

ELECTRICAL SHELTER POWER ROOM CONTROL ROOM



**General data sheet
Case Histories**

COS'E' UNO SHELTER

Uno shelter è un'ambiente ideato e realizzato con le opportune peculiarità per l'installazione al suo interno di apparecchiature elettriche e/o elettroniche di controllo e/o potenza. Lo shelter è costruito modificando di un container ISO standard o mediante la pannellatura di una struttura in acciaio autoportante opportunamente dimensionata e personalizzata in funzione dell'utilizzo previsto

PERCHE' USARE UNO SHELTER

Lo shelter risponde pienamente alle esigenze del mercato moderno fornendo ad apparecchiature sensibili un alloggio sicuro, una soluzione compatta facilmente trasportabile, flessibile, personalizzabile e facilmente installabile a destinazione partendo dal concetto dell'unità plug and play

PRINCIPALI CARATTERISTICHE COSTRUTTIVE

Ogni Shelter viene progettato in funzione delle apparecchiature e/o equipaggiamenti installati al suo interno. Progettazione meccanica della struttura portante verificata sia in fase statica (condizione di lavoro) che in fase dinamica, ossia verifiche al sollevamento.

Progettazione elettrica degli impianti ausiliari comprende la verifica termodinamica per garantire un corretto isolamento ed ottenere una temperatura costante all'interno, la verifica illuminotecnica al fine di garantire il livello di lux richiesti, il quadro ausiliario di gestione e alimentazione dei sistemi installati.

Impianto di rilevamento fuoco/fiamma, impianto di spegnimento CO2 e/o FM200

Posizionamento di porte, Infissi e/o griglie d'aerazione in funzione delle specifiche esigenze del client, Pavimento di tipo fisso e/o flottante

Telai di rinforzo per il posizionamento e il montaggio delle apparecchiature installate

Doppia copertura con camera d'aria per limitare l'effetto irradiante dell'esposizione al sole

Verniciatura finale secondo le specifiche condizioni d'utilizzo

QU'EST-CE QUE C'EST UN SHELTER

Un shelter est un abri étudié et réalisé avec les particularités appropriées pour l'installation à l'intérieur d'appareillages électroniques et/ou électriques de contrôle et/ou de puissance. Le shelter est construit en modifiant un container ISO standard ou par le revêtement avec panneaux sandwich d'une structure en acier auto-porteuse convenablement dimensionnée et personnalisée en fonction de l'utilisation prévue.

POURQUOI UTILISER UN SHELTER

Le shelter répond complètement aux exigences du marché moderne il fournit aux équipements électriques et/ou électroniques un abri sûr, une solution compacte, facilement transportable, flexible, personnalisable et d'installation facile à destination suivant le concept plug and play.

PRINCIPALES CARACTÉRISTIQUES CONSTRUCTIVES

Chaque Shelter est étudié en fonction des équipements installés à l'intérieur. L'étude mécanique de la structure portante est vérifiée soit pour la charge statique (condition de travail) que dynamique (opération de levage). L'étude électrique des installations auxiliaires comprend la vérification de la thermodynamique pour garantir un isolement correct et obtenir une température constante à l'intérieur, la vérification de l'éclairage afin de garantir le niveau de lux demandé, le tableau auxiliaire de gestion et alimentation des systèmes installés.

Installation système de détection feu / fumée et système d'extinction CO2 et/ou FM200

Positionnement des portes, fenêtres, grilles d'aération selon les exigences spécifiques du client, plancher type fixe ou avec dalles flottantes.

Châssis de renforcement pour le positionnement et la fixation des équipements installés

Double toiture avec chambre d'air pour limiter l'effet irradiant de l'exposition au soleil

Peinture finale selon les conditions spécifiques d'installation sur site et la spécification technique du client

WHAT'S A SHELTER

A shelter is an environment engineered and realized with the opportune peculiarities for the installation on his inside of electric power or control equipment's. The shelter are built modifying a standard ISO container or by applying insulated panels to a structure in a welded steel self-supporting type opportunely engineered and personalized according to the final use condition and installation site.

WHY TO USE A SHELTER

The shelter fully responds to the need of the modern market in order to furnishing to the electrical sensitive equipment's a sure lodging place, is a compact, flexible and customized solution in its size and accessories following the concept of plug and play unit. In addition the shelter facilitate and reduce loss of time for transportation, loading e/o unloading operation and installation on filed.

MAIN CONSTRUCTIVE CHARACTERISTIC

Every Shelter is engineering according to the installed equipment's on its inside. Mechanical engineering foresee the mechanical structure stress verification in static (on site job condition) and dynamic (loading e/o unloading operation)

Electrical engineering of the auxiliary system includes the thermodynamic verification to guarantee a correct isolation and to get a constant and controlled of the inside temperature, the lighting verification with the purpose to guarantee the level of in demand lux, the auxiliary panel for the power supply and the control of the installed systems.

Fire/smoke detection system, fire extinguishers system by CO2 or FM200

Positioning of doors, windows e/o aeration and ventilation grilles according to the customer specification, Floor type fixed by undulated aluminum plate or floating floor

Welded steel chassis for supporting and fixing of the installed equipment's

Doubles roof with air room in order to minimize the effect eating impact of the sun radiation

Final painting according to the specific conditions of use and customer specification

NR. 4 UNTIS FINAL DESTINATION IRAQ MARKET THROUGH A FRENCH ENGINEERING COMPANY



Total length: 9 mt - Total wide: 2,5 mt - Total height: 3 mt - Max on load weight: 12.000 Kg

Shelter self-supporting type for loading electrical switchgear engineered for fire resistance 30 minutes (REI 30) Main structure by main and connection beams with opportune size according to the total weights of the installed equipment's, all the shelter side (roof, bottom under floor, and the 4 side) are protected with special sandwich panel with thickness of 50 mm with inside wool of rock. Equipped with double condition system 2x24.000 Btu, lighting, emergency lighting, fire detection system.

NR. 2 UNTIS FINAL DESTINATION FRENCH MARKET THROUGH ABB FRENCH FOR EDF INSTALLATION



Total length: 6 mt - Total wide: 2,5 mt - Total height: 3,4 mt - Max on load weight: 8.000 Kg

Shelter self-supporting type for loading electrical switchgear engineered for fire resistance 30 minutes (REI 30) Main structure by main and connection beams with opportune size according to the total weights of the installed equipment's, all the shelter side (roof, bottom under floor, and the 4 side) are protected with special sandwich panel with thickness of 50 mm with wool of rock. Equipped with double condition system 1x12.000 Btu, lighting, emergency lighting.

NR. 6 UNTIS FINAL DESTINATION MOROC MARKET THROUGH AN ITALIAN ENGINEERING COMPANY



Total length: 12 mt - Total wide: 2,3 mt - Total height: 3 mt

Shelter self-supporting type for loading electrical switchgear, dry type transformer engineered for installation on sea board. Main structure by main beams and connection with opportune size according to the total weights of the installed equipment's, all the shelter side (roof, bottom under floor, and the 4 side) are manufactured with steel undulated flat welded on the main chassis and internally protected with special sandwich panel type with thickness of 50 mm with poliuretanic mousse for thermal insulation. Internally divided in separate rooms for electrical equipment and transformer. Equipped with double condition system 2x24.000 Btu, lighting, emergency lighting, fire detection system.

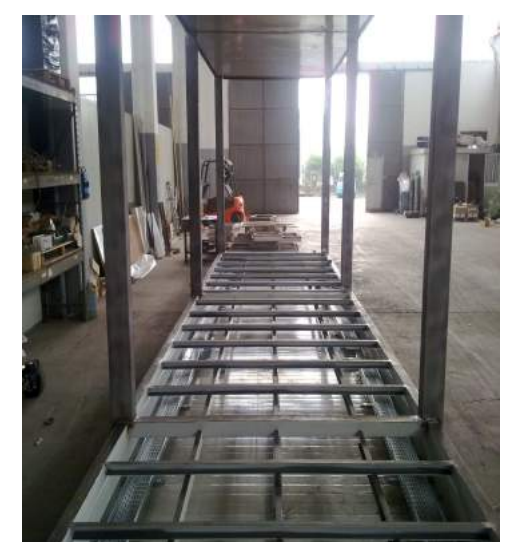
NR. 1 UNIT FINAL DESTINATION ALGERIAN MARKET THROUGH A FRENCH ENGINEERING COMPANY



Total length: 4,3 mt - Total wide: 2,5 mt - Total height: 3 mt - Max on load weight: 10.000 Kg

Shelter self-supporting type for loading electrical switchgear engineered for fire resistance 30 minutes (REI 30) Main structure by main beams and connection with opportune size according to the total weights of the installed equipment's, all the shelter side (roof, bottom under floor, and the 4 side) are protected with special sandwich panel type with thickness of 50 mm with wool of rock. Equipped with double condition system 2x12.000 Btu, lighting, emergency lighting, fire detection system.

NR. 1+1 UNTIS FINAL DESTINATION GERMAN MARKET THROUGH A FRENCH ENGINEERING COMPANY



1x Total length: 16 mt - Total wide: 3 mt - Total height: 3,6 mt - Max on load weight: 22.500 Kg

1x Total length: 9 mt - Total wide: 3,2 mt - Total height: 3,6 mt - Max on load weight: 17.500 Kg

Shelter self-supporting type for loading electrical switchgear engineered for fire resistance 30 minutes (REI 30) Main structure by main and connection beams with opportune size according to the total weights of the installed equipment's, all the shelter side (roof, bottom under floor, and the 4 side) are protected with special sandwich panel type with thickness of 50 mm with wool of rock. Equipped with double condition system, lighting, emergency lighting, fire detection system.

NR. 5 UNTIS SUBSTATION FINAL DESTINATION ALGERIAN MARKET THROUGH A FRENCH ENGINEERING COMPANY



5 x Total length: 6,5 mt - Total wide: 3 mt - Total height: 3 mt - Max on load weight: 8.500 Kg

Shelter self-supporting type for loading electrical switchgear and distribution transformer engineered for fire resistance 30 minutes. Main structure by main beams and connection with opportune size according to the total weights of the installed equipment's, Equipped with double condition system, lighting, emergency lighting, fire detection system.

NR. 1 UNIT FINAL DESTINATION FRENCH CIMENT PLANT THROUGH A FRENCH ENGINEERING COMPANY



1 x Total length: 10,5 mt - Total wide: 3 mt - Total height: 3 mt - Max on load weight: 7.500 Kg

Shelter self-supporting type for loading electrical low voltage switchgear engineered for fire resistance 60 minutes. Main structure by main and connection beams with opportune size according to the total weights of the installed equipment's, Equipped with double condition and over pressure system, lighting, emergency lighting.

SPECIAL SHELTER FOR TMB CONTROL CABINET



- 1 x Total length: 3,5 mt - Total wide: 2,5 mt - Total height: 2.2 mt - Max on load weight: 2.500 Kg**
- 2 x Total length: 2,3 mt - Total wide: 1 mt - Total height: 2.2 mt - Max on load weight: 1.500 Kg**
- 2 x Total length: 3,3 mt - Total wide: 1 mt - Total height: 2.2 mt - Max on load weight: 1.500 Kg**
- 4 x Total length: 4,3 mt - Total wide: 1,4 mt - Total height: 2.4 mt - Max on load weight: 2.000 Kg**
- 3 x Total length: 4,3 mt - Total wide: 1,4 mt - Total height: 2.4 mt - Max on load weight: 2.000 Kg**
- 1 x Total length: 5,6 mt - Total wide: 2,4 mt - Total height: 2.4 mt - Max on load weight: 2.700 Kg**
- 3 x Total length: 4,6 mt - Total wide: 2,2 mt - Total height: 2.4 mt - Max on load weight: 2.300 Kg**

Shelter self-supporting type for loading electrical low voltage automation control panel engineered according to the available reduced space. Main structure by main and connection beams with opportune size according to the total weights of the installed equipment's, Equipped with condition, lighting, emergency lighting.



info@seli-italia.com
www.seli-italia.com

SELI S.R.L. Società a socio unico

Via Rassano Sottano, 5/A - Fraz. San Lorenzo - 12016 Peveragno (CN) - ITALY

T +39 0171 383214 - F +39 0171 385104 - RIVA / C.F.: 03256430046

seli@legalmail.it - Num. REA 275665 CUNEO - Cap. Soc. 10.000 Euro i.v.

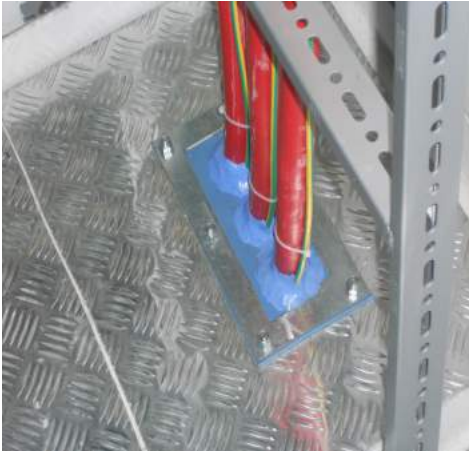
ISO 9001
BUREAU VERITAS
Certification



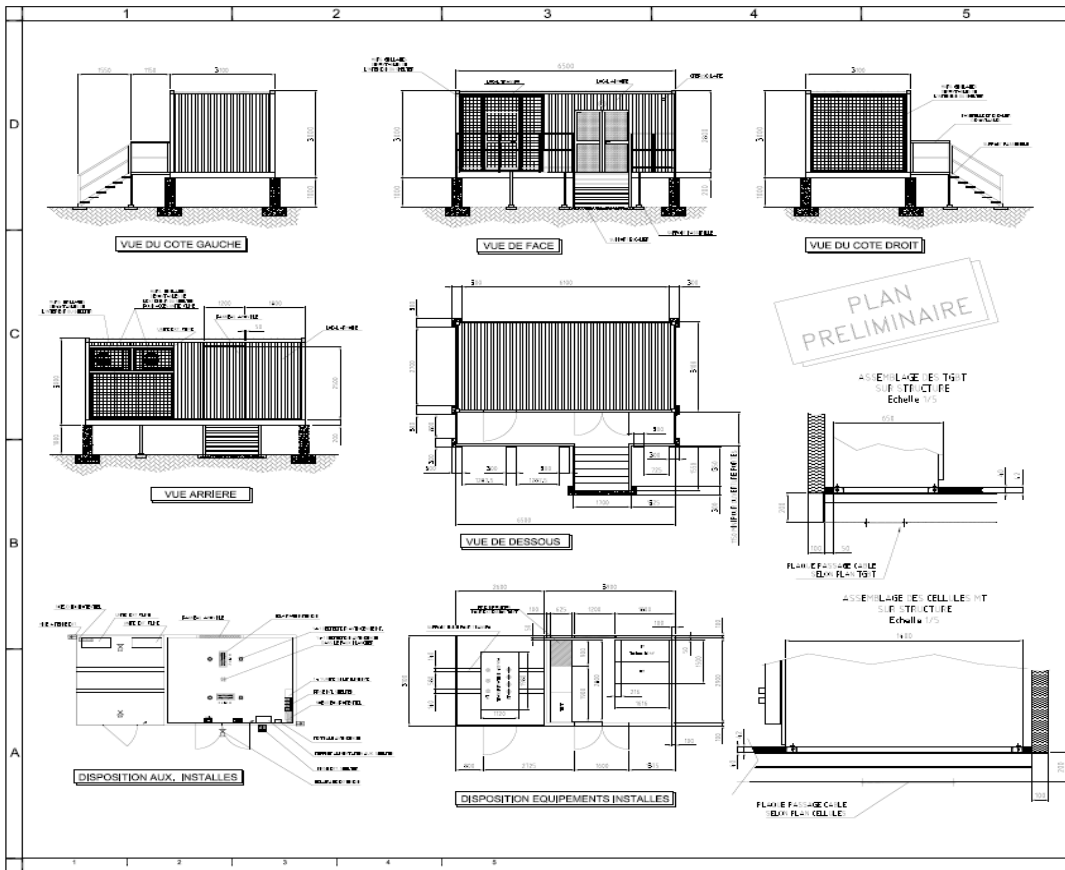
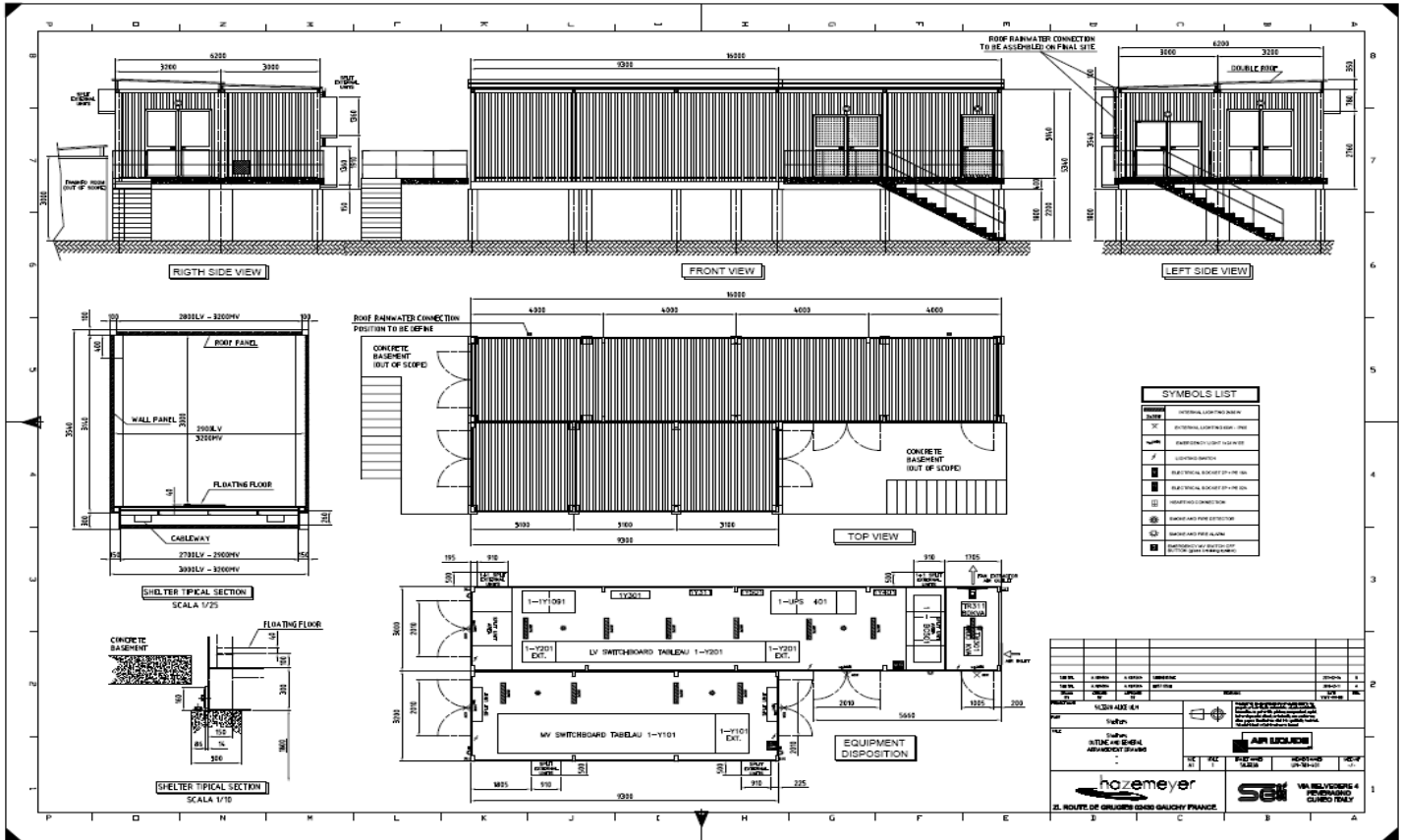
OTHER REALISATION FOR DIFFERENT FIELDS



SOME DETAILS OF THE INSTALLATIONS



SOME DETAILS OF THE INSTALLATIONS



hazemeyer 21, ROUTE DE GRIGUES 02430 GAUCHY FRANCE		APPROUVE ENTREPRENEUR Date: / / Echelle: 1:1 N° Projet: 050864/01 N° Dessin: 050864/01.G.001 Rev: 00
SELI 11, ROUTE DE GRIGUES 02430 GAUCHY FRANCE		APPROUVE CLIENT Date: / / Echelle: 1:1 N° Projet: 050864/01 N° Dessin: 050864/01.G.001 Rev: 00
Client: SONATRACH OHANET Projet: SOUS STATIONS ELECTRIQUES Plan general sous station SONATRACH OHANET CENTRE DE TAMADANET		

