

# ARCTIC SHELTER

- regardless of size, heat or cold

## 1 Application

*Industry -Infrastructure -Environmental Protection*

- ◆ Analyzer shelters
- ◆ Measuring and meter stations for environmental purposes
- ◆ Mobile telecommunications
- ◆ Radar and radio stations
- ◆ Motor control and switchgear stations
- ◆ Battery and rectifier housings
- ◆ Gas pressure regulation stations
- ◆ Safety shower

## 2 Advantages

- ◆ Heat insulation U-Value from 0,43 W/m<sup>2</sup>K / R13 to 0,2 W/m<sup>2</sup>K / R28
- ◆ Seamless wall or roof elements up to 6 x 3 m
- ◆ Variable wall thicknesses according to the client's specific requirements, e.g. with regards to fire protection, heat and cold insulation, sound protection etc.
- ◆ Variable wall materials, as for example GRP, stainless steel, aluminium, special surfaces (e.g. reduced surface resistance GO antistatic to avoid electrostatic charges according to EN IEC 60079-0) and customer-specific colours
- ◆ High static strength
- ◆ **Low total weight** enables installation in and on buildings and steel structures
- ◆ **Fully transportable**, can be equipped in the workshop and moved to site.
- ◆ **Customized** exactly to your request
- ◆ Full range of **accessories**, such as heating systems, ventilation, electric installation, lighting equipment, pipe and cable seals, mounting systems etc.
- ◆ Complete project management by INTERTEC from specification to three-dimensional CAD drawings.



## 3 The ARCTIC SHELTER System

ARCTIC SHELTERS are constructed of sandwich style elements with excellent insulation properties which are assembled to form a self-supporting shelter with high mechanical strength.

Wall panels and roofs are manufactured in one piece up to a size of approx. 12m \* 3m. In this way the number of joints can be reduced significantly, adding to overall strength and rigidity of the shelter.

The sandwich elements have a core of PU-foam and all edges are reinforced with high-density profile sections made of compact material.

The elements are joined together with screws and adhesive. The solid edge of the section enables a permanent connection, allows for installation of lifting lugs etc. and forms a rigid skeleton.

There is a wide range of wall thickness and wall panel arrangement to choose from. The shelter can be designed to meet difficult conditions such as wind and snow loads, high mechanical loads, resistance to earthquakes and extreme temperatures (desert or arctic conditions).

