

## Safety first

Safety has been the single most important factor behind the new design. Lamor Subsea MWH-6 is made of fibreglass. The strength of construction is in line with standards used in rescue boats. Selection of materials and the round shape of the whole device makes the MWH-6 safer and more comfortable for users.

On board camera, lights, communication and emergency alarm systems are all included in the scope of delivery

to ensure the highest levels of operational safety. In addition MWH-6 can be equipped with fixed or portable breathing system.

Commissioning and training of personnel is always included in the delivery of the MWH-6. Training is given by most experienced trainers, either in Finland or at end users site.

Lamor Subsea Ltd has 20 years experience in submersible and underwater technology, and projects for underwater off-shore solutions. Lamor Subsea also specializes in underwater oil spill response technology in co-operation with Lamor Corporation and Clean Globe International Ltd.

# MULTIWAY HUET, MWH – 6

Range of underwater escape simulators available from Lamor Subsea:

### Traditional HUET

- Basic simulation for conventional training
- In production since 2001



### Dual way HUET / DWH

- Entry model MWH with traditional rotation
- can be upgraded to multi way MWH
- New in 2010



### Multi Way HUET / MWH

- Most versatile and realistic simulation for underwater escape training
- Production started 2008
- New in 2009



Crash Landing training:



**LAMOR**  
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# Next Generation Simulator for Helicopter Underwater Escape Training

The Multiway HUET, MWH-6, is a new type of training device, which has been designed for the underwater escape training of helicopter and fixed wing aircraft crew and passengers. The purpose is to provide simulation of an emergency exit in the case of a helicopter crash landing / ditching at sea.

The innovative technical characteristics of the MWH-6 will propel traditional HUET training to an entirely new level. Using the MWH-6, the crew and passengers will receive the most realistic training available.

The drawback of traditional HUET training has been that the training has not always been challenging enough to replicate a real accident situation. The movements of the traditional HUET have become too predictable. Only 180 degree turns on a single access have been possible with the traditional training device. Another disadvantage of the traditional simulators has been that their descent into water is slow and controlled which generally makes the fall seem unrealistic.

In the development of the MWH-6, the practical experiences of professional HUET users and skilled HUET train-

ers have been combined with the expertise of Lamor Subsea in underwater technology.

The patented\* MULTI-WAY HUET, MWH-6 system introduces an innovative concept where the construction enables demanding, unpredictable and authentic simulation of movements in any direction on a dual axis. The advanced construction also allows for safe simulation of free crash landing into water, which represents an entirely new feature to HUET training.

The Multiway HUET is CE certified and produced according to the relevant directives stipulated by the European Parliament and the council of the European Union.

\*Nr. FI20085223



Multiway rotation training

## Saving lives

HUET (Helicopter Underwater Escape Training) has been widely adopted by the general offshore industry and recognized as a prerequisite for all personnel travelling offshore by helicopter. In the design of Lamor Subsea MWH-6 the requirements of all relevant international standards and recommendation have been taken into account.

Given the value provided by HUET Training, there is no doubt that the more training and information that is provided, the better the crew and passengers are prepared to face an emergency situation.



In the 52nd IASST (The International Association for Safety and Survival Training) International Meeting held in Cyprus in 2007 the following conclusion was highlighted: **“Operational realism, functional similarity and consideration of the tasks that must be performed during helicopter escape are more critical than physical fidelity”**. According to the report, appreciation of the difficulties involved with underwater regress can only be achieved through appropriately realistic simulation. (Coleslaw 2006: Investigation of removable exits and windows for helicopter simulators)

Lamor Subsea MWH – 6 represents the most realistic possible training device to meet this requirement. Statistics

clearly show that persons who have been trained with a HUET have increased survival chances in an accident where a helicopter or aircraft ditches / crashes in water - compared to a passenger who has not received any training.

The main reasons for fatal helicopter accidents in controlled emergency ditchings / landings, are seldom due to the crash into the water itself. In the majority of cases, a fatal result is caused by the lack of underwater escape training, or how to react when underwater, in order to escape from the downed craft.

The Multiway HUET simulator sets HUET training on an entirely new level as it enables far more demanding training and familiarity with the reality of a critical life-saving situation. Controlling disorientation is one of the most important aspects of HUET training. With the Multiway HUET simulator, disorientation training can be better simulated and more realistically experienced in a controlled environment than ever before. Training with a Multiway HUET also increases personnel self-confidence required to improve the odds for survival.

## Most advanced escape training

The Multiway HUET is the most advanced escape training simulator available. The main features and benefits are:

- Simulation of unpredictable movements
- Turning / Rotation is possible in any direction, offering a number of different variations for training
- Fast and easy transformation into a free crash landing training device. MWH-6 offers two independent training devices in one unit.

- The MWH-6 can be customized for the simulation of many different types of helicopters. The locations of doors, windows, seats and exits can be easily modified and replaced.
- MWH-6 can be used as traditional simulator with single axis.

MWH-6 is the best device available for step-by-step training, starting from simple training for beginners and ending at demanding crash landing training for professionals.

### Technical specifications

Length	2660/3400 mm
Height	2660/3400 mm
Width	2310 mm
Carrying capacity	6 persons
Weight approx.	2000 kg
Crane/gantry system	TBA

