

INDUSTRIAL BROCHURE



Manufacturing • Marine/Petrochemical  
• Transportation • Utilities

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Products, Services & Capabilities

**Features**

- Single and Three Phase AC UPS
- Custom DC UPS Solutions
- DC Trippers, Chargers, Converters, Inverters and Power Supplies
- Free Standing or Wall Mount Custom IP54 Enclosures
- Customised Ruggedised with Anti-Vibration Mounts
- Extended Runtime Battery Cubicles
- Full Project Management Service available





## Manufacturing

Harland Simon systems are installed in Industrial and Manufacturing sites all over the world providing backup for critical loads and saving sensitive production processes and systems from costly downtime.

Harland Simon has designed a range of AC & DC UPS Solutions tailored for manufacturing applications. These products have been designed to fit into customer's existing control panels or have been supplied within IP54 Wall, Floor or 19" Panels according to the customer's exact requirements. These UPS range from a few VA or Amps to several hundred kVA with battery autonomies from 5 minutes to 24+ hours. Other IP ratings are available.

Systems are often installed in locations with extreme environments. Factors such as temperature extremes, dirt, dust and moisture make it difficult for a UPS designed for an office or clean room to provide adequate protection. Harland Simon provide Plant and Facility Managers with reliable power backup solutions and low Mean Time To Repair (MTTR) plus cost effective protection of their critical processes.

- Single and Three Phase AC UPS up to 500kVA +
- 12 to 240V DC UPS Systems in 19" Chassis, Wall or Floor Enclosures
- DC Trippers, Chargers, Converters, Inverters and Power Supplies
- Free Standing or Wall Mount Custom IP54 Enclosures
- 19" Rack Mount Systems including UPS, Charger, Batteries and Distribution
- Extended Runtime Battery Solutions up to and beyond 24 hours
- Remote Monitoring Options including VFC and WEB/SNMP



## Marine

UPS Systems for Marine and Offshore applications have to be able to provide Critical Emergency Power in the toughest of conditions. It is in these potentially corrosive, humid environments with extreme temperatures and vibration and often in remote locations that reliability and ease of maintenance is critical. For these types of applications Harland Simon offer a comprehensive range of Rugged Marine products approved, designed and tested to meet the harsh environment requirements. Products can be certified by Lloyds, DNV, ABS and others and are of hardened mechanical design (ruggedised) typically fitted with anti-vibration mounts and protected to IP22 although higher IP ratings are available. Larger systems may also include special batteries fitted on Seismic Offshore Racks. In addition we are able to offer Worldwide Support.

There are many Marine applications but typically include providing Uninterruptible Clean Power for Emergency Lighting, Navigation Equipment, Radio, Telecom and Satcom, Computer Systems and Networks, Emergency PA, Waterproof Doors, Dynamic Positioning Systems and Automatic Systems.

- Single and Three Phase Marinised AC UPS
- Custom DC UPS Solutions
- DC Trippers, Chargers, Inverters and Power Supplies
- Customised Rugged Products
- Certification to Lloyds, DNV or ABS
- AVM and High IP Rating
- Remote Monitoring





## Transport

Harland Simon offers a comprehensive range of products suitable for transport applications including rail, road, air and sea. We select products from our supplier partners that are best suited for specific applications ranging from standard COTS Rack AC UPS, Rugged Chargers and Inverters to Marine Approved UPS Systems. We support our customer's in design and trials to ensure the product we supply and support are fit for purpose in these harsh applications. Reliability is critical and the stringent international standards applied in the rail industry can require specially designed batteries that withstand demanding environmental conditions such as wide variations in temperature (-20°C to +45°C), heavy vibration and general physical and electrical abuse.

Harland Simon Power BackUp solutions are used in a variety of applications in the transport sector including Tunnel Lighting, Tunnel Ventilation Systems, Communication Systems, Traffic Lights, Track Switching, Signalling, Station Emergency Lighting and Fixed Power Installations for Trackside Services to name a few.

- Extended Runtime Battery Cubicles
- DC Power Solutions including Chargers and Power Supplies
- Complete 19" Rack Mount UPS Systems
- High IP Rated Enclosure including Outdoor Use
- Durable Rugged AC & DC UPS Solutions
- Longlife, Minimum Maintenance Solutions
- Full Project Management Service available



## Utilities

Harland Simon Design, Supply and Manufacture a range of products specially for applications within the Gas, Electricity, Water and Sewage industries. These products comply with the various detailed customer specifications pertaining to Ingress Protection, Construction, Connectivity, Distribution, Build Standards, Quality, Reliability and Availability. Products include: DC Tripping and Closing Charger/Power Supplies, AC UPS, Industrial Chargers and Batteries, Inverters, Power Conditioners and Frequency Converters, all of which can be housed within High Ingress Protection Enclosures.

UPS systems in the Utilities sector are often located in remote locations in harsh conditions and extremes of temperature. Often these systems have to provide Emergency Power to operate pumps or valve actuators to open/close sluice gates. Other applications include providing BackUp Power to PLC's, Instrumentation, Communications and Telemetry from anything from a few minutes up to and sometimes longer than 24 hours. Harland Simon systems are used in Water and Sewage Treatment Works, Gas and Electricity Station Control Rooms, Hydro-electric Stations and increasingly in applications for renewable energy such as Wind Power.

- Single and Three Phase AC or DC UPS systems up to 500kVA +
- Battery Cubicles and 19" Rack systems for longer Autonomy (>24hrs)
- Full Turnkey UPS systems in Free Standing or Wall Mount IP54 Enclosures
- Panel Mounting Loose Battery systems including Charger Tray



Harland Simon is a leading independent supplier of Power and Service Solutions

As well as our own product portfolio which includes AC and DC Power Solutions, Generators, Inverters/Converters, Extended Runtime Battery Pack Solutions, IP54 Enclosures and Bypass Systems, we are also able to supply UPS products from the following Manufacturers: Ablerex, Alpha Technologies, APC, Chloride, Eaton, Nova Electric, Riello UPS and Technology Dynamics Inc.

UPS products are available from 300VA - 800kVA  
Diesel Generator sets from 5kVA - 3000kVA



Harland Simon caters for all Market Sectors, divided into four main categories;  
COMMERCIAL: Building Services, Comms/IT, Site Services & UPS Partnerships  
DEFENCE: Air, Land, Sea and Joint Services  
INDUSTRY: Manufacturing, Marine/Petrochemical, Transportation and Utilities  
PUBLIC SECTOR: Education, Government, Health and Services

We offer a comprehensive range of capabilities including: Customised and Bespoke Products, Pre-Sales Support, CAD Design and Engineering, Project Management, Project Specific Documentation, Factory and Site Testing, Site Installation, Service and Maintenance Plans



Harland Simon offer free site surveys for any application and our technical capabilities cover from initial design to life of product support

Harland Simon are able to offer standard or custom built solutions to meet customer detailed specifications

Harland Simon undertake full site installations including method statements and risk assessments. This along with site commissioning, Harland Simon offer full turnkey packages as required

All of the above mentioned services are offered on a nationwide basis via trained engineers

Harland Simon is ISO9001:2000 certified



harland simon  
power solutions



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