



Unit for people transport in tunnel



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*Problematic:

The client is a company specialized in the study and realization of industrial equipment and mobile machinery.

She was to provide her client with two "Menrider" type people transport vehicles.

The vehicles must carry up to 16 people seated in a tunnel under construction. The passenger compartment must be watertight and pressurized to 25 Pa. It must have storage space for the transport of small equipment as well as an entrance stage for 2 peoples.

CNSE was asked to design and manufacture the cell to accommodate the staff to be placed then on the vehicle provided by the customer.

*Solution provided by CNSE:

CNSE supply: a self-supporting pressurized cell.

Base frame: K401

Overall dimensions: approx. 8m lengthx 1.3m width.

Structure: walls and roof in insulated sandwich panels, roof covered with a sheet of protection against falling objects.

Floor: anti-slip checkered sheet to resist shocks like pebbles

Handling: 4 articulated lifting eyes on top

The pressurized cell is divided into three parts:
a technical room equipped with two extractors THE mounted blowers and servo to allow automatic tilting in case of failure of the main unit or in case of loss of pressure.

a pressurized access stage allowing the reception of 2 peoples.

Doors equipped with inductive sensors to ensure their closure and handrails.

a main compartment equipped with 16 seats with mechanical damping and 14 seats separations.

Equipped with lighting and emergency stops, storage nets and fire extinguishers, 1 folding stretcher and 4 large projection bays.