DAMAGE CONTROL TRAINER
Redefine Sailor Skills in Safety
In pursuit of a well-coordinated training and responsive damage control team, our Damage Control Trainer provides ship crew a realistic training environment at a fraction of the cost and time spent doing live training at sea.

The Damage Control Trainer (DCT) is a multi-storey land-based live virtual trainer consisting of a static and motion trainer designed to address these training challenges. Built as a replica of a ship, the structure includes crew stations, cabins and engine rooms, with a motion trainer that simulates the rocking motion of a ship in rough seas.
KEY FEATURES

Scenario-based Training
Training in the DCT allows trainees to acquire practical skills in handling shipboard damage control and fire fighting equipment onsite through simulating scenarios that cannot be replicated on real ships.

Scenarios can range from flooding, shipboard fire and confine space search and rescue (SAR).

Configurable Environmental Effects
Automated flooding, fire and sound effects systems can be programmed or controlled by the instructor. More than 60 damage points are designed to generate unpredictability for training effectiveness.

Shore-based Motion Trainer
- Consists a static (3 decks) and motion trainer (2 decks), 20 compartments, with layout resembling a typical ship
- + / - 15 degrees rolling effect of the motion trainer simulates varying sea states for added realism during training

Simulation Effects
- Ship Roll Effects
- Below Water Line Flooding
  (Deck, Hull and Hatch flood)
- Above Water Line Flooding
  (Pipe Burst, Door Flood)
- Fire Simulation
  (Compartment Heating)
- Sound Effects
  (Environmental and Bombing Sounds)
**KEY FEATURES**

**Central Control Station (CCS)**

The CCS provides real-time monitoring and control capabilities for instructors to develop customised training exercises, as well as simulating scenarios and operational conditions. The Training Analysis Portal System (TAPS) facilitates the playback of training scenarios and generate statistical reports for analysis.

- Pre-planned Scenarios
- Exercise Execution
- Full Control & Monitoring (Access to over 50 CCTV feeds and system statuses)
- Record & Playback for After Action Review (AAR)

**Suite of Safety Systems**

- Sensors and overflow mechanisms ensure water levels do not exceed 1.5m during flooding
- Fail-safe emergency drainage system ensures that water drains rapidly from the trainer
- Emergency lights and smoke extraction system will switch on during an emergency
- Motion system safety interlock ensures the motion trainer comes to a stop in the event of an opened door

**Benefits:**

- Overcomes the traditional constraints of training space and resources
- Enhanced training effectiveness in a realistic, safe and controlled environment
- Complete training solution from individual to team and leadership training