



# Containerised solutions

Customised solutions



## The solution for

- > Specific electrical constraints
- > Harsh environments
- > EMC constraints
- > Restricted access areas

## A fully tailored solution

The power solution in container is a complete environment infrastructure installed between the main substation and the plant to be supplied.

It incorporates:

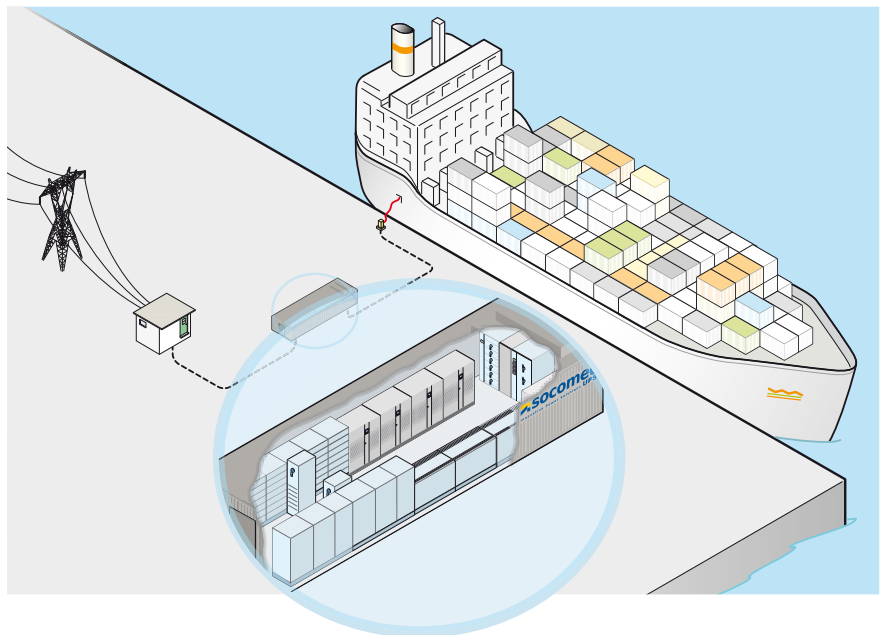
- UPS system,
- energy storage (batteries and/or flywheel),
- input and output distribution panel,
- cooling system,
- fire protection,
- battery monitoring,
- access control,
- other equipment according to customer's project,

It is configured according to the requirements of the national electricity grid.

## An eco-environment-friendly solution

Being active in helping to preserve natural resources, SOCOMEC is fully committed to minimising the impact on the environment. By taking the place of the on-board auxiliary engines (e.g. ships in the loading deck), the shore-to-ship power solution in container reduces the toxic emissions produced by vessel diesel engines (CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>) and meets EU directives related to the control of emissions while the ships are docked.

## Example of application: shore-to-ship power



# UPS systems for railway infrastructure

In rail infrastructure, the ready availability of a quality energy supply is an essential factor for reliable electrical facilities as well as for the safety of passengers and operators.

At Socomec we understand the unique and rapidly changing demands of rail operating environments; we have engineered the latest power solutions to ensure that your systems deliver optimum performance today - and tomorrow.

## The most advanced UPS systems for railway applications

MASTERYS IP+ Rail range provides the very latest UPS technology for the mass transportation sector. Housed in a compact, robust, steel-framed enclosure, the system has IP31 or IP52 ingress protection as well as anti-corrosion tropicalised circuit boards: this system will operate where conductive dust or dripping water may be present. The electromagnetic disturbance immunity level is double that required by European EMC standards and has been independently tested and certified to pass EN 50121-4 and 5. Furthermore, low smoke, zero halogen cables are fitted as standard. Mastersys IP+ Rail can be installed in enclosures or containers where space is at a premium. The units can be paralleled up to 6 units for high availability, scalable power.



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### The solution for

- > Railway signalling equipment and substations

### The UPS solution

- > MASTERYS IP+ Rail
- > OLI Overhead Line Infrastructure solution with Mastersys IP+ Rail

### Product acceptance



- > Certificate of acceptance PA 05/05998

# UPS systems for securing medical equipment

Medical equipment is becoming increasingly sophisticated as it keeps up with medical and technology advances for better treatment of diseases. The hospital has to ensure the optimum operation of such sensitive and mission-critical equipment.

The availability of a reliable electrical power supply is vital to ensure the continuity of care. Power failures of any duration that can lead to critical situations are unacceptable.

## Socomec and medical imaging

The availability of medical imaging equipment is essential for the hospital's efficiency and productivity. The power supply of this equipment is particularly demanding: strong inrush currents, pulse streams, etc.

The solutions providing power for medical

imaging equipment must meet special electrical characteristics to ensure their proper operation. Socomec has developed its expertise through its partnership with Philips Medical, developing UPS solutions for protecting your imaging equipment (MRI, X-ray, CT Scanners, etc.).



### The solution for

- > X-ray devices
- > CT scanners
- > MRI scanners
- > Angiography
- > Ultrasound equipment
- > Etc.

### The UPS solution

- > MASTERYS GP
- > DELPHYS MP elite
- > DELPHYS MX