



# CONTAINERS

FOR GENERATOR SETS

10ft | 20ft | 40ft



## Quality and Robustness. The best protection for your generator set.

Container dimensions	L (mm)	W (mm)	H (mm)
10 feet	2,991	2,438	2,591
20 feet	6,058	2,438	2,591
20 feet HC	6,058	2,438	2,896
40 feet HC	12,192	2,438	2,896

### TRANSPORTABILITY

20-foot and 40-foot ISO marine containers specifically modified to accommodate each genset model.

CSC plate for maritime transport, complying with the safety requirements of the International Convention for Safe Containers.

### QUALITY AND SAFETY

- Resistant and quality locks with stainless steel bolts and hinges, added to the base container.
- Quality welding by certified personnel.
- Non-slip floor.
- Internal electrical pre-installations to the container wall.
- Containers with sealed soils to avoid any loss of liquids in the engine-alternator zone. (Optional).



### RESISTANCE TO EXTREME TEMPERATURES

- Designed for a maximum ambient temperature of 40°C. Optional up to 50°C.
- Resistant to rain.
- Specially treated with polyurethane paint
- Optional items available for adverse environmental conditions:
  - Heaters in the engine - alternator compartment.
  - Special "snow hood" outlets.
  - Sand traps.
  - Motorised blades at the air inlets and outlets.
  - Painting process includes a special resistance to corrosion in coastal environments.



### MULTIPLE AND WIDE ACCESSES

### FLEXIBLE AND CUSTOMISABLE DESIGN

Not only can HIMOINSA containers be used to house generator sets, they can also house transformer stations, control and protection rooms for medium-voltage plants, etc.



- |                            |                            |
|----------------------------|----------------------------|
| 1 PEDESTRIAN SIDE DOORS    | 5 OPENING FOR CABLE OUTLET |
| 2 ACCESS TO CONTROL PANELS | 6 OUTER COVER FOR COOLANT  |
| 3 VISIBLE CONTROL UNIT     | 7 GROUNDING POINTS (X4)    |



# EQUIPMENT

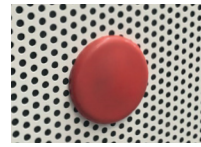
## Reference projects



### Safety



**EMERGENCY STOP**  
Emergency stops located on both sides of the container and on the control panel.



**ANTI-PANIC BUTTONS**  
To open "anti-panic" doors inside the container.



**GROUNDING**  
All metallic elements are grounded, and the container is fitted with connection points to the grounding rod at the 4 lower corners.



**SMOKE AND FIRE**  
Smoke detection and fire extinction system. (Optional)

**REFUELLING**

- 20-foot containers have 1,000-L built-in tanks and 40-foot containers have 2,000-L tanks.
- External refuelling.
- Quick connectors for external tanks. Supplied as standard with a 3-way valve kit.

**INTERIOR LIGHTING**

All containers have either DC or AC powered lighting, depending on the application. They also have internal installations on the container wall.



**INSULATING MATERIAL**

50mm high-density, fire-resistant rock wool protected by perforated sheet metal.

**WATERTIGHTNESS**

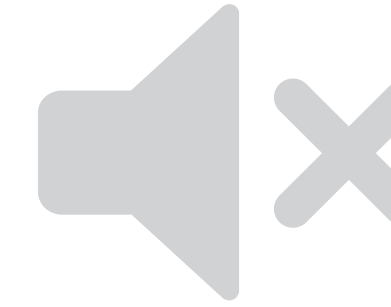
Sealed watertight containers to avoid any loss of liquids. Optional.

**TOP AIR OUTLET**

Improves the perception of noise and reduces the space required for the installation. (Exception: MTU 20' | 900-1270kVA)

**EXHAUST MUFFLER**

Residential grade silencer installed inside the container. Standard in all models.



### OPTIONAL ITEMS FOR EXTRA SOUNDPROOFING

- 100mm rock wool
- Polyurethane foam on container floor
- Radiators fitted with a variable speed electric fan help to reduce fuel consumption
- A critical grade silencer with exhaust abatement of more than 40 dB, can be installed in the exterior

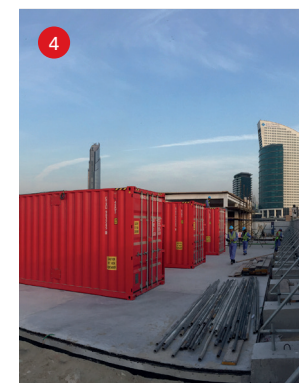
### 1 10' CONTAINERS

Power Cube generator set models have provided mobile power at the Dakar Rally and at outdoor concerts in Argentina and Chile.



### 2 40' TROPICALISED

Containers designed to house generator sets powered by associated gas in the Ecuadorian Amazon. With special ventilation and IP34 protection (antiparticles and water ingress), fire, ATEX gas leakage and vibration sensors. Prepared to withstand high temperature and humidity values.



### 3 MEDIUM-VOLTAGE POWER PLANT

40' container to house medium-voltage switchgear and a SCADA that integrates all the systems of a power plant in the Philippines.

### 4 DUBAI FESTIVAL CITY

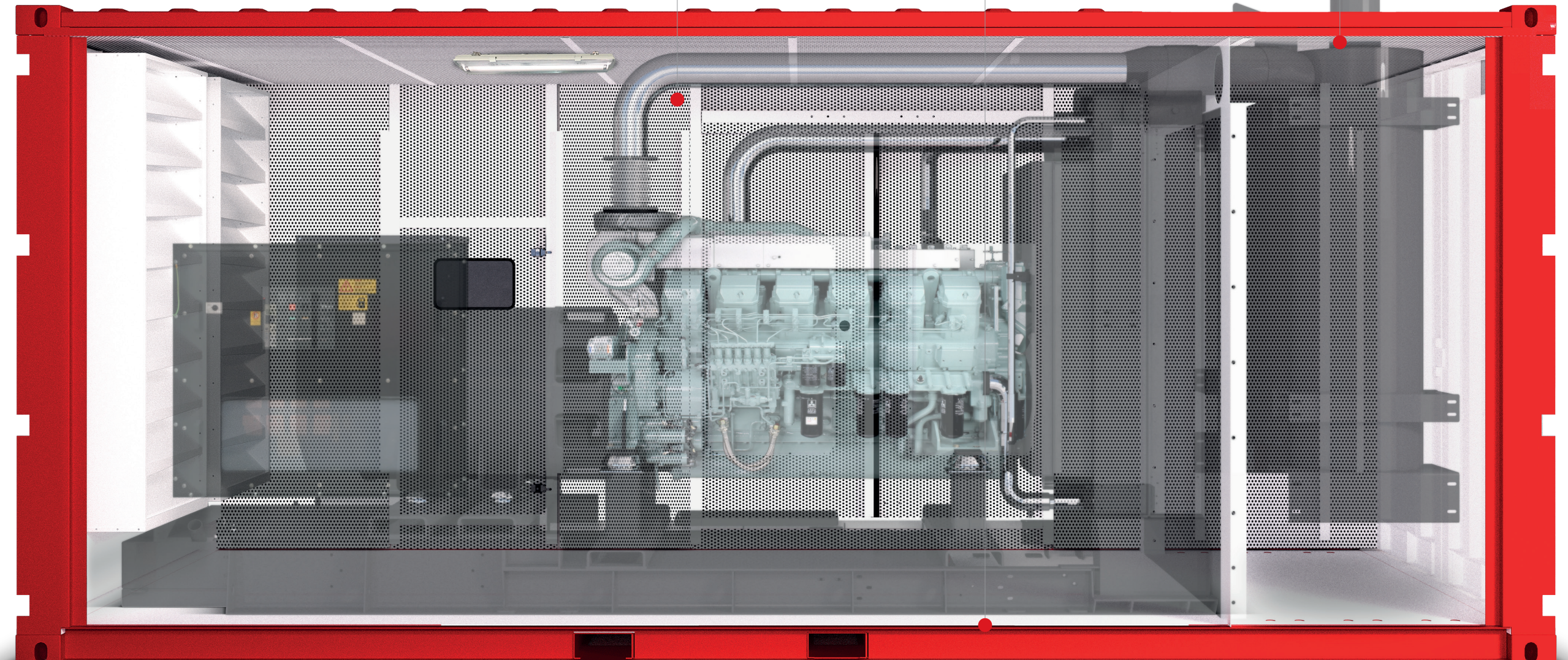
HIMOINSA containers have made it possible to optimise logistics, reduce on-site work to a minimum and shorten the installation times needed to supply power to the 48 water pumps that activate the fountains that feature in the show.

### AIR INLETS

-Noise traps at the air intakes, and slats designed to prevent rain from getting in, ensuring that any retained excess water stays outside.  
-Protective grid to prevent the entry of birds or other vermin.

### ACCESSIBLE PANELS

Electrical panels specially designed to be installed on the side of the container, and accessible via a small independent door.



This illustration is only an indicative graphic representation. It does not correspond to any particular model and should not be taken as a real reference.



#### LATEST TECHNOLOGY

HIMOINSA containers are designed and manufactured in facilities equipped with the latest technology; laser cutting, bending, automated welding machinery. Its painting system makes it one of the highest quality products in the market with a C5-M finish level. (Optional)

#### 1 LASER CUTTING

Precision cutting and maximum use of the material.

- DD11-EN1011:2008 steel plate
- Cutting capacity up to 25 mm thickness
- Capacity to handle solid plates of 8000 X 2500 mm

#### 2 QUALITY FINISHES

Ability to work with large plates to achieve a better finish and to endow the material with greater strength, avoiding unnecessary cuts and welds.

#### 3 WELDING

Automatic welding machines and collaborative robots that guarantee precise welding, providing an excellent finished product.

- MIG/MAG, pulsed arc, electrode welding
- Fast welding unit

#### 4 AUTOMATED BENDING

Automatic bending machines with capacity to work in tandem for large plates.

- Length capacity up to 8300 mm
- 500 ton bending capacity
- "Dual arm" technology

#### 5 PROCESS OPTIMISATION

A 45 x 5 x 3.5 meter gantry, equipped with a robot for plasma cutting and MIG and pulsed arc welding, capable of working with containers of up to 40'.

#### 6 HIGH QUALITY RESISTANT PAINT

- Special application at 75 °C with a WIWA Airless system
- Anti-corrosion optional treatment for coastal environments:
  - Two-component epoxy priming with high zinc powder content
  - Cleaning of top, sides and bottoms with a degreasing solvent
  - Washing and passivation treatment
  - Liquid application on the surface
  - 200 micrometre primer, treatment and paint thickness (Tolerance = ± 10%)

## DESIGN AND MANUFACTURE.

Applied technology and robotics guaranteeing the highest level of precision and quality.





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