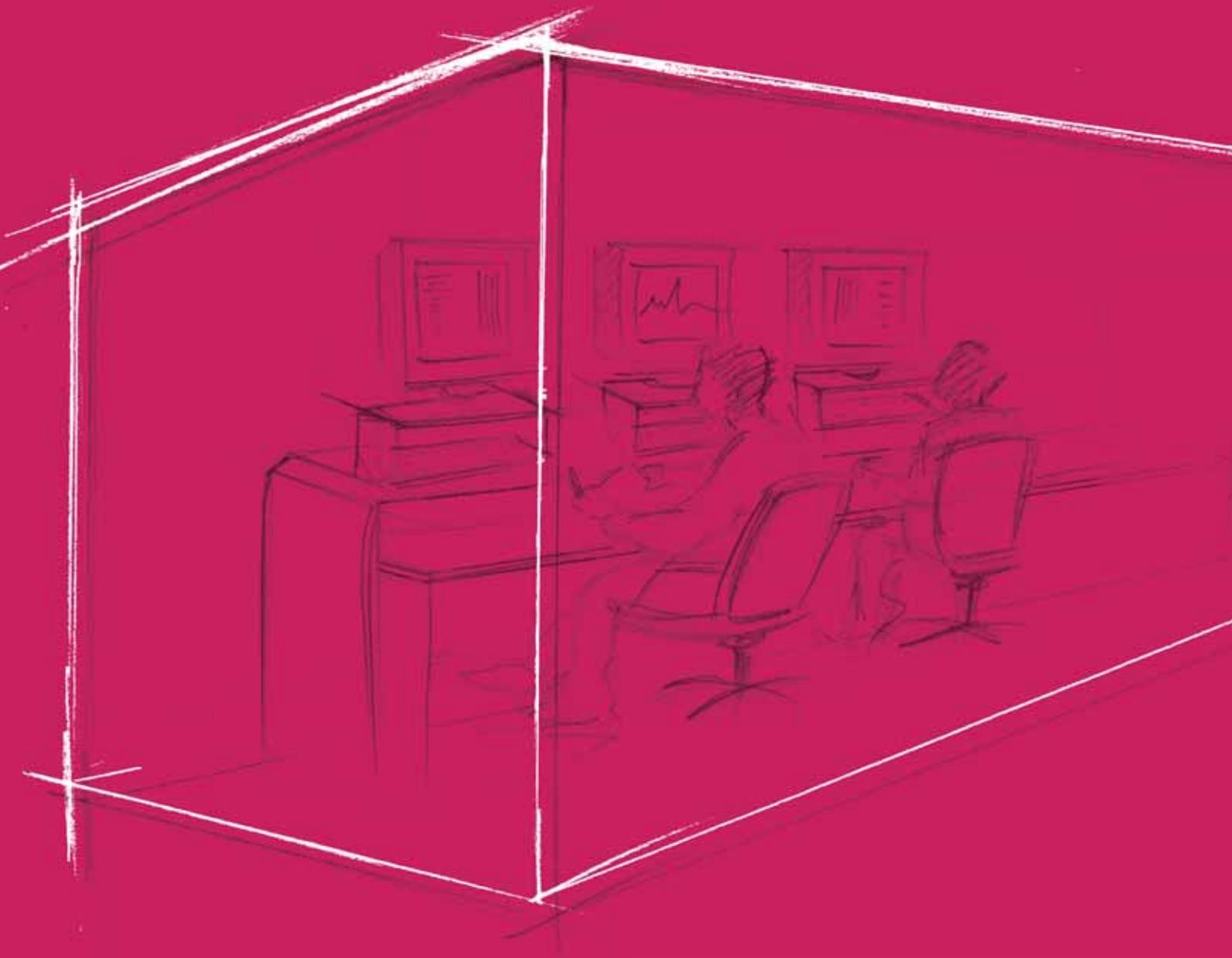




# shelters technical shelters

custom-made solutions for  
the protection of men and materials



IPM MONDIA  
creator of solutions



# quality and performance

Thanks to more than **30 years** of experience in the **manufacture** of technical shelters, IPM MONDIA advises you and provides the **technical solutions** you need to make your projects a success by offering you the guarantee of a specialist in **custom manufacturing**.



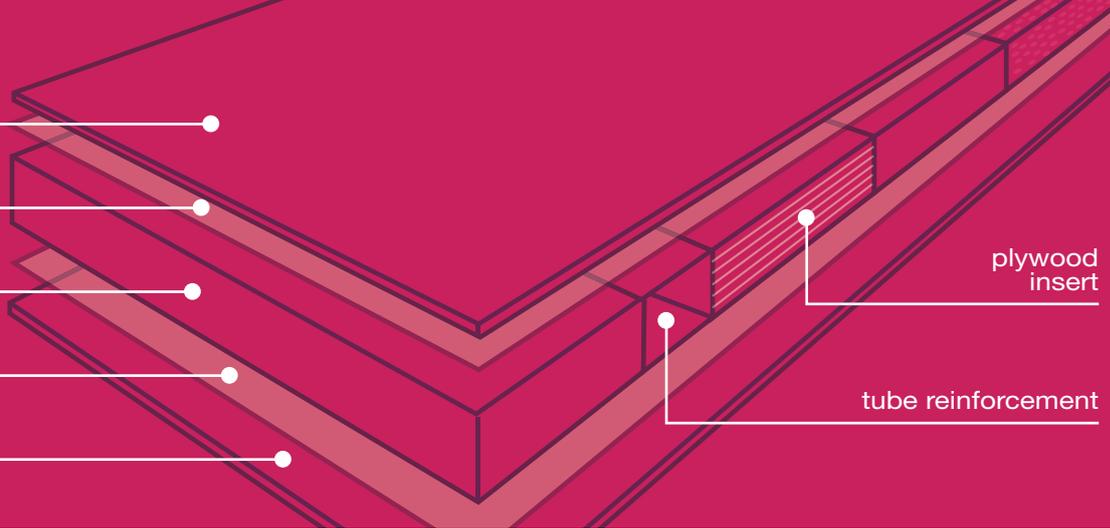
coating

adhesive film

core insulation

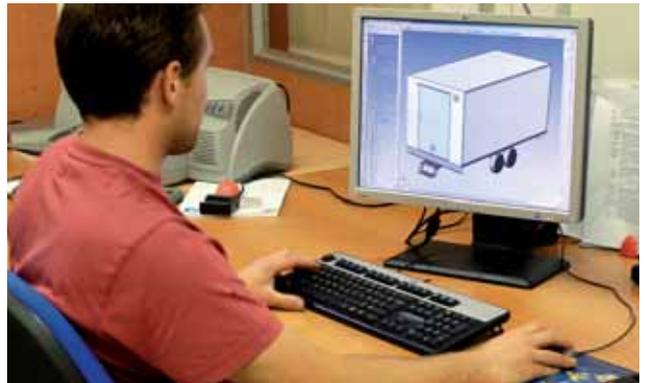
adhesive film

coating



## research & quality

- **Integrated research department CAD - CAM**
- **Quality control**  
ISO 9001 version 2000



## manufacture integration

- manufacturing unit of sandwich panels : possible external coating (polyester, aluminum or steel)
- workshop boiler making/sheet-iron works
- assembly workshop and finition
- integration of equipements



insulation installation



production center



welding



technical shelters in monolithic sandwich panels allowing the protection of men and materials in extreme conditions

Remarques :

## advantages

### reinforced thermal insulation

- heating and cooling efficiency (better output)
- no dewpoint (condensation)
- no thermal bridge

### lightness

no metal for a **diminution of weight** of 50%

### easy on-site installation

reduction in handling

### solidity and rigidity

self-supporting monolithic sandwich panels assembled by structural joining

### durability

- **longevity of the construction**  
from 2 to 3 times higher than that of a steel structure
- **resistance** to environmental agents

### minimum maintenance

- **washable materials**
- **graffitti resistant**



technical shelter



telecom

## sectors of application

### Army - Firemen

ATM - PC - medical - communications - kitchens  
base camps

### Highway

toll booths - routing- telecommunications

### Railways

guerites - caravans - bungalows

### Environment recycling

hopper - tunnels - checkpoints  
air treatment cabins

### Events logistics - Supply - ONG

base camps - mobile kitchens and sleeping facilities  
bathrooms - WCs - showers

### Engineering telecom-transmissions

Hertzian relays - guerites

### Engineering instrumentation

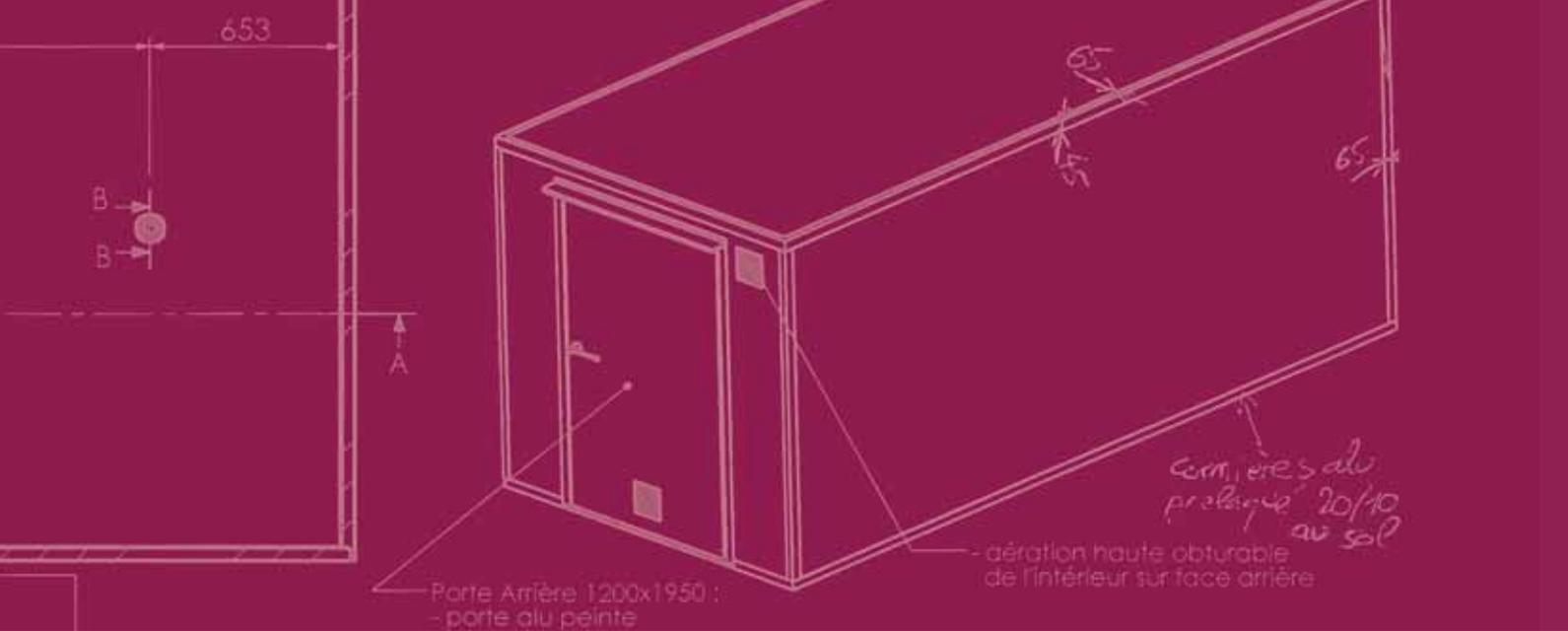
analysis shelters - environment

### Climatic engineering

ventilated shelters - air-conditioning - sterile rooms  
climatic chamber

### Medical and ancillary medical

modules for experiments - animalery - sterile rooms



routing



relay



air quality laboratory



mobile laboratory



guerite

## integration of constraints

- technical floor
- storage support
- water
- electricity
- air-conditioning
- ventilation
- VMC
- furniture



mixed structure  
concrete sandwich

# shelters high protection

technical shelters for the protection of men and materials under extreme conditions, answering :

- to naval and petroleum industry standards,
- to electromagnetic conventions (CEM)

## characteristics

### environmental hazards

- fire
- explosions (blast proof)
- impacts
- vibrations
- shocks
- pressure
- earthquakes
- chemicals
- inclement weather
- intrusions

### insulation

- thermal
- electromagnetic
- acoustic

## sectors of application

### Gas or oil refinery

### Oil : fielding and foraging

- technical premises : mudlogging cabins  
shelters analysis
- base camps : kitchens and rooms - sleeping facilities

### Electric engineering

cabins : control

### Engineering energy -maintenance

generators - compressors - pumps

### Engineering instrumentation

shelters analysis - environment

## integration of constraints

- electric
- shielding
- bathroom/wcs
- air-conditioning
- filtration
- ventilation
- VMC
- detection fire
- pressurization
- certification
- furniture



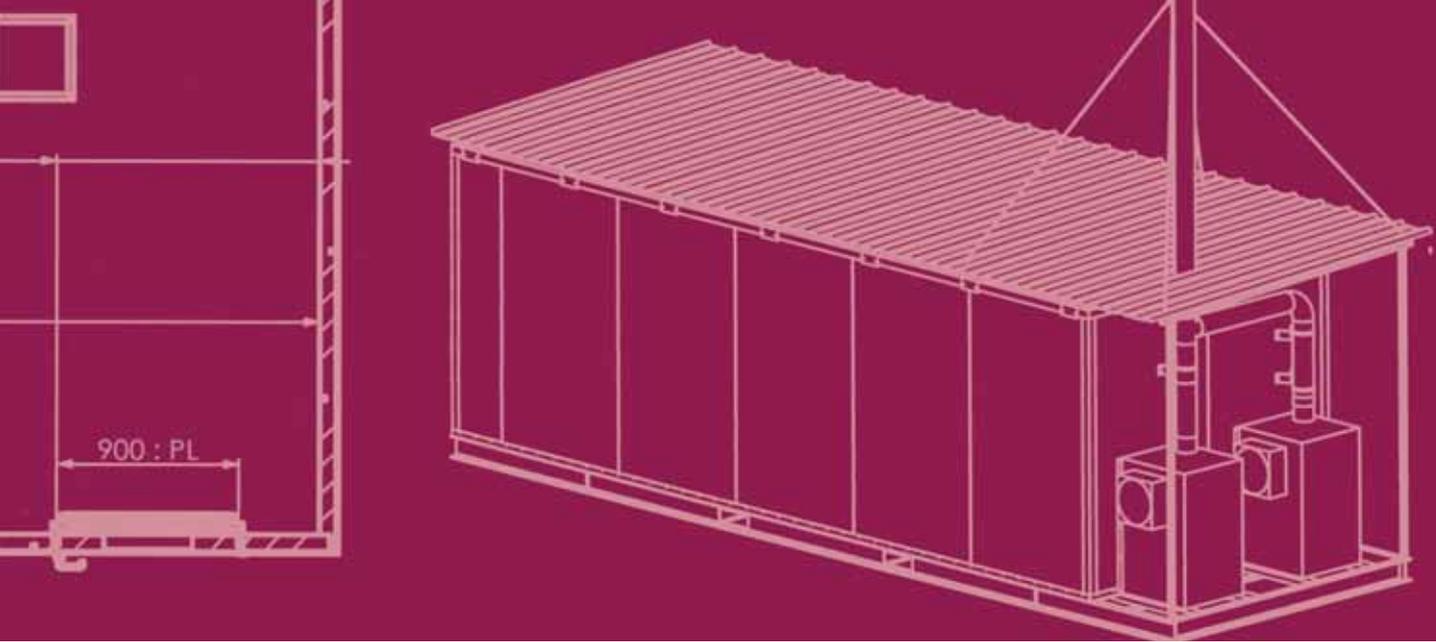
CEM cabin



ATM



shelter analysis



**Highways**  
tollbooths  
large armor-plated cabins



electric shelters



hooks for sling attachment



furniture



air extraction



muddlogging cabins (drilling)



opening



ventilation



[www.ipm-mondia.com](http://www.ipm-mondia.com)

Route de Fleurville - 01190 PONT-DE-VAUX  
Tél. +33 (0) 385 368 020 - Fax. +33 (0) 385 368 025  
e-mail : [contact@ipm-mondia.com](mailto:contact@ipm-mondia.com)