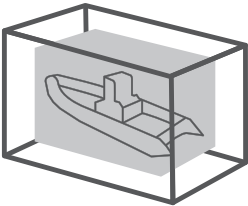


The Cube™ System

Future-proof Containerized Multi-Mission Modules

The Cube™



Multi-Mission Module

Cutting-edge equipment solution that allows conversion of navy and coast guard vessels in less than 4 hours – without costly rebuilding between missions.

Flexible and cost-efficient vessel conversion

Modern naval vessels must be capable of carrying out different missions and roles both in peacetime and in wartime. Reconfiguring vessels for new missions can be both costly and time consuming. That is why SH Defence developed The Cube™.

The Cube™ is a flexible and cost-efficient solution consisting of modular equipment that enables reconfiguration of vessels in less than 4 hours. All you need to do is unload the Cube™ modules that are no longer required and load the modules that support the vessel's next mission.

Modular system with standardised interface

The Cube™ is a system developed by SH Defence to reduce the cost and time required to reconfigure multipurpose naval vessels to new missions.

The idea is that mission equipment is installed in the Cube™. Cubes are standard 20' and 40' high-cube container units that are provided with the necessary

connections (compressed air, clean air, water, power, communications etc.) to provide a plug-and-play system that fits in any Cube™-ready mission bay.

New build or retrofit

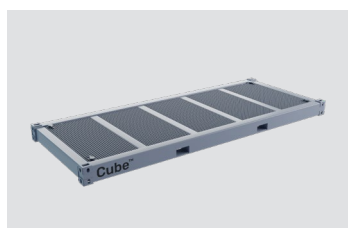
For a mission bay to be Cube™-ready it must be provided with a standard connection cabinet CubedIn™, fully automatic twist-lock system, dedicated tracks and pockets for Mobile Cube™ loaders and hydraulic jacks. The system is mainly intended for new-built navy vessels, but can also be included in a retrofit.

Simple system, endless possibilities

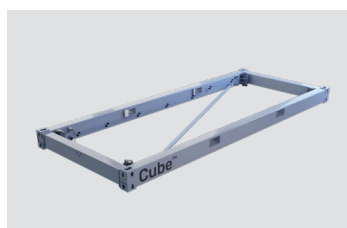
When you have your Cube™-ready mission bays in place, there is no limit to the equipment that can be transformed into a Cube™, so your vessel truly becomes a multi-mission vessel that can be reconfigured in just hours.

The flex frame, base frame and engineered frame offer a plug-and-play solution for equipment of almost any kind. So far, we have identified 120+ mission modules, but with this system, the sky is the limit!

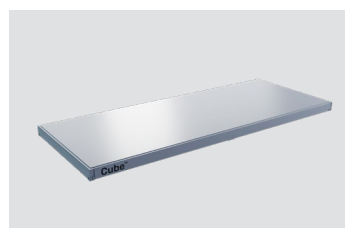
The Cube™ concept consists of the following components and equipment:



Base Frame



Flex Frames - 20' and 40'



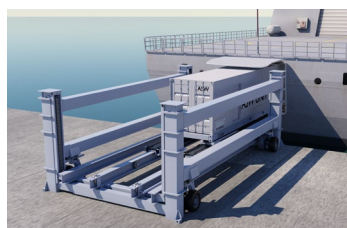
Engineered Frame



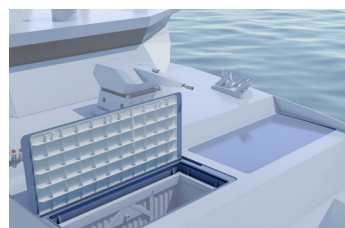
Fully aut. twist-lock system



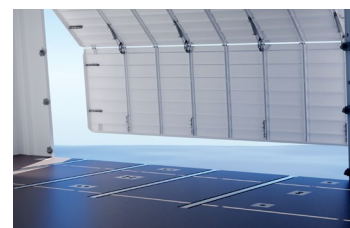
Mobile Side Loader



Mobile Stern Loader



Deck hatch cover



Mission Bay Doors

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.

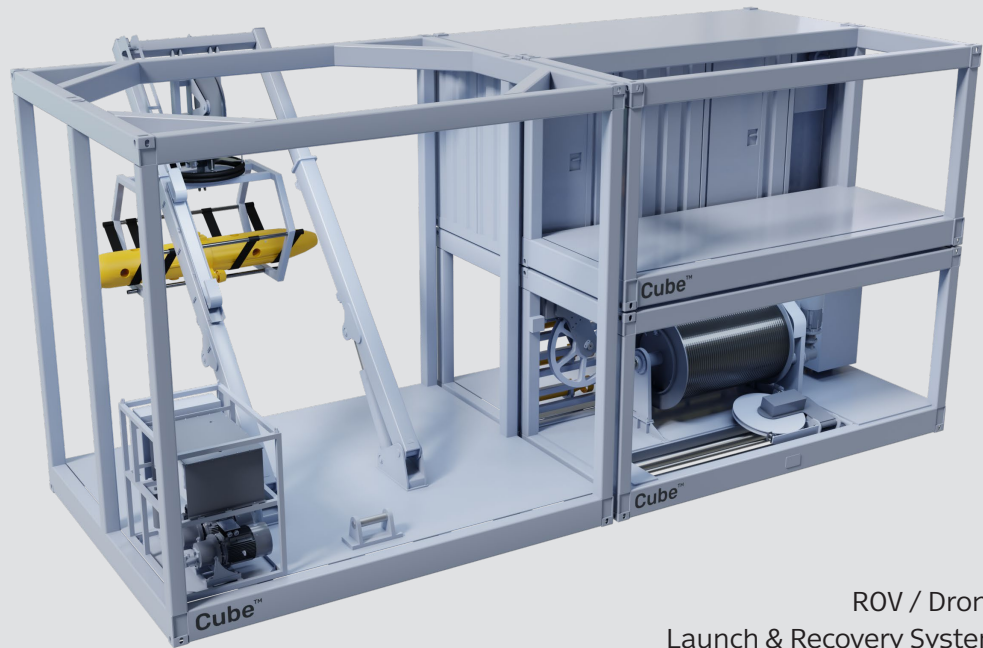
Tested and proven

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

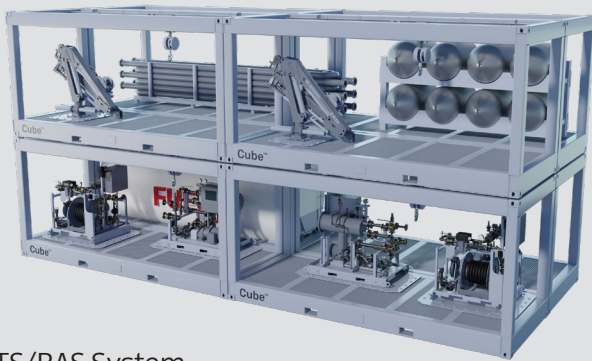
Selected The Cube™ solutions



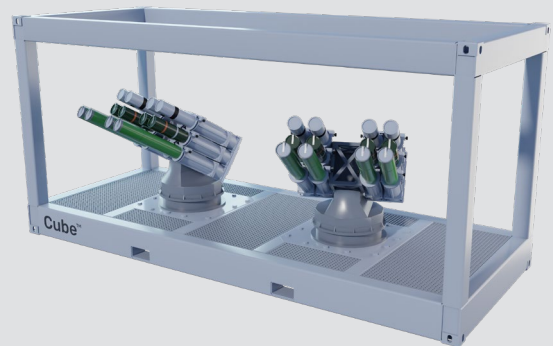
Go to www.shdefence.com
for more info and movies



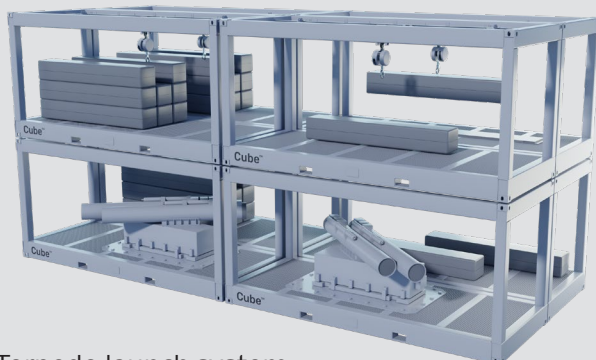
ROV / Drone
Launch & Recovery System



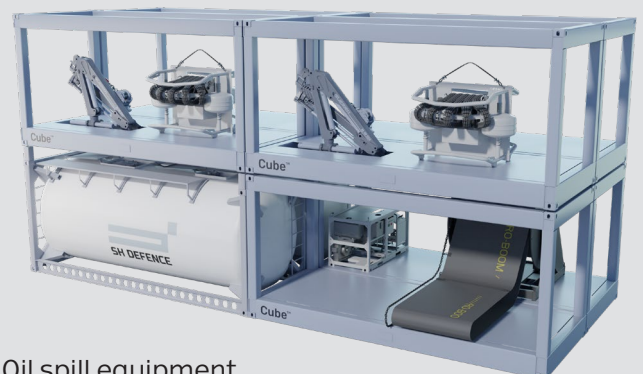
STS/RAS System



Weapon systems



Torpedo launch system



Oil spill equipment