



SMV 24

Specialist Multi-purpose Vessel



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The Specialist Multi-purpose Vessel 24 (SMV 24) has been designed to provide a flexible, multi-role, high performance yet cost-effective solution for conducting operations in support of the offshore and other maritime engineering sectors.

PRINCIPLE DIMENSIONS

Length overall	25.7 m
Load Line Length	23.395 m
Beam	8 m
Maximum draft	1.5 m
Maximum speed	30 kts

CONSTRUCTION

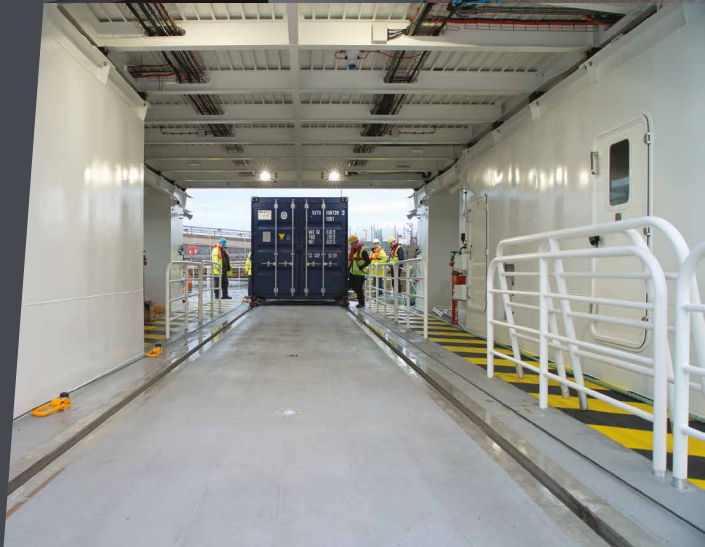
Marine grade aluminium with double bottom for damage survivability (bottom raking damage).

CLASSIFICATIONS

CLASS	DNV ✕1A1 HSLC R1 Wind Farm Service 1
FLAG	UK MCA SCV Code (MGN 280) Category 1 Also meets individual flag requirements for Sweden, Norway, Denmark, Netherlands and Germany.

CAPACITY

FUEL	4 x 3,000 litre tanks Total capacity 12,000 litres
RANGE	Technicians Only - 790 NM Fully Loaded - 675 NM Range figures are based on engines running at 80% MCR, 2 Gen sets running at 50% and with a fuel reserve of 10%.
FRESHWATER	520 ltr fresh water tank, water maker capacity 110 ltr/hr
BLACK WATER	512 ltr black water tank combined with onboard sewage treatment plant. Treatment plant compliant with MARPOL 73/78 Annex IV Regulations.
DECK CARGO	30,000 kg






WINDFARM SUPPORT


DIVING


SURVEY


FUEL TRANSPORT


REFRIGERATION


GENERAL CARGO


ISO COMPATIBLE
MODULAR
CUSTOM LOADS


WORKSHOP MODULE


ROV SUPPORT


PASSENGER TRANSPORT

PROPULSION AND PERFORMANCE

MAIN ENGINES	2 x MAN V12 D2862 LE463 (Medium Duty Rating) EIAPP Tier II Certification
POWER	1400HP (1,029 kW) @ 2100RPM
GEARBOX	2 x Servogear HD295H Ratio 3.3:1
PROPULSION	2 x Servogear EcoFlow Propulsor Controllable Pitch Propellers, 4 Blades, 1225 mm diameter
SPEED	30 kts (90% MCR full pax no cargo in calm water) 25 kts (90% MCR fully loaded in calm water)
GENERATORS	2 x Beta Marine 35kW 3 phase 400 volt gensets

Alternative propulsion and performance solutions can be accommodated to meet specified customer requirements.

ADDITIONAL VESSEL SPECIFICATION

BRIDGE	Furuno navigation & communication suite with ARPA enabled Radar & ECDIS. Remote Vessel Control Stations.
SALOON	Fully equipped galley area with three fold down crew seats. 12 reclining suspension seats with 4-point harnesses and laptop tables. 2 x TVs with complete entertainment system (satellite internet and TV). Full air conditioning system.
OTHER FEATURES	<ul style="list-style-type: none">• Customised bow docking fender system.• Anti vibration mounts to isolate saloon from machinery noise and vibration.• Dedicated secure storage and changing room for technicians and PPE.• Safe operation in Significant Wave Heights of up to 3m.

For further information on the SMV 24
please contact us on: +44 (0) 1404 891777
or visit: scinnovation-global.com



SC Innovation is renowned for taking exciting concepts and developing them into exceptional products. Examples of this are the Specialist Multi-purpose Vessel (SMV 24) and the RNLI Shannon Launch and Recovery System (L&RS).

SC Innovation's Specialist Multi-purpose Vessel 24 (SMV 24) has been produced in conjunction with our design and build partners and takes a new approach to the support of offshore facilities and operations. In particular, it is compliant with both DNV *1A1 HSLC R1 Windfarm Service 1 and UK MCA SCV Code Category 1. Using a collaborative approach with key partners, we have delivered a highly capable vessel, built to exacting standards and offering a truly revolutionary deck system that gives optimum flexibility of roles. SC Innovation's patented SMV 24 concept can provide a major contribution to the total logistic support of offshore facilities worldwide.

Located in the South West of England, in the UK's first Marine Energy Park, SC Innovation is ideally placed to engage with collaborators in renewable energy projects with its dedicated team of design engineers and extensive production facilities. SC Innovation is already engaged in renewable energy projects and is continually extending its capabilities to provide a long term commitment to the support of offshore energy development.

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SPECIALIST VEHICLES



MARINE



RENEWABLE ENERGY



NUCLEAR SECTOR

KEY PARTNERS

DESIGN

Incat Crowther is a diversified marine design business with offices in Australia, USA and the UK.



Achieving optimum results in today's demanding marine environment requires a partnership with a naval architecture firm which adds maximum value to the businesses it serves.

Incat Crowther is a medium size naval architecture firm offering a diverse range of solutions for demanding applications, with an emphasis on efficiency, reliability, safety and practicality.

Incat Crowther's success is founded on the model of 'Robust Ideas'. The company has a proud history of developing forward thinking concepts on a robust foundation, allowing the company to evolve and offer innovative solutions with best practice engineering, design and client service, consistently delivering optimum results over the long term.

DNV

DNV is one of the world's leading classification societies, developing rules and standards for ships for more than 140 years. DNV assists its customers within the maritime industry to manage their risks in all phases of a ship's life, through ship classification, fuel testing and a range of technical business risk, environmental and competency-related services.

It is this worldwide recognised status as a classification leader that resulted in SC Innovation selecting DNV Classification and the DNV Class notation *1A1 HSLC R1 Wind Farm Service 1 for the design and build of the SMV 24.



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SC Innovation is part of  SC Group