

# 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]
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20' ISO Technical Container and Air-Lock	Size: 6,06 x 2,43 x 2,89 meters [LxWxH]
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20' ISO Breathing Air Bottle Bank Container	Size: 6,06 x 2,43 x 2,89 meters [LxWxH]
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Operational Temperature	+43°C to -45°C
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Insulation	Sprefix-S + 100mm Rockwool K-Value 0,42
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Fire rating	A-60
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Doors	A-60 Heavy duty gas tight
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Painting	NORSOK 501
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Lining	Med-B certified
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### Electrical

UPS	2 hours for emergency equipment
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Cables	Acc. to NEK 600 Offshore and petroleum
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Atex zone approval	Zone 2
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### Instrumentation

F&G system	SIL-2 approval Autronica
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Sensor, Detectors	Internal and external monitoring of Fire/H2S/CH4, internal CO2
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Airlock	With interlock system activated in emergency situation
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Over pressure	50Pa in Muster area/Tech room/BB - 25Pa in Air-Lock
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### HVAC

Breathing Air system	2hours +20% operation and manual override
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HVAC system	With SIL-2 monitoring and shutdown
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AC External	EX Atex zone 2
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