

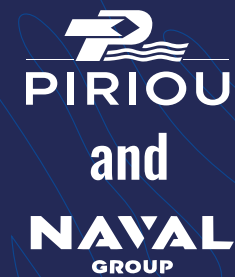
ENGAGED IN THE DEFENCE OF MARITIME SOVEREIGNTY

NAVAL SHIPBUILDING





a joint venture
combining the
expertise of



KERSHIP IN FIGURES

2013

year founded

+20

vessels
delivered

+55k

m² of workshop
space

+21

locations



BUILDING THE FUTURE OF NAVAL SHIPBUILDING

Based in Concarneau (Finistère), **Kership** is a French joint venture established in 2013 by **Piriou** and **Naval group**, two leading players in the shipbuilding industry.

Drawing on the complementary expertise of its two shareholders, Kership specialises in vessels under 100 metres designed for Law Enforcement at Sea operations, maritime territorial defence, and military operations, ranging from the coastal zone to the high seas, in sovereign waters and in overseas areas of operations.

Kership manages the entire lifecycle of vessels, from design and construction through to crew training and maintenance to ensure operational readiness. This capability is underpinned by expert teams, a network of partners and a presence both in France and internationally.

DESIGN

OUR EXPERTISE AND RESPONSIVENESS AT YOUR SERVICE

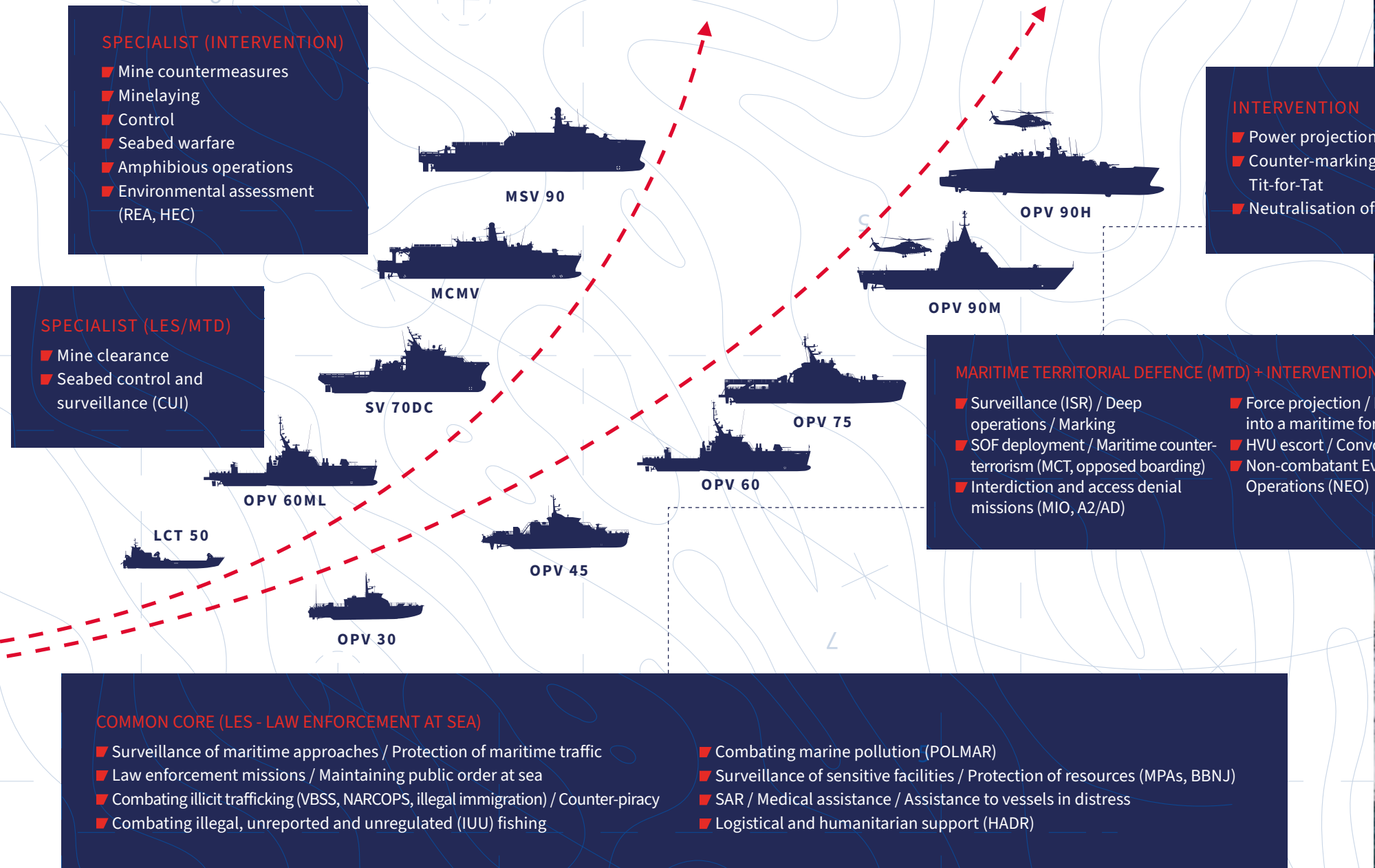
Serving national navies and government agencies operating at sea, **Kership** meets all your needs with its range of vessels designed to tackle strategic maritime challenges.

Responsive to your requirements and keeping a close eye on technical developments and innovations in on-board equipment, Kership incorporates tried-and-tested solutions:

- **Combat-proven combat management systems, sensors and effectors.**
- **360° vision bridge** providing comprehensive, real-time situational awareness, ideal for surveillance missions.

- **Optimised launch and recovery systems** for RHIBs, tender boats and surface drones.
- **Facilities dedicated to aerial vehicles:** drones and helicopters.
- **Innovative hull designs** combining enhanced seakeeping with a significant reduction in energy consumption.
- **Versatile, reconfigurable working decks**, designed to adapt to a wide range of missions at short notice.
- **Controlled through-life costs**, thanks to an integrated approach that takes overall optimisation and maintenance into account right from the design stage.

SHIPS DESIGNED FOR OPERATIONAL EFFICIENCY



PRODUCT RANGE

MEETING THE NEEDS OF NAVIES AND GOVERNMENT AGENCIES

The sea, a place of freedom, requires particular vigilance. Against the backdrop of globalisation, maritime spaces are increasingly coveted. Illicit trafficking and illegal immigration by sea are on the rise. Access to resources and competition for control of the seabed have a significant impact on maritime trade and freedom of navigation.

The sea is becoming an arena of political, diplomatic, economic and environmental interests, in which states must assert their sovereignty.

Kership addresses these major challenges with its range of robust, seaworthy and comfortable vessels, built to stay at sea for long periods:

- All vessels carry out a 'common core' of missions specific to naval forces and government agencies (customs, coastguard, etc.), are capable of operating on the high seas and can deploy autonomously to a theatre of operations.
- Patrol vessels, from coastal to ocean-going, with capabilities in the various warfare areas (ASuW, AAW, ASW, ASyW, EW) that increase with size, thanks to the number and performance of their sensors and effectors.

- Multi-mission vessels, designed for support missions (assistance, towing, deployment of equipment/drones, logistics).
- Specialised vessels dedicated to a particular warfare area (mine warfare, seabed warfare, amphibious operations) or a specific capability (hydro-oceanography, polar navigation, training).
- The largest ships are capable of operating in overseas theatres, in permissive to semi-permissive environments, in response to low- to medium-intensity crises.

As a systems integrator,, **Kership** incorporates state-of-the-art combat systems tailored to your missions (ships and shore-based centres):

- Sensors (2D and 3D surveillance radar, IFF, optronics, R-ESM and C-ESM, sonars, drones).
- Weapons (guns, missiles, torpedoes, drones).
- Combat-proven Combat Management System (POLARIS®, STEERIS®).
- Tactical Data Link.
- Solutions to cyber threats.



OFFSHORE PATROL VESSELS

SERVING NAVIES AND GOVERNMENT AGENCIES

From inland waters to the high seas, Kership's offshore patrol vessels meet the needs of coastal states and maritime nations thanks to their operational strengths.

- Efficient
- Robust
- Armed
- Versatile
- High-endurance
- On-demand polar capabilities



OPERATIONAL CAPABILITIES

SENSORS AND EFFECTORS

- Guns: calibres from 12.7 mm to 76 mm
- Anti-surface missiles (SSM)
- Anti-air missiles (SHORAD)
- Muti-Purpose & Modular Launching System (rockets, SAMs, SSMS, grenades, decoys)
- Lightweight torpedoes
- C-ESM / R-ESM / DLS decoy launcher
- 2D / 2D+ / 3D radar systems
- IFF
- Sonars
- EOS / IR cameras
- C-UAV systems

COMBAT MANAGEMENT SYSTEM

- POLARIS® and SETIS® (combat-proven)
- Generation of a common tactical picture
- C2 and C4I data fusion
- Use of internal and external sensors
- Optimised command support for joint and allied cooperation

COLLABORATIVE SURVEILLANCE & INTEROPERABILITY

- Integration of Tactical Data Links (TDL) L11, L16, JRE, L22, NiDL®
- Sharing the tactical picture within an air and naval force, and with command centres ashore
- STEERIS® multi-drone mission system interfaced with the CMS

DEPLOYMENT OF OFFBOARD ASSETS

- Surface: RHIBs, USVs
- Air: Helicopters, UAVs
- Subsurface: AUVs, gliders
- Special forces
- Divers

MODULARITY

- Reconfiguration according to the mission
- Loading of mission containers
- Expansion of operational capabilities

ENDURANCE & ROBUSTNESS

- Equipment tried and tested in a maritime environment



OPV 30

≈ 1000 Nm ≈ 5 DAYS - 17 PEOPLE



OPV 45

≈ 3500 Nm (Diesel) ≈ 6400 Nm (Electric)
≈ 12 DAYS - 21 PEOPLE



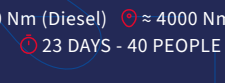
OPV 60

≈ 4500 Nm (Diesel) ≈ 6500 Nm (Electric)
≈ 25 DAYS - 40 PEOPLE



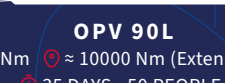
OPV 75

≈ 3000 Nm (Diesel) ≈ 4000 Nm (Electric)
≈ 23 DAYS - 40 PEOPLE



OPV 90L

≈ 6500 Nm ≈ 10000 Nm (Extended Range)
≈ 35 DAYS - 50 PEOPLE



OPV 90M

≈ 7000 Nm ≈ 20 DAYS - 59 PEOPLE



OPV 90H

≈ 4000 Nm ≈ 30 DAYS - 72 PEOPLE

**MSV 65**

≈ 5000 Nm ≈ 30 DAYS - 40 PEOPLE

**MSV 70**

≈ 5000 Nm ≈ 30 DAYS - 30 PEOPLE

**MSV 80**

≈ 10000 Nm ≈ 45 DAYS - 60 PEOPLE

**MSV 90**

≈ 4500 Nm ≈ 35 DAYS - 204 PEOPLE

OPERATIONAL CAPABILITIES

SPECIFIC CAPABILITIES

- ▀ Modular aft deck adaptable to the mission
- ▀ Towing
- ▀ Support for firefighting
- ▀ Anti-pollution operations
- ▀ Support for submarines (assistance, escort, logistical support)
- ▀ Support for scientific missions
- ▀ Troop transport and amphibious manoeuvres
- ▀ Medical support

COMBAT MANAGEMENT SYSTEM

- ▀ POLARIS® (combat-proven) as an option
- ▀ Support for command and the conduct of operations
- ▀ STEERIS® as an option

DEPLOYMENT OF OFFBOARD ASSETS

- ▀ Surface: RHIBs, USVs, landing craft, workboats
- ▀ Air: Helicopters, UAVs
- ▀ Subsurface: ROVs, AUVs, gliders
- ▀ Special forces
- ▀ Divers

ENDURANCE & LIFE ON BOARD

- ▀ Robust design
- ▀ Comfortable accommodation
- ▀ Dedicated spaces for the crew and additional personnel



MULTI-MISSION VESSELS

A RANGE OF MISSIONS,
COMPLEMENTARY TO THOSE
OF THE PATROL VESSELS

- ▀ Support
- ▀ Resupply
- ▀ Assistance
- ▀ Rescue
- ▀ Towing
- ▀ Logistics
- ▀ Force projection
- ▀ Amphibious operations

SPECIALISED VESSELS

FOR SPECIFIC OPERATIONAL REQUIREMENTS

- Logistic transport
- Landing & Beaching (amphibious manoeuvres)
- Polar base resupply
- Hydrography and oceanography
- Mine warfare
- Establishment of the REP (Recognized Environmental Picture)
- UxV drone carrier
- Training



OPERATIONAL CAPABILITIES

SPECIALISED CAPABILITIES

- Configurations tailored to the vessel's specialisation
- Transport and disembarkation of troops and vehicles
- Practical training for cadets at sea (navigation, manoeuvring, operating the platform)
- Coastal and offshore hydrographic surveys, both civilian and military
- Mine warfare / Seabed warfare
- Resupply of outposts in isolated areas

SENSORS AND EFFECTORS

- Configuration tailored to the vessel's specific characteristics
- Equipment sized according to the mission

COMBAT MANAGEMENT SYSTEM

- POLARIS® (combat-proven) as an option
- STEERIS® as an option (standard on the SV 70 DC)
- Support for command and the conduct of operations

DEPLOYMENT OF OFFBOARD ASSETS

- Surface: RHIBs, USVs, workboats
- Air: Helicopters, UAVs
- Subsurface: ROVs, AUVs, gliders
- Special forces
- Divers

ENDURANCE & ROBUSTNESS

- Equipment tried and tested in a maritime environment
- Designed for long-duration operations



LCT 50

≈ 1500 Nm 7 DAYS - 22 PEOPLE



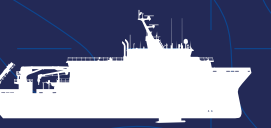
MTS 44

≈ 3600 Nm 7 DAYS - 25 PEOPLE



SV 70 DC

≈ 5000 Nm 30 DAYS - 30 PEOPLE



HOSV 72

≈ 5000 Nm 30 DAYS - 50 PEOPLE



PLV 72

≈ 10000 Nm 35 DAYS - 60 PEOPLE



MCMV

≈ 3500 Nm 25 DAYS - 50 PEOPLE

COMBAT MANAGEMENT SYSTEMS

POLARIS®

The combat management system, designed and developed by Naval Group, is fitted to all vessels in the KERSHIP range.

POLARIS® operates on multifunction consoles (MFC – MultiFunction Console) to provide command and control (C2 – Command & Control) capabilities to the command team and the operator responsible for conducting naval operations. These features include:

- real-time monitoring and awareness of the tactical situation, through the compilation and analysis of data from the connected sensors managed and controlled by the Combat Management System;
- the management of the Tactical Data Link; the pre-designation of targets for all weapon systems on board the ships;
- the streaming and recording of video feeds from the sensors.

STEERIS® MISSION SYSTEM

The multi-drone mission system, designed and developed by Naval Group, can be fitted to our ships that carry drone systems on board.

STEERIS® Mission System manages the end-to-end mission of any drone or autonomous system integrated into a naval force. It is interfaced with the ship's Combat Management System as part of naval collaborative combat. Its interface is user-friendly and requires only one operator for mission planning, monitoring and debriefing. These features include:

- Standalone deployment or fully integrated multi-platform deployment
- Ability to plan and manage missions involving several drones simultaneously
- Multi-mission: ISR-T, ASW, ASuW, MCM, A2/AD, Protection...
- Multi-environment: UAV, USV and UUV management
- Multi-drone: management of several drones, including swarms
- Multi-function: mission planning, threat assessment and analysis, data collection and analysis, drone deployment and recovery...
- Compatible with all types of drones: remotely piloted or autonomous systems, standardised interfaces compliant with STANAGs

TAILOR-MADE SERVICES

OUR EXPERTISE AT YOUR SERVICE

As an expert in naval technologies, **Kership** supports its clients wherever they are in the world, 365 days a year, 24 hours a day, to ensure optimum availability of their vessels. Already present on the European, African and South American Atlantic seabords, as well as in the South Pacific, Kership's assistance teams and its international partners deploy rapidly anywhere in the world.

Kership supports you wherever your vessels are, throughout their entire life cycle, by offering a wide range of services such as:

- Formation (conduite et maintenance) au profit des équipages et des personnels de soutien des bases navales
- Training (operation and maintenance) for crews and support staff at naval bases
- Integrated Logistic Support (ILS)
- In-Service Support (ISS)
- Specific maintenance and repair services
- Maintenance and modernisation of your vessels



REPAIR



MAINTENANCE



ENGINEERING



SPARE PARTS



DOCUMENTATION AND TRAINING



CONSTRUCTION



TRANSFER OF TECHNOLOGY

TRANSFER OF TECHNOLOGY

Drawing on the experience of its parent companies, **Naval Group** and **Piriou**, **Kership** offers technology transfer packages and specific support tailored to your needs:

- Supply of technical drawings and documentation ('Technical Data Package')
- Supply and delivery of the 'Material Package'
- Theoretical and practical training ('Training' and 'On The Job Training')
- Technical Support
- Warranty Management





ZI DU MOROS BP 521
29185 CONCARNEAU
CEDEX France

Tél +33 (0)2 98 60 63 13

5 kership.com



PERFORMANCE

OPERATIONAL
EXCELLENCE

INNOVATION