

270 Men SIP

H₂S Protection Shelter

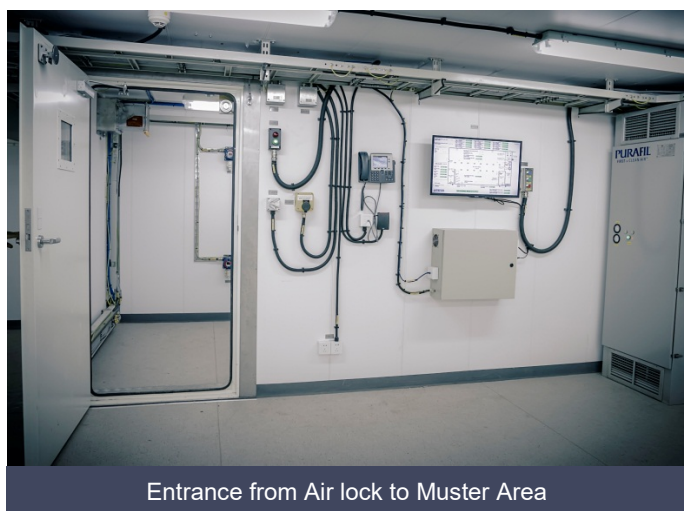


H2S Shelter

This 270-men SIP from Uniteam China is a customized solution built for easy transport and relocation. It is built by 10x40' standard ISO containers with A-60 fire rating and blast protected 200mbar/100msec. The sealing between the containers is solved by Uniteam patented GSSP gaskets which allows for fast deployment of SIP on site, with minimum downtime of the ongoing production.

With H₂S filter system operation it will protect the employees by over pressure for more than 2 hours during an emergency. F&G system and MIMIC panel will make sure your warnings are informative and correct.

One 40ft container is used as Equipment room (contains 2xH₂S filters, AHU, UPS, F&G, Power and Control cabinets), while 9x40' containers are used as Muster Area (Approx. 210 Sqm). The two air locks are located in each end of the SIP (Approx. 16 Sqm). Only power needs to be supplied from site and the SIP is ready to use.



Entrance from Air lock to Muster Area



Muster Area



Air lock



Equipment Room

Specification

Structural

9 x 40' ISO High Cube Muster Area and Air-Locks	Size: 12,19 x 2,43 x 2,89 meters [L x W x H]
40' ISO Equipment Room	Size: 12,19 x 2,43 x 2,89 meters [L x W x H]
Operational Temperature	+43 Summer to -20 degree C Winter
Fire rating	A-60
Blast protected	200 mbar / 100msec
Doors	A-60 Heavy duty gas tight
Painting	Offshore
Lining	Med-B certified

Electrical

UPS	2hours for emergency equipment
Cables	Acc. to Offshore and petroleum
ATEX zone approval	ZONE 2

Instrumentation

F&G system	Notifier
Sensor, Detectors	Internal and external monitoring of Fire/H2S/CH4, internal CO2 and O2
Airlock	With interlock system activated in emergency situation
Over pressure	Min 50Pa in Muster area/Tech room/ - min 25Pa in Air-Locks

HVAC

H2S Filter System	2hours +20% with automatic operation and manual override
HVAC system	With monitoring and shutdown
AC External	EX ATEX zone 2