



R/V NEW OCEAN RESEARCHER 3

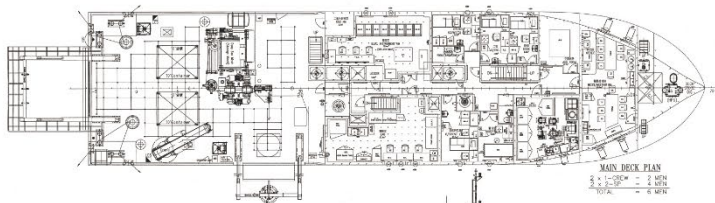
Commissioned by the Ministry of Science and Technology (MOST) of Taiwan, the new research vessel R/V New Ocean Researcher 3 was built by the CSBC Corporation, Taiwan. In November 2019, the shipbuilder delivered the vessel to the MOST. The National Sun Yat-sen University was subsequently designated by the MOST to operate and manage the vessel. The R/V New Ocean Researcher 3 is a multifunctional and electrical power-propelled vessel equipped with advanced single- and multi-beam echo sounders, acoustic Doppler current profiler, sub-bottom profiler, synchronization unit for sonar systems, and hydrographic and seawater sampling systems. The R/V New Ocean Researcher 3 replaced the R/V Ocean Researcher III and continues the nation's missions of fundamental research in ocean sciences and sustainable development of the ocean with the ultimate goal of sailing to the blue sea and connecting to the world's oceanographic communities.



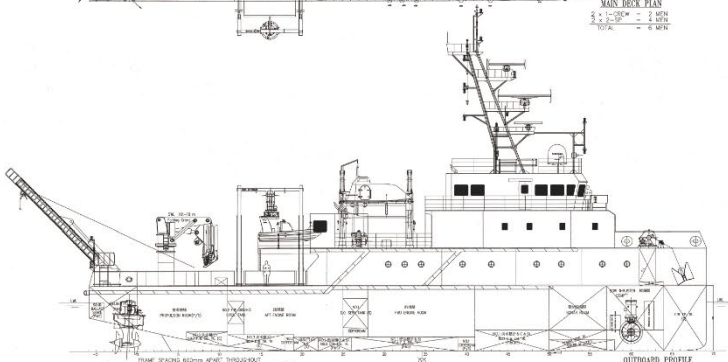
Ship clip



R/V Affairs Committee



MAIN DECK PLAN
3' 1" = 1' 0" 2' 0" = 1' 0" 4' 0" = 1' 0" 6' 0" = 1' 0"



OUTBOARD PROFILE



Classification	CR & ABS (Official ship)
Vessel type	Research vessel (Cargo ship certificate)
Shipbuilder	CSBC Corp., Taiwan
Management code	ISM Code
Gross tonnage	811 tons
Length (L.O.A.)	45.00 m
Breadth	11.20 m
Draft	3.50 m
Main propulsion	800 kW x 2
Bow thruster	400 kW
Dynamic positioning	K-POS DP-11 IMO class 1
Main generator	560 kW x 4
Ship speed	Transit: 12 kts, Max.: 14 kts
Range	> 3000 nm
Accommodation	Crew: 13, Scientists: 12
Acoustic Doppler current profiler	Teledyne RDI OS 75 KHz
Underwater navigation system (USBL)	Kongsberg HiPAP 502
Multi-beam echo sounder	Kongsberg EM712, 1° x 1°
Single-beam echo sounder	Kongsberg EA640, 12/38/200 kHz
Sub-bottom profiler	Edgetech 3300 (5x5 Hull Mount)
Acoustic synchronize unit	Kongsberg K-SYNC
Motion sensors	Kongsberg Seapath 380/MRU-5, GPS/GLONASS
CTD winch and A-frame	Cable length: 6000 m
Deep sea winch	Cable length: 6000 m
Portable winch	Optical cable length: 4500 m
Multifunction crane	1 set



Launched in 1993 and operated/managed by the National Sun Yat-sen University, the R/V Ocean Researcher III has supported researchers to carry out multidisciplinary campaigns for 26 years. The shipborne surveys covered Taiwan's surrounding waters, particularly in the sea south of Taiwan and the South China Sea, advancing Taiwan's ocean sciences and observational technologies, and broadening our knowledge of regional oceanography. The numerous field experiments also helped cultivate next-generation scientists