

EQUIPMENT



The Dutch Maritime Pilots' Organization deploys pilot boats, fast launches, pilot tenders, SWATHs and a helicopter to bring pilots to ingoing ships and pick them up from outgoing ships 24 hours a day and 7 days a week. The size of the ship and the weather conditions usually dictate what kind of pilotage equipment we will use to bring pilots to their destinations. Our prime concern is that embarkations and disembarkations are always carried out safely and smoothly.

TENDERS

The tenders are very manoeuvrable. They are used for embarkation and disembarkation and for a safe and smooth transport of pilots.



| WATER JET-DRIVEN TENDER - AQUILA CLASS | |
|--|--|
| number | 3 |
| | Aquila, Draco and Orion |
| length | 22,9 m |
| beam | 6,8 m |
| draft | 1,2 m |
| displacement | 56 tons |
| material | aluminium |
| speed | 28,5 knots |
| power | 2 x 970 kW |
| engines | 2 x Caterpillar C32 Acert, 12 cilinder V-engine, 4-stroke, 2100 RPM |
| type of propulsion | 2 x Hamilton 651 water jet |
| nautical equipment | 2 x Visionmaster radar, 1 x Visionmaster ECDIS, 3 x VHF, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Fiber Optic compass, 1 x Magnetic compass, 1 x Autopilot, 1 x Epirb, 1 x SART |
| fendering | Polymarine |
| crew | 3 |
| seats for pilots | 12 |

| WATER JET-DRIVEN TENDER - DISCOVERY CLASS | |
|---|---|
| number | 9 |
| | Apollo, Columbia, Discovery, Endeavour, Enterprise, Explorer, Gemini, Mercury en Pioneer |
| length | 21,17 m |
| beam | 6,34 m |
| draft | 1,09 m |
| displacement | 37 ton |
| material | aluminium |
| speed | 28 knots |
| power | 2 x 720 kW |
| engines | 2 x Caterpillar 3412 E Ditta, 12 cilinder V-engine, 4-stroke, 2100 RPM |
| type of propulsion | 2 x Hamilton 571 water jet |
| nautical equipment | 1 x Visionmaster radar, 1 x Visionmaster Chartradar, 2 x VHF, 1 x DSC, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Gyro compass, 1 x Magnetic compass, 1 x Autopilot, 1 x Epirb, 1 x SART |
| fendering | Popsafe |
| crew | 3 |
| seats for pilots | 12 |



| WATER JET-DRIVEN TENDER - LYNX CLASS | |
|--------------------------------------|---|
| number | 3 |
| | Lynx, Lyra and Lacerta |
| length | 22,9 m |
| beam | 6,8 m |
| draft | 1,2 m |
| displacement | 56 tons |
| material | aluminium |
| speed | 28,5 knots |
| power | 2 x 970 kW |
| engines | 2 x Caterpillar C32 Acert, 12 cilinder V-engine, 4-stroke, 2100 RPM |
| type of propulsion | 2 x Hamilton 651 water jet |
| nautical equipment | 2 x Visionmaster radar, 1 x Visionmaster ECDIS, 3 x VHF, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Fiber Optic compass, 1 x DGPS compass 1 x Magnetic compass, 1 x Autopilot, 1 x Epirb, 1 x SART |
| fendering | Polymarine |
| crew | 3 |
| seats for pilots | 12 |

| PROPELLER-DRIVEN TENDER - HERCULES CLASS | |
|--|--|
| number | 2 |
| | Hercules en Hydra |
| length | 21,1 m |
| beam | 6,2 m |
| draft | 1,7 m |
| displacement | 68 tons |
| material | steel |
| speed | 20 knots |
| power | 2 x 970 kW |
| engines | 2 x Caterpillar C32 ACERT, 12 cilinder V-engine, 4-stroke, 2100 RPM |
| type of propulsion | 2 x fixed pitch popeller |
| nautical equipment | 1 x Visionmaster radar, 1 x Visionmaster Chartradar, 3 x VHF, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Gyro compass, 1 x DGPS compass, 1 x Magnetic compass, 1 x Autopilot, 1 x Epirb, 1 x SART |
| fendering | Polymarine |
| crew | 3 (2) |
| seats for pilots | 7 (8) |





| CONVENTIONAL TENDER | |
|---------------------|--|
| number | 2 |
| | Reiger and Wulp |
| length | 23,37 m |
| beam | 5,19 m |
| draft | 1,10 m |
| displacement | 42 tons |
| material | polyester |
| speed | 13 knots |
| power | 2 x 265 kW |
| engines | 2 x GM Detroit 12V71, 12 cilinder V-engine, 2-stroke, 2100 RPM |
| type of propulsion | 2 x fixed pitch propeller |
| nautical equipment | 1 x Bridgemaster radar, 2 x VHF, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Gyro compass, 1 x Magnetic compass, 1 x Epirb, 1 x SART |
| crew | 3 |
| seats for pilots | 12 |

SWATH (SMALL WATERPLANE AREA TWIN HULL)

Because of their stability in the water, SWATHs can be deployed under practically all weather conditions. Embarkation of pilots can be carried out up to wave heights of 3.5 metres.

SWATH (SMALL WATERPLANE AREA TWIN HULL)

| | |
|--------------------|---|
| number | 2 |
| | Cetus en Perseus |
| length | 25,65 m |
| beam | 14,25 m |
| draft | 2,70 m |
| displacement | 133 tons |
| material | aluminium |
| speed | 18 knots |
| power | 2 x 710 kW |
| engines | 2 x MTU 12V 2000M70, 12 cilinder V-engine, 4-stroke, 2100 RPM |
| type of propulsion | Diesel-electric, 2 x fixed pitch propeller |
| nautical equipment | 2 x Visionmaster radar, 1 x Visionmaster ECDIS, 3 x VHF, 1 x GMDSS VHF, 1 x RDF, 1 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 1 x Gyro compass, 1 x Magnetic compass, 1 x Autopilot, 1 x Epirb, 1 x SART, stabilizers, 1 x speed log |
| crew | 3 |
| seats for pilots | 12 |

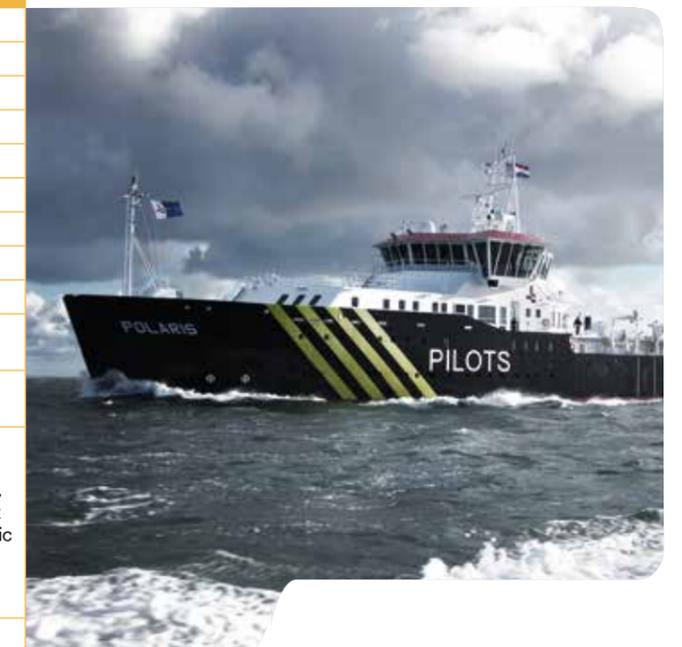


PILOT VESSELS

The pilot vessels are deployed at their pilot stations at sea. We use fast launches or pilot tenders to bring the registered pilots to ingoing ships. We also use these types of transport to disembark pilots from outgoing ships and to bring them to the pilot vessel or to bring them ashore.

PILOT VESSELS (P-KLASSE)

| | |
|--------------------|--|
| number | 3 |
| | Polaris, Pollux en Procyon |
| length | 81,2 m |
| beam | 13,3 m |
| draft | 4,8 m |
| displacement | 2561 tons |
| material | steel |
| speed | 16 knots |
| power | 5100 kW |
| engines | 4 x Caterpillar C32 Acert, 2 x Caterpillar C18 |
| type of propulsion | Diesel electric, 2 x pitch propeller, 2 x bow thruster |
| nautical equipment | 2 x Visionmaster radar with 2 slaves, 2 x Transas ECDIS with 2 slaves, 5 x VHF, 2 x GMDSS VHF, 1 x MF, 1 x RDF, 2 x GPS, 1 x AIS, 1 x Echo sounder, 1 x Navtex, 2 x Gyro compass, 1 x Magnetic compass, 3 x Auto pilot, 1 x VDR, 1 x speed log, 1 x GPS log, 1 x Epirb, 2 x SART |
| crew | 17 |



FAST LAUNCH

Fast launches are carried on both sides of the pilot vessels. They are lowered into the sea by means of davits - which are special types of cranes.

FAST LAUNCH (P-KLASSE)

| | |
|--------------------|--|
| number | 8 |
| length | 8,2 m |
| beam | 3 m |
| draft | 0,6 m |
| displacement | 4,3 tons |
| material | aluminium |
| speed | 28 knots |
| power | 240 kW |
| engines | 1 x Yanmar 6L Y2-ST, 6 cilinder water-cooled diesel engine, 3000 RPM |
| type of propulsion | 1 x Hamilton HJ292 water jet |
| nautical equipment | 1 x VHF, 1 x active radar transponder, 1x Magnetic compass 1 x SART |
| trellborg | Popsure |
| crew | 2 |
| seats for pilots | 4 |



HELICOPTER

In situations of adverse weather as well as when ships need to embark their pilots earlier than normal - because of deep draft - we use the helicopter to bring the registered pilots to their ships. In some situations, the helicopter will land on deck; if that is not possible, the pilot will be hoisted from the helicopter.

| HELICOPTER | |
|------------------|---|
| number | 1 |
| weight | 4300 kg |
| speed | 275 km/u |
| power | 729 kW / 977 shp |
| engines | 2 Turbomeca Arriel 2C maximum take-off power (per engine) |
| crew | 3 |
| seats for pilots | 6 |



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