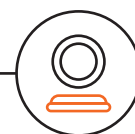


Flashover Training Facility

Technical data sheet



Flashover trainer is designed to develop tactical skills of firefighters and rescuers in a closed space, with the concentrations of burning gases generated from combustion of various elements. The simulator is made of two separates, connected on a different levels containers. The lower level is intended for visual fixation of the fire combustion and development of extinguishing and rescue tactics. The upper level is fire combustion chamber. All elements inside this chamber are made of fire-resistant materials, which ensures resistance to high temperatures and designed for practical fire extinguishing using water or foam.



Flashover Training Facility

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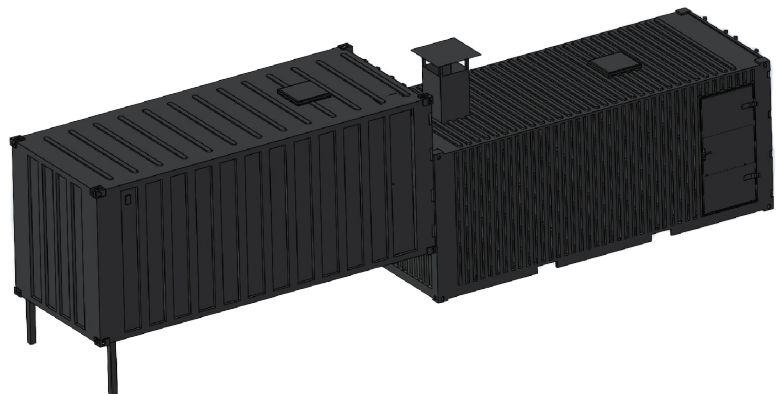
Every Flashover trainer is unique and all technical specifications can be adjusted and specified by users. In case of request, it is possible to install thermal imager for video transmission and recording as well.

Software and Data Analysers

Arete Flashover training control system is a combination of Arete designed PLC controllers, sensors, and software.

Inside the combustion chamber, a set of sensors is installed on different levels. All data is transmitted to the control computer and processed by the Arete "Logic" software. Sensors are located with the distance of 50 cm. and can detect:

- Temperature
- Pressure
- CO₂
- CO
- O₂



System is able to determine the survival zone and observe the dynamics of temperature, pressure, and combustion gases, depending on a fire stage and volume. The software displays real-time data divided by levels, creates graphs, and records the history of all trainings.*

*PDF reports available on every training or separately on every sensor's level.



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