

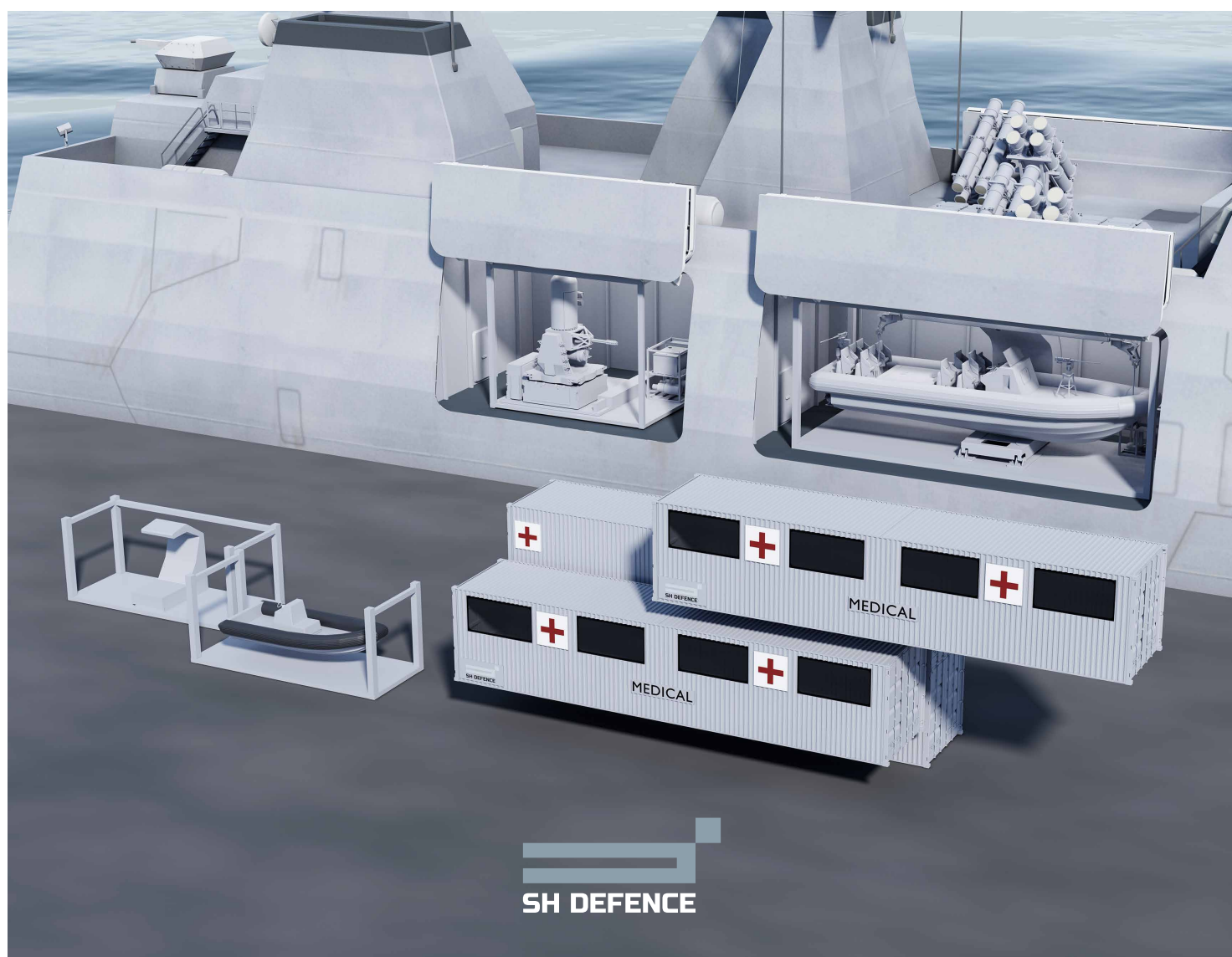
TM

The CubeTM

Multipurpose module
for navy vessels

**Warship today.
Minesweeper tomorrow.
Humanitarian aid vessel next week.**

SH Defence introduces **The CubeTM**





[Video The Cube™](#)

The Cube™

Multipurpose module for navy vessels

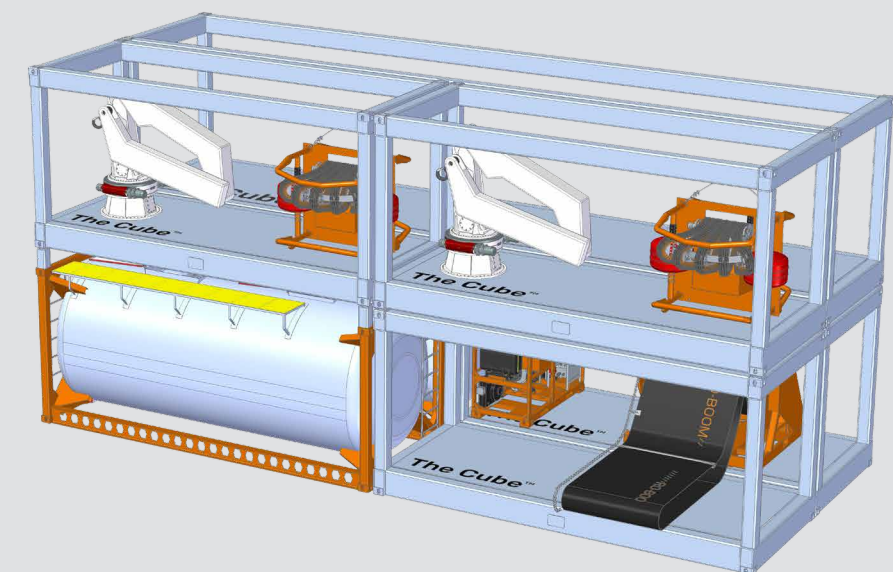
Modern naval vessels must be capable of carrying out different missions and roles in both peacetime and wartime. This calls for solutions that enables them to quickly adapt to any new mission without a costly rebuild.

The Cube™ is a flexible and cost-saving modular equipment solution, that enables a vessel to act as warship on one mission, minesweeper on another – and humanitarian aid vessel (or any other role) on a third. Once the vessel is prepared for The Cube™, the possibilities are endless.

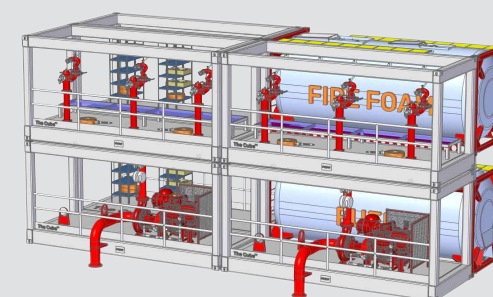
“Traditionally naval vessels are built to serve one single purpose. But a fleet consisting of fixed-purpose vessels is both inflexible and extremely costly to operate and maintain in today’s world. We are changing that course by making it fast and easy to exchange equipment of any vessel and thereby making it multi-functional. Vessels prepared for The Cube can carry out any mission”, explains René Bertelsen, Director of SH Defence.

The Cube consists of 120+ standard modules that fulfill common demands.

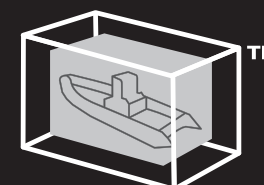
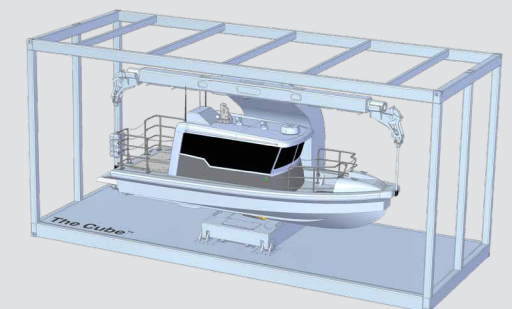
FLOATING BARRIER SYSTEM



FIREFIGHTING SYSTEM

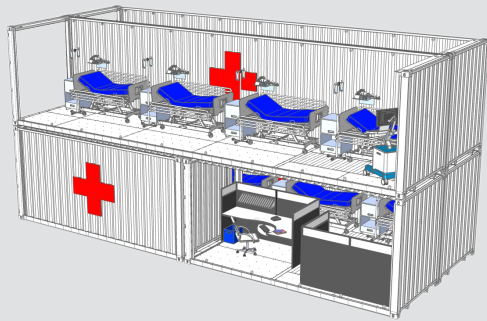


WORKBOAT FIREFIGHTING

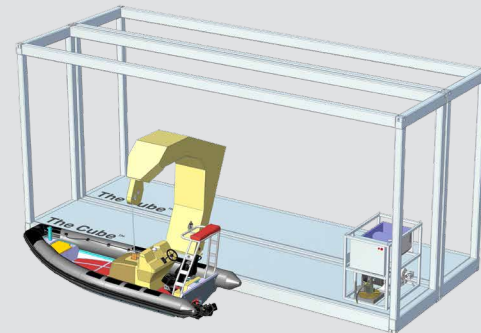


The Cube™
Multipurpose module for navy vessels

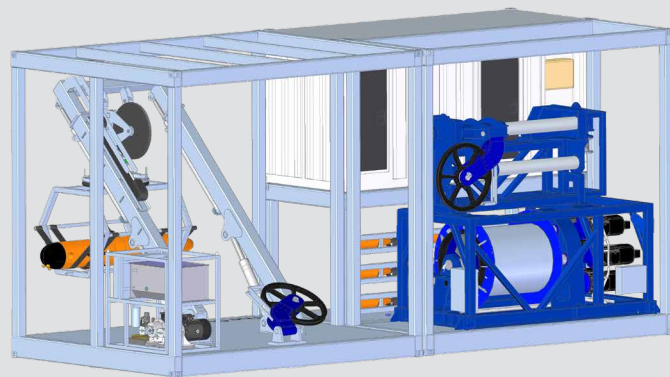
PRE-HOSPITAL MODULE



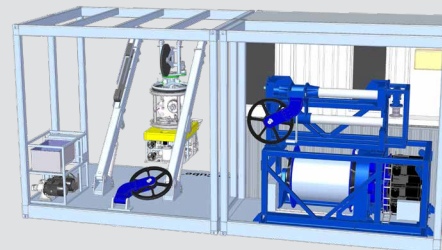
RIB BOAT WITH DAVIT



LAUNCH & RECOVERY SYSTEMS



For AUV



For ROV

ENDLESS FUNCTIONS

The Cube™ currently contains the following equipment solutions

BOAT SOLUTIONS (INCLUDING DAVITS)

- Fast interceptor boat
- Fast rescue boat
- Rescue boat
- Drone boat
- Work boat
- Crew boat
- Diver boat
- Ambulance boat
- Police boat

INVESTIGATION TOOLS SOLUTIONS

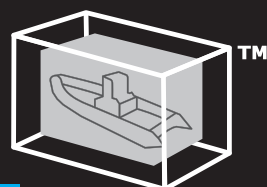
Launch & recovery systems for:

- ROV
- AUV (underwater drones)
- USV (surface drones)
- Mini submarine
- Diving equipment
- Sonar equipment

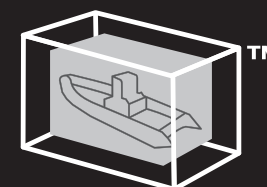
WORK TOOLS SOLUTIONS

- Telescopic gangway (ship to shore - ship to ship)
- Telescopic crane
- Elevator module
- Overhead crane
- Foldable crane
- Winch systems for sonar, mooring, towing, lifting etc.
- STS fuel transfer systems

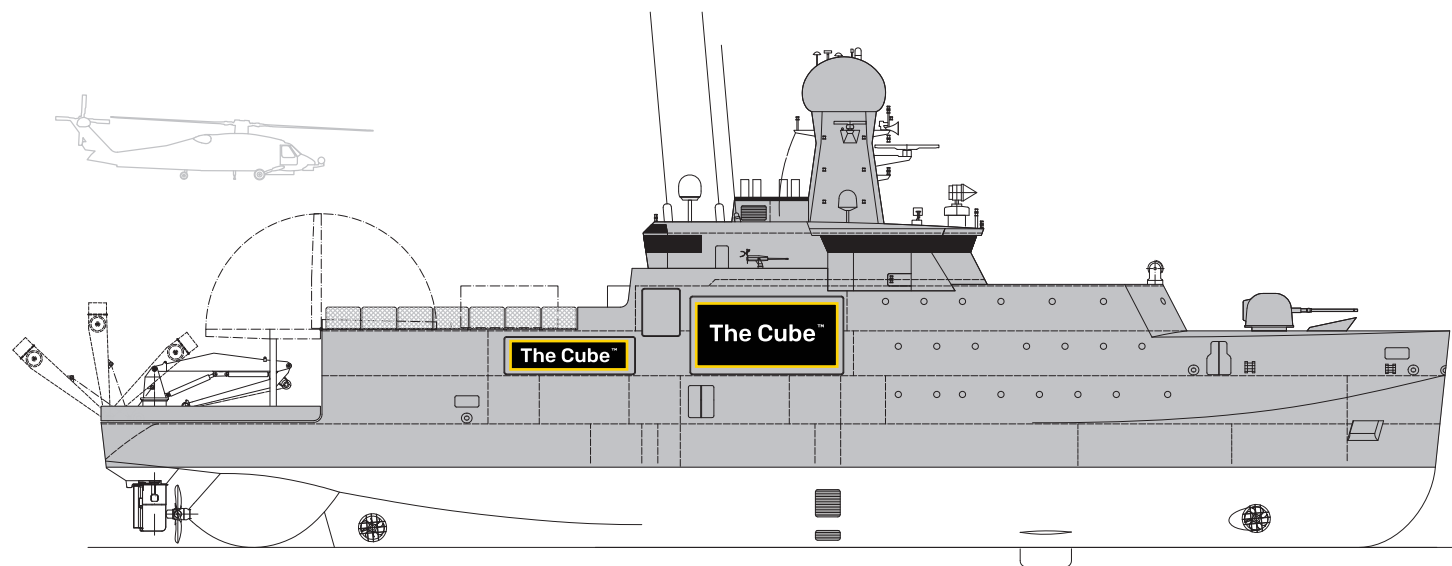
- FIFI firefighting systems
- Tank storage module for fluids
- Floating barrier systems
- Environmental pump suction systems
- Pump module for emergency support and salvation
- Air compressor module
- Pre-Hospital module
- Hospital module
- Test Lab module
- Hazmat module
- Office module
- Kitchen module
- Canteen module
- Accommodation/passenger module
- Bath and toilet module
- Command center module
- Storage module
- Freeze storage module
- Various weapon systems
- Freshwater purifier module
- Electric power module (diesel genset)
- Cleaning workshop module
- Workshop module
- Central heating module
- Search and work light module
- Air drone bay



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SH Defence Partner
FASSMER
 DEFENCE


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NEW
MULTI PURPOSE OPV

KEY BENEFITS



Flexible and cost-efficient

Vessels made ready for The Cube™ can be used for various purposes without costly rebuilding between missions.

Quick exchange of vessel function

Modules can quickly be exchanged in any harbour and only requires a crane. The vessel is mission-ready within hours.

Fast ROI

If initial rebuilding of vessels is needed to fit The Cube™ expect a ROI of only 2-3 years due to the massive drop in operational expenses and new vessel investments.

Off-the-shelf or custom-made

Choose between 120+ standard modules that fulfill common demands, or ask for custom-made modules designed to fit specific needs.

Footprint for ISO-standard containers

Modules fit ISO-standard container sizes up to 40' and can be merged as one unit inside a Cube. Larger vessels can carry up to 4x4 modules onboard without compromising stability.

Easy logistics of equipment

No need for special transports. The standard container-sized modules are easily transported overland by train or truck – or via airplane. This ensures fast and cost-efficient exchange of vessel function.

Shared equipment reduces budget

Equipment can easily be shared between vessels or across national navies to avoid unnecessary costs and ensure rapid assistance in case of emergency situations.

Emission reduction

The Cube™ is designed with the environment in mind. The reuse of vessels for various purposes and recycling of components substantially reduces the carbon footprint related to construction and rebuilding.

Modules fit any vessel

For maximum cost-efficiency and optimal use of the modules the vessel should be built or rebuilt to fit The Cube™. But even fixed-purpose vessels can benefit from the modular system, if container fittings are installed on open deck.

Ready to use

Each module is easily unpacked to enable urgent use of the equipment if needed. Electronically controlled equipment such as air drones, weapon systems or scientific equipment can be easily configured and operated.

Compact and protective

Equipment is stored in a compact and protective environment to minimize space and prevent the risk of damage.

Safe and stable storage

Modules are stored in Cubes at midships to ensure maximum safety and stability at sea even with heavy loads.

No speed loss due to weight

Due to the optimized positioning of The Cube™ at midships the speed of the vessel is not affected by the weight of any of the standard modules (even the ones containing very heavy equipment).

Functions in extreme temperatures

The Cube is designed to protect equipment and ensure it is fully reliable and operating seamlessly in both arctic areas and regions with extreme heat.

Qualified service & support

Any module can be maintained or troubleshot by qualified personnel on different locations. Service contracts covers quick support and repair whenever needed.

The Cube™ Training Program

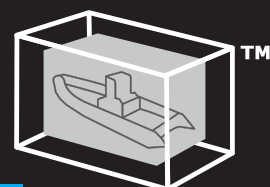
Minimize downtime of equipment and save time and money by upgrading the skills of key crew members to operate equipment and perform service and maintenance during missions.

Plug & play power source

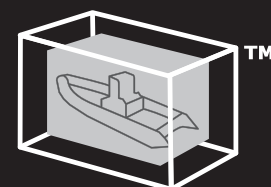
The equipment is powered by a single power pack installation. Just plug in any given module to connect it. Any configuration can easily be changed if needed without compromising security.

Tested and proven

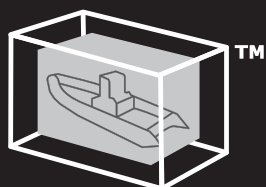
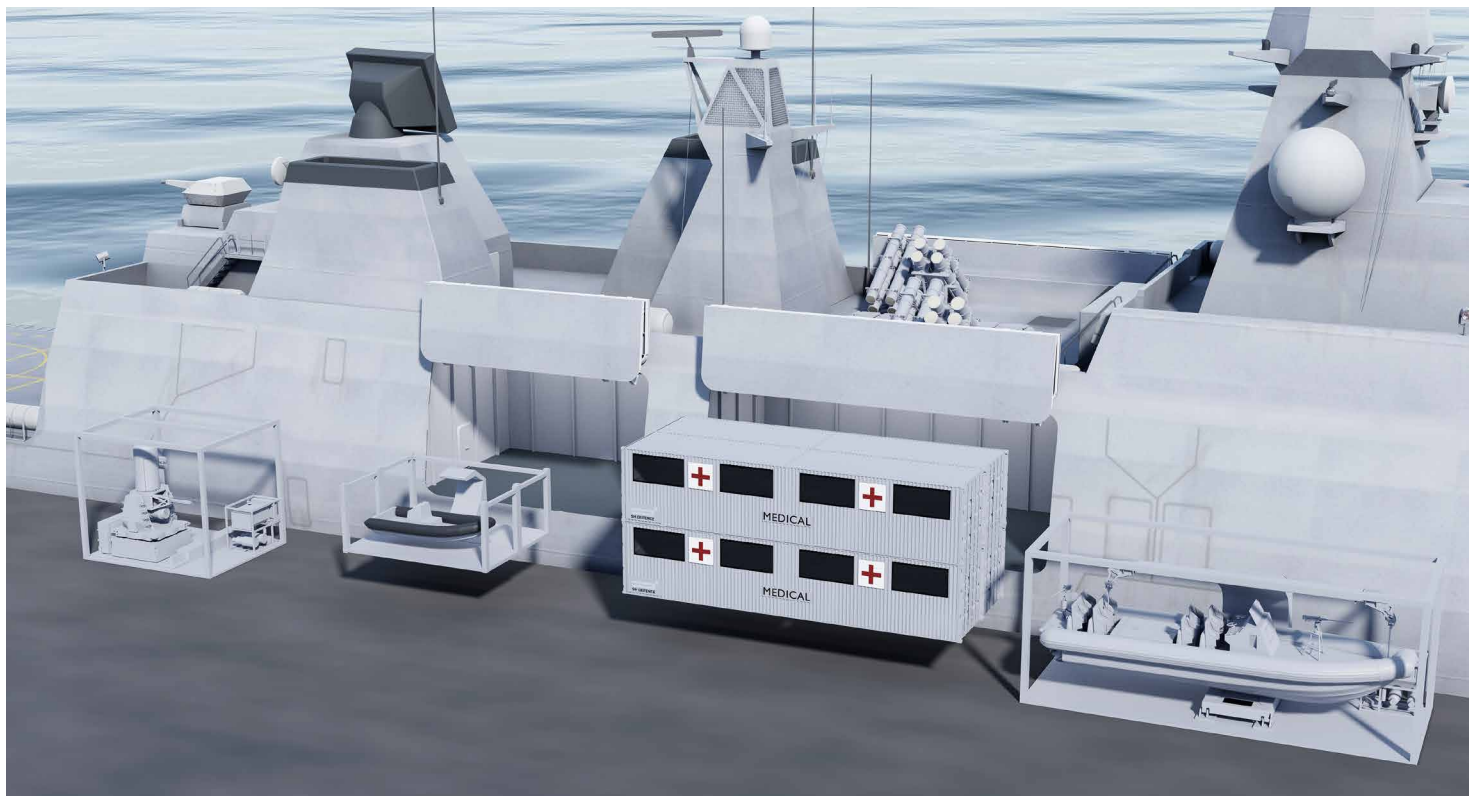
Equipment is tested and proven and already installed in and used by naval vessels worldwide.



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**Patent
pending**

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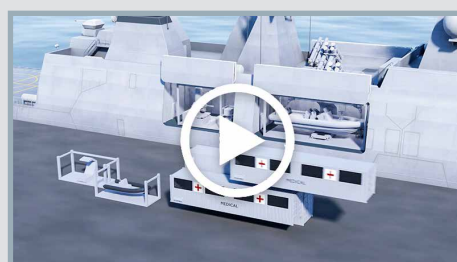


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www.shdefence.com



[Video The Cube™](#)