A1 ★LMC
UMS DP(CM)

Propulsion
2 x medium speed diesels coupled through a reduction
gearbox and hydraulic clutches driving a single CPP. DP
capable through a LIPS control system

Thrusters
Single transverse bow and 2 retractable azimuth stern
thrusters
Main: 1 x Wartsila 12V32D 4500kW / 6000HP
1 x Wartsila 16V32D 5500kW / 7400HP
Auxiliaries: 2 x Wartsila 6R22 900kW
1 x Wartsila 4R22 600kW

Electrical Power
415/240V 50Hz. 32Amp and 100Amp 3 phase outlets on
deck. UPS-40Amps/30 min

Endurance
25,000 nautical miles / 90 days

Deck Space
Trawl Deck: 100m²  Helideck: 400m²
Main Hatch: 210m²

Gantry Crane Stern
4 tonne SWL Gantry

Main Deck
Three cranes of 25/31 (fitted with a 5 tonne hook for efficient
cargo operations in open seas), 7/13 and 2 tonne SWL for
cargo handling

Speed / Consumption
Max: 16 knots / 37 tonne per day
Economical: 11 knots / 18 tonne per day
Port: 2 tonne per day

Cargo
Hold 1790m³. Deck capacity for 18 TEUs 700 tonne cargo
with maximum bunkers. 1.10 Mega litres of cargo fuel with
a transfer rate of 40 k litres per hour. Two forklifts of 5 and 2
tonne SWL

Oceanographic
Two winches each holding 6000m of 6.4m single conductor
cable suitable for CTDs

Laboratory Space
8 laboratories. Dark room 7m². Meteorological room
15m². Conference room 46m². Scientific freezer -21C 60m³.
Container laboratories can be carried and integrated into
vessels systems

Helideck
Capable of operating, refuelling and housing 2 x Sikorsky
S76 or Bell Long Range helicopters. Aviation refuelling
system of 120 cubic metre capacity. NDB and DME fitted

Ancillary Craft
1 x 10m steel twin screw tender craft fitted with 2 x 125HP
diesel. Speed 10 knots

Environment
Oily water separator and incinerator for garbage and sludge.
Biological reduction sewerage system. Internal fuel system

Communications
Full GMDSS Area 4 installation with Fleet 77, Inmarsat C, data
access, DSC HF telex marine VHF, aircraft UHF. Passenger
cabins networked to cat 5 standard

Accommodation
Total 140 persons including: 24 x crew and 116 passengers in
one, two, three and four berth cabins. All cabins with private
facilities. Two bed hospital with full operating theatre

Communal Facilities
Cafeteria style restaurant including a quiet recreation space,
video/music systems, gymnasium and sauna; also a lecture/
video theatre. Two conference rooms

Biological Sampling
2 x Gilson winches. 2 x trawl winches (4000m x 22mm). Net
drum. 2 x Hiab cranes (SWL 5 tonne). Stern ramp. Towed
sonar winch

Acoustic Equipment
2 x Simrad EK500s working at 12,38,120 & 200khz. Hull
mounted transducers. Towed body transducers at 120 and
200 khz. Sonar echo sounder 12kHz for bathymetry data
logging. Hull mounted acoustic release transducer (8-20kHz
beam). Simrad FS3300 net surveillance sonar. RDI narrow
band (150kHz) ADCP
TYPE: Polar Research and Supply Vessel
LOA / BEAM / DRAFT: 94.91m / 20.3m / 7.9m
GRT: 6574 tonnes
DWT: 3893 tonnes
P&O Maritime is an experienced provider of maritime solutions facilitated through P&O Maritime’s ownership, operations and management of a fleet of specialised vessels for customers’ long term requirements.

P&O Maritime is supported by a wealth of maritime business expertise and an extensive maritime heritage found in the P&O Group. Having operated in the maritime industry since 1960s, P&O Maritime has developed into a diversified maritime solutions provider to both government and private industry.

P&O Maritime is well known for its specialised shipping services, including research vessels and logistics operations, working alongside scientists in the Antarctic for over 20 years. In addition to building, owning and operating the Aurora Australis for the AAD since 1990, P&O Maritime’s long-term contracts operating vessels for Institut Paul Emile Victor (IPEV) and CSIRO out of Hobart, provide an unmatched depth of knowledge of scientific and logistic operations in the Southern Ocean and Antarctic. P&O Maritime has extensive involvement in designing, building and commissioning new specialist vessels for its clients.

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  - Marine research in the Southern Ocean and Antarctic waters
  - Ownership and operation of the ice strengthened multi-purpose support vessel L’Astrolabe for the French Government’s Institut Polaire Français Paul Emile Victor and Terres Australes at Antarctiques Françaises. The vessel provides resupply services to Dumont d’Urville and undertakes some marine research in Antarctic waters
  - Management and operations of scientific research vessel Southern Surveyor for the Commonwealth Scientific and Industrial Research Organisation for oceanographic, geoscience, fishery and ecosystem research

These services are provided from the business’ operation base in Hobart which is a major centre of marine research in the Australasian region and are supported by P&O Maritime’s established resources and infrastructure ensuring the highest safety, quality and governance standards are adhered to across its Australasian operations.