DUNKER
Helicopter Underwater Egress Training Facility

Be Trained to Survive

DUNKER arms you with the resources and skills required to stay safe, and escape from a helicopter that has landed in water. As frightening as the idea of a helicopter crashing into water might be, the skills needed to keep you safe in such an event can be learnt in a well-designed environment of just one day.

Capabilities & Components

With the completion of the Helicopter Underwater Egress Training, trainee,

- Understands what hazards may arise during evacuation from the helicopter,
- Identifies the best exit points,
- Performs inhalation and surfacing techniques to sustain one's breath,
- Undertakes key survival measures when at sea or submersed in water,
- Manages a safe and successful underwater escape.

The facility includes 4 distinct training capabilities to enable discrete trainings including the components:

- Helicopter Underwater Escape Trainer (HUET),
- Simulated Rescue Helicopter,
- Simulated Landing with Parachute,
- Ship's deck.

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Realistic, Safe and Standardized Training

Consistent and realistic training produces an optimal level of readiness that prepares crew to react more efficiently and effectively to actual casualties.

Thanks to the state of the art and fail-safe design of the system, DUNKER provides a safe training environment with adjustable and controllable difficulty levels.

Designed based on the international standards & OPITO criterion for the personnel who regularly travel by helicopter/aircraft to provide/ensure the skills and knowledge of what to do in an emergency situation where there is a need to exit a ditched helicopter/aircraft and survive at sea for a period of time.

Key Features

- The cockpit can be both configured as helicopter and also as aircraft,
- All exits (inc. emergency exit), windows are interchangeable based on aircraft/helicopter,
- The seats can be configured as helicopter and also as aircraft, and they are sectional,
- There are emergency mechanisms to release the trainees,
- Cabin can be controllable rotated to both sides 180 degrees while being submerged in water,
- Cabin lowering speed is controllable.

Capabilities

A tower with a gliding path of cable and a suspension system to simulate landing with use of a parachute .

The facility has also a platform with rope ladder, rope, rescue raft and its release mechanism that resembles ship's deck. Provides the training to abandon the ship, to receive the survivors on board of the vessel.

The hangar for the trainings has below capabilities to enable realistic training environment:

- Adjustable lighting/darkening capability to enable the daytime/night differentiation,
- Fans below the platform and around the pool to blow and create wind & sea effects,
- General announcement & sound effect system to simulate stormy weather, rain/thunder and helicopter's rotor blades,
- CCTV system; cameras with high resolution,
- To fill Helicopter Emergency Egress Devices (HEED) filling stations in pool hall and a compressor outside of pool area and tubes.

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