



新海研3號 研究船

R/V NEW OCEAN RESEARCHER 3

「新海研3號」由科技部委託台灣國際造船公司設計建造，歷時1年有餘，2019年11月交船，移撥國立中山大學管理營運。「新海研3號」採電力推進，擁有精準的定位測深、水文偵測與海水採樣等系統，並有海流剖面、海床地貌與底質結構等先進的同步聲納探測設備，是一艘國際級的多功能海洋研究船。「新海研3號」將取代「海研三號」，承接我國海洋科學基礎研究與海洋國土永續發展的使命，航向藍海，立足國際。

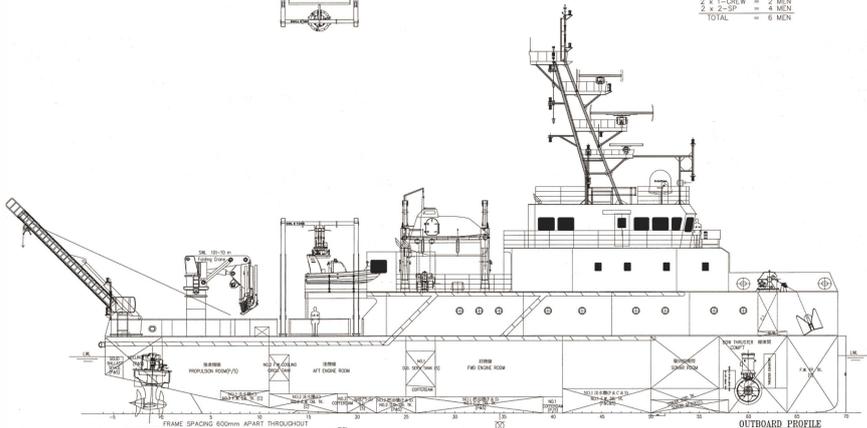
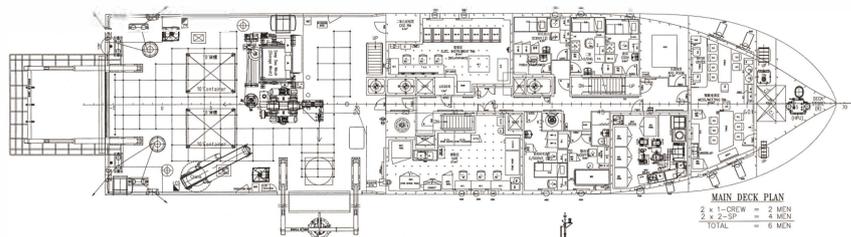


航行短片



研究船管理委員會

MOST



船級	CR & ABS (公務船)
船型	研究船 (貨船證書)
建造船廠	CSBC台船 (基隆廠)
管理章程	ISM Code
總噸位 (GT)	811噸
船長 (L.O.A.)	45.00 m
船寬	11.20 m
吃水深	3.50 m
主推進器馬力	800 kW x 2
艙側推器	400 kW
動態定位系統	K-POS DP-11 IMO class 1
主發電機	560 kW x 4
船速	巡航12節, 最高14節
續航力	至少3000海浬
乘員	船員13人, 研究人員12人
船載式都卜勒流剖儀 (ADCP)	Teledyne RDI OS 75 KHz
超短基線水下定位系統 (USBL)	Kongsberg HiPAP 502
多音束聲納測深系統	Kongsberg EM712, 1° x 1°
單音束深海測深儀	Kongsberg EA640, 12/38/200 kHz
底質剖面儀	Edgetech 3300 (5x5 Hull Mount)
聲納運作同步器	Kongsberg K-SYNC
科學用船體運動感測器	Kongsberg Seapath 380/MRU-5, GPS/GLONASS
CTD絞機及A架	鋼纜長6000 m
深海絞機	鋼纜長6000 m
可攜式絞機	光纖鋼纜長4500 m
多功能起重機	一具



海研三號自1993年由國立中山大學管理營運至今已26年，航跡遍布臺灣四周海域，特別是臺灣南部及南海海域，為臺灣海洋科學國際人才的培育，以及海洋科學研究與海洋國土探勘奠定了堅厚的基石。



R/V NEW OCEAN RESEARCHER 3

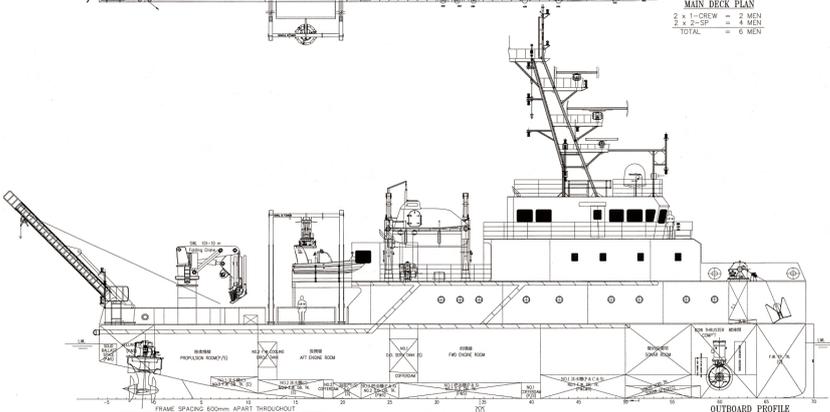
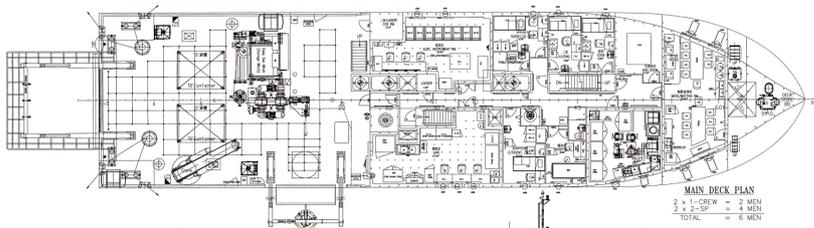
Commissioned by the Ministry of Science and Technology (MOST) of Taiwan, the new research vessel R/V New Ocean Researcher 3 was built by the CSBC Corporation, Taiwan. In November 2019, the shipbuilder delivered the vessel to the MOST. The National Sun Yat-sen University was subsequently designated by 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



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