

# 50 Men SIP/ H2S Protection Shelter



This Uniteam 50-men SIP is GOST-K and SIL-2 certified and is a customized solution built for easy transport and relocation as it consists of 5 standard ISO containers; 3x40ft and 2x20ft. Fire rating is A-60. The sealing between the containers is solved by Uniteam patented GSSP gaskets, ensuring quick deployment of the SIP at site and a minimum downtime of the ongoing production.

With the Breathing Air system with SIL-2 operation and manual override provided by EUREKA, it will protect employees by overpressure for more than 2 hours during an emergency. Autronica F&G system with SIL-2 approval will make sure your warnings are informative and correct.

The 3x40ft containers of the SIP are used as Muster Area (Approx. 80 Sqm). One 20ft container contains the Breathing Air Bottle Bank, compressor and PRP cabinet, while the air-lock and technical control room (including F&G Control Cabinet, Electrical Distribution board and UPS) are located in the other 20ft container. Only power has to be added to unit through the readymade gas-safe MCT-Gaskets.



SIP on site



Muster Area

## Specification

### Structural

3x40' ISO High Cube Muster Area Size: 12,19 x 2,43 x 2,89 meters [LxWxH]

20' ISO Technical Container and Air-Lock Size: 6,06 x 2,43 x 2,89 meters [LxWxH]

20' ISO Breathing Air Bottle Bank Container Size: 6,06 x 2,43 x 2,89 meters [LxWxH]

Operational Temperature +43°C to -45°C

Insulation Sprefix-S + 100mm Rockwool K-Value 0,42

Fire rating A-60

Doors A-60 Heavy duty gas tight

Painting NORSOK 501

Lining Med-B certified

### Electrical

UPS 2 hours for emergency equipment

Cables Acc. to NEK 600 Offshore and petroleum

Atex zone approval Zone 2

### Instrumentation

F&G system SIL-2 approval Autronica

Sensor, Detectors Internal and external monitoring of Fire/H2S/CH4, internal CO2

Airlock With interlock system activated in emergency situation

Over pressure 50Pa in Muster area/Tech room/BB - 25Pa in Air-Lock

### HVAC

Breathing Air system 2hours +20% operation and manual override

HVAC system With SIL-2 monitoring and shutdown

AC External EX Atex zone 2