## GDS GAS DETECTOR SIMULATOR



#### **Purpose:**

GDS Simulator is intended for practical training in using portable gas detectors for testing atmosphere in ship enclosed spaces.

## Configuration

Simulator consists of Instructor WorkPlace (IWP), and Student WorkPlaces (SWP).

IWP is designed to set and control the performance of training tasks.

### Instructor' operations:

- to assign a closed space to the student,
- to enter type and concentration of gases and vapours in the enclosed spaces,
- to compare the measurements results made by the student with those given.

#### Student' operations:

- to study construction, indications and controls of the gas detector,
- to study gas detector calibration principles and prepare it for operation,
- to determine the type and percentage of gases in the enclosed space.

GDS Simulator includes Dräger X-am 5000 portable gas detector, which is widely used on ships, in accordance with its Technical Manual. Gas detector simulator helps determining concentration of  $O_2$ , explosive gases and vapours (% LFL),  $H_2S$  and CO for maintaining tests, required for enclosed space entry.

Simulator includes the following ship spaces:

- Cargo tank with vapour lock for gas detector hose penetration;
- Ballast Tank with hatch lids for gas detector hose penetration;
- CO₂ station;
- Paint store.

## Simulator can be used:

 during tankers personnel training courses in accordance with requirements of Chapter V of SCTW Code,

## **Target groups**

Crewmembers
Tanker personnel

#### Ship types

All ships Tankers

## Simulator

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- during Advanced Fire Fighting Training courses in accordance with requirements of Chapter VI of SCTW Code,
- during Enclosed Space Entry training courses.

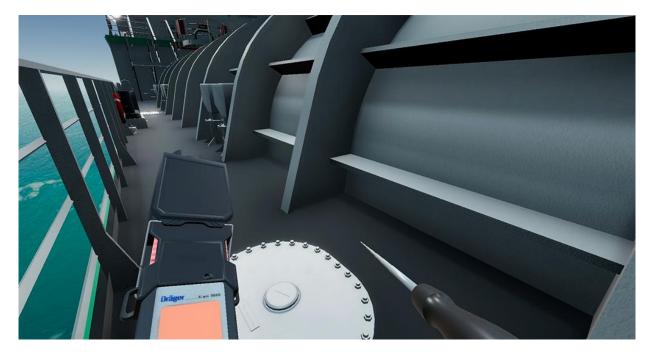
Development completion is planned for January 2024.

### **Delivery set**

Simulator can be delivered as a separate product, or as part of AFS Advanced firefighting simulator.

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Web: <a href="https://stormsimulators.com/">https://stormsimulators.com/</a>

Simulator

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