

HMNZS AOTEAROA: latest New Zealand Navy polar-class logistics support vessel signed off at Hyundai Heavy

A new state-of-the-art 26k tonne Maritime Sustainment and Capability vessel for the Royal New Zealand Navy has successfully completed its series of 7 Contractual Sea Trials and was delivered on 8 June 2020. SeaQuest Marine Project Management oversaw the entire 28-month construction which was undertaken by Hyundai Heavy Industries, Ulsan, South Korea.

The HMNZS AOTEAROA departed from South Korea on 10 June 2020. The tanker and replenishment ship will be largest the Royal New Zealand Navy has ever operated.

The primary role of AOTEAROA will be to provide global sustainment to New Zealand and coalition maritime, air and land forces with fuel, ammunition and other equipment supplies.

SeaQuest was entrusted with the prestigious job in April 2017.

Work started with a 3D design review and plan approval in close cooperation with the New Zealand Navy, followed by construction supervision. The SeaQuest plan approval and site teams included specialist supervisors for hull & structure, machinery & outfitting, electrical & automation, ICS & IPMS, paint & coatings. SeaQuest's ISO 9001:2015 certified Quality Assurance system ensured a smooth process throughout the project.

The vessel has been built to the highest level of Lloyds Register of Shipping standards, in addition to complying with NATO & Naval Rules.

SeaQuest CEO Jan Andersson was delighted with the finished vessel: "*We feel extremely privileged to have successfully completed this project for the NZ Navy,*" he said.

"SeaQuest were tasked with the design review, plan approval and construction supervision of this challenging and advanced MSC Polar Class 6 vessel.

Once again we have proven that our experience in supervision and familiarity with Far Eastern builders can aid a newbuilding project like no one else.

This is the third time we have looked after a naval support ship, first from Royal Fleet Auxiliary UK, second from NDLO Norway and now from NZ Crown.

SeaQuest are fully equipped to serve any naval project to the best of our abilities again in future."

AOTEAROA is winterised and ice strengthened to increase New Zealand's ability to replenish and resupply their - and other countries'- Antarctic programmes.

It has two identical replenishment at sea stations and is able to liquid transfer to two vessels simultaneously.

The ship is powered by a Combined Diesel Electric and Diesel (CODLAD) propulsion system developed by Rolls Royce.

AOTEAROA can generate 250 tonnes of fresh water per day and has an aviation capability which allows it to operate all New Zealand Defence Force helicopters.

In addition, AOTEAROA has sick-bay treatment facilities with a medical ward and ensuite gymnasium, Wi-Fi connectivity in recreation spaces, library and training facilities and cabins with integrated ensuites.

Released on 11 June 2020

Notes to editors

Aotearoa is the Maori name for New Zealand. The literal translation of Aotearoa is "land of the long white cloud".

HMNZS AOTEAROA specifications

IMO 9816220

Class	Auxiliary Oiler Replenishment (AOR)
Shipbuilder	Hyundai Heavy Industries, Ulsan, South Korea
Length	173.2 metres
Beam	24.5 metres
Draught	8.4 metres
Displacement (full)	26,000 tonnes
Propulsion System	Combined Diesel Electric and Diesel (CODLAD) provided by 2 x diesels supplemented by 2 x electric power take in motors, 2 x flap rudders and 2 x controllable pitch propellers
Power generation	4 x 2.6MW, 1 x 410KW emergency generator
Range	6,750 nautical miles
Design speed	16 knots
Total liquid cargo capacity	9,500 tonnes
Dry goods cargo capacity	22 x twenty foot equivalent units
Core Crew	64
Bunks	100

100A1, NSA, Replenishment Ship, PC6, SA1, AIR, LI, *IWS, ESP, ACS(B,V), TA(NS), SDA, FDA Ice, CM, SERS, LA, LE, MD(SP), RAS(BV)NT, LNMA, CEPAC(2), LMC, PSMR*, UMS, SCM, IBS, MPMS, ENV(IHM,GW,OW,RS,P), ESA1, IGS, LA(NS), WINTERISATION C(-25)

SeaQuest Marine Project Management Ltd provides shipowners and maritime industry stakeholders with project management, supervision and professional consultancy services for their new building and conversion projects worldwide.

SeaQuest was founded in 2003, is registered in Hong Kong, has a branch office in Geneva and technical office in Shanghai and is one of the first companies having set up a proprietary, ISO 9001 certified, Quality Management System specifically developed for plan approval and construction supervision.

Since inception, SeaQuest has been awarded more than 110 projects for 63 clients for contractual negotiations, plan approval and construction supervision of 333 vessels. The company is currently involved in 13 new building projects for 26 vessels and 276 vessels have already been delivered, equating to a consolidated value exceeding USD 18 billion.

www.sqmarine.com



HMNZS AOTEAROA sails away from Hyundai Heavy Industries shipyard



HMNZS AOTEAROA sails away from Hyundai Heavy Industries shipyard



HMNZS AOTEAROA sail-off ceremony



SeaQuest CEO & MD Jan Andersson at HMNZS AOTEAROA sail-off ceremony