

Harland Simon Reference Site List

Revision Number 02 -12



Commercial

Building Services

Communications/IT

Site Services

UPS Partnerships



Defence

Air

Land

Sea

Joint Services



Industrial

Manufacturing

Marine/Petrochemical

Transportation

Utilities



Public Sector

Education

Government

Health

Services





[Index](#)

Commercial

 [Back to Front Page](#)

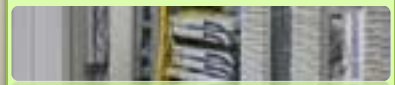
Building Services

Tech Mahindra
PPI Engineering
FW Marsh Ltd
Briggs & Forrester



Comms/IT

British Telecom
Distec
Nestor Healthcall
Stratus Computer Technologies
PCMS Group
Initial
Optilan UK
Chubb
PCMS Group
Nissan
Broadcast Sound
JP Power
ATG Airports
SKS Ireland
Advantex
Daisy Telecom
Aquila
EA Tech
Tait Europe
Mars
Lucite
Technology Solutions



Site Services

Bookers Cash & Carry
Tech Mahindra



UPS Partnerships

Master Power
Chloride
Eaton
PDS
CPP
Emerson Liebert
Riello
Progress Plant



continued...



Index 2

Commercial

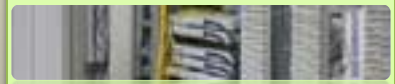
 [Back to Front Page](#)

Building Services



Comms/IT

Tait
Chubb/Moffat
Broughton Printers
Tyco



Site Services



UPS Partnerships



[...previous](#)

REFERENCE SITE LIST



Back to Index



Back to Front Page

Building Services



Job Title/Customer	Job Number	Type of Installation	Case Study
Tech Mahindra – UK Head Office	BO5605	Supply, deliver and commission 30kVA N+1 UPS System	
PPI Engineering	BO6412	Supply 110v DC Tripper	
FW Marsh Ltd	BO6664	Supply 10kVA Riello UPS	
Briggs & Forrester	BO6676	Supply 160kVA/20 mins & Bypass	
GR Bailey	BO7077	Supply 30kVA UPS for Aintree Hospital	

DESCRIPTION



Back to Building
Services List

Building Services



Back to Front Page

- | | | | |
|---|---|---------------|----------|
| ➤ | Tech Mahindra (UK Head Office) | BO5605 | |
| | Dual Redundant N+1 30kVA/1 hour PW9355 UPS | <£50K | 2007 |
| | 60kVA/7 mins PW9390 UPS | <£50K | 2008 |
| | <p>In 2007 Harland Simon were awarded the contract to supply an N+1 30kVA Powerware 9355 UPS system to support Tech Mahindra's main data centre.
Site services included the specialised delivery and on-site battery rebuild, specified to site constraints and the commissioning.
In addition, we were also awarded the maintenance contract for the UPS system.
In 2008 we supplied a 60kV UPS to support office equipment.</p> | | |
| ➤ | PPI Engineering | BO6412 | |
| | 110v DC Tripper | <£10K | Jan 2009 |
| | <p>PPI needed a cost effective 110v Tripper for their end client – National Grid in Gibraltar for their Substation Tripping.</p> | | |
| ➤ | FW Marsh Ltd | BO6664 | |
| | 10kVA UPS | <£10K | Jul 2009 |
| | <p>10kVA Riello UPS for Parkhurst Prison</p> | | |
| ➤ | Briggs & Forrester | BO6676 | |
| | 160kVA / 20 mins & Bypass | <£50K | Aug 2009 |
| | <p>160kVA / 20 mins & bypass for the Four Seasons Hotel, Park Lane</p> | | |

continued...

DESCRIPTION



Back to Building
Services List

Building Services



Back to Front Page

➤ **GR Bailey** **BO7077**
30kVA UPS for Aintree Hospital **<£10K** **May 2010**

Harland Simon, through a local electrical contractor, GR Bailey, were awarded the order to supply and commission a new 30kVA Riello UPS for a new server room.

The MLT 30 was chosen as it complied with the specification provided including high operating efficiency, low THDi<3% and Input Power Factor 0.99.

REFERENCE SITE LIST





Back to Index



Back to Front Page

Comms/IT



Job Title/Customer	Job Number	Type of Installation	Case Study
British Telecom (BT)	BO4448	Supply AC UPS with Extended Runtime Battery Pack for 1-7 hr applications	
DISTEC	BO4846	Design of Power Section fitted with Mobile Power Carts	
Nestor Healthcall – Birmingham	BO5081	Supply of 20+ UPS & Generator Systems over a 5 year period	
Stratus Computer Technologies	BO5291	Supply 4 x 10kVA N+1 AC UPS for delivery to South Africa	
PCMS Group	BO5422	Supply, Installation and Commissioning of 160kVA UPS System	
Initial	BO5373	Supply Custom Built DC UPS	
Optilan UK	BO5339	Supply 14 x Dual DC Systems	
Chubb	BO6203	Supply 3kVA UPS & 3 hour Battery Packs for BNFL	
PCMS Group	BO6231	Supply 30kVA UPS	
Nissan	BO6254	Supply 80kVA Riello UPS	
Broadcast Sound	BO6340	Supply DSM 48/8 Charger plus Batteries	
JP Power	BO6378	Supply 24v DC Marine Charger	
ATG Airports	BO6387	Supply 9 x PW9130, 5 x 700VA, 4 x 1kVA UPS	
Optilan UK	BO6474	Supply 3 x DC 19" Rack UPS System & Batteries/450W/12 hours	
ATG Airports	BO6569	Supply 7 x PW9130	
SKS Ireland	BO6593	5 x DSM Chargers	

continued...

REFERENCE SITE LIST



Back to Index



Back to Front Page

Comms/IT



Job Title/Customer	Job Number	Type of Installation	Case Study
Advantex	BO6615/6631	Supply 20kVA & 30kVA / 2 hours MDT UPS	
Daisy Telecom	BO6636/6637	Pulsar M5000 & Pulsar M RT 3kVA rack UPS	
Aquila	BO6643	Rugged rack UPS for mobile and ship application	
ATG Airports	BO6678/6683	Supply 4 x PW9130 (1 x 1kVA & 3 x 2kVA), 4 x PW9130/700, 3 x PW9130/2000T	
EA Tech	BO6747	Supply FXM1100 and Batteries	
Optilan	BO6797	Supply Inverters for Wind Farm	
Advantex	BO6848	Supply 2 x 10kVA / 4 hours UPS	
Optilan	BO6896	Supply DC UPS and Batteries	
Daisy Telecom	BO6921	Supply 3 x Eaton UPS	
Chubb	BO7116/7	16 x Eaton EX220 + Batteries for CCTV	
Optilan	BO7118	7 Systems x XI3000N + XI/BMX	
Chubb Integrated Technologies	BO7164	3 x EX RT 7kVA & 15 x Battery Packs	
Mars	BO7270	4 x Riello 20kVA Multiplus	
Lucite	BO7319	1 x MLT 40kVA & Battery Cubicle	
Technology Solutions	BO7422	1 x 15kVA UPS + 2 x 1.5kVA and extra battery pack	
Tait	BO7517	17 x 19" 1U Custom Power Supplies	

...previous

continued...

REFERENCE SITE LIST



Back to Index



Back to Front Page

Comms/IT



Job Title/Customer	Job Number	Type of Installation	Case Study
Tait Communications	BO7517	Supply 17 x 19" Rack PSU Units	
Broughton Printers	BO7663	Supply and commission 160kVA Riello UPS	
Chubb/Moffat	Multiple	Supply various UPS for CNI National Grid Sites	
Tyco	BO7888	Design and manufacture 24vDC PSU/Charger system	

...previous

DESCRIPTION

 [Back to Comms/IT List](#)

Comms/IT



 [Back to Front Page](#)

- **British Telecom (BT)** **BO4448**
- | | | |
|--------------------|--------|-------|
| 25+ Battery Packs | <£100K | 1998+ |
| 200+ Modifications | >£100K | 2003+ |
- Eaton Powerware are the nominated approved supplier to supply AC UPS Systems to BT.
Eaton have nominated Harland Simon as their Power Partner to supply Extended Runtime Battery Packs for 1, 2, 4 & 7 hour applications.
In 2003, we were also awarded the 3 year contract to modify the standard PW9120 UPS to include filters, UK connectors, etc. We now have a production unit for BT in which we modify 50-100 systems per month.
- **DISTEC** **BO4846**
- | | | |
|------------------------|--------|-------|
| 50+ Mobile Power Carts | <£100K | 2006 |
| Extended Warranty | <£10K | 2006+ |
- Harland Simon designed the Power Section to fit within the Mobile Power Cart for use on NHS wards to enable bedside access to patient records via a networked computer.
- **[Nestor Healthcall – Birmingham](#)** **BO5081**
- | | | |
|-------------------------|--------|-------------|
| 2 x 100kVA AC UPS | >£100K | 2003 |
| 2 x 300kVA Generators | >£100K | 2003 |
| 10 x AC UPS & Batteries | >£100K | 1998 - 2004 |
- Harland Simon UPS was awarded a contract to supply two dual redundant 100kVA UPS systems and a 300kVA Diesel Generators for Nestor's new national call centres in Birmingham and Sheffield.

continued...

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

- **Stratus Computer Technologies** **BO5291**
4 x 10kVA N+1 AC UPS Systems <£50K 2006
Harland Simon rapidly supplied 4 x 10kVA Single Phase AC UPS Systems for delivery to the client's warehouse in order to meet their shipping deadline to South Africa.

- **PCMS Group** **BO5422**
160kVA AC UPS <£50K 2007
Harland Simon were awarded the contract to supply, deliver, install and commission a 160kVA Powerware PW9390 UPS System. In addition to undertaking the site services involved, we also arranged for the removal of the existing redundant UPS system and disposed of the batteries under our licence.

- **Initial** **BO5373**
27 x Custom DC Systems <£50K 2006
Harland Simon were awarded the contract to supply Custom Built DC Systems of various sizes for use on a project in Ireland.

- **Optilan UK** **BO5339**
14 x Dual DC Systems <£50K 2006
Harland Simon supplied 14 x Dual DC Systems to supply 48VDC to the equipment.

...previous

continued...

DESCRIPTION

 [Back to Comms/IT List](#)

[Comms/IT](#)



 [Back to Front Page](#)

- **Chubb** **BO5373**

3kVA UPS & Battery Packs <£10K Sept 2008

Supply 3kVA UPS and 3 hour Battery Packs to support Security Equipment at BNFL.

- **PCMS Group** **BO5422**

30kVA UPS <£50K Sept 2008

Supply 30kVA UPS to support Data Centre Equipment, complete with Maintenance Equipment.

- **Nissan** **BO6254**

80kVA Riello UPS <£50K Oct 2008

Supply 80kVA Riello UPS in addition to already supplied 200kVA UPS.

- **Broadcast Sound** **BO6340**

DSM 48/8 Charger & Batteries <£10K Dec 2008

Harland Simon have designed a range of Battery Chargers designed specifically for the Bosch-Preseido System (Amplifier). This system is used for the purpose of Evacuation From Premises. Our Charger/Batteries enables the Amplifier to operate in the event of Mains Failure.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

- **JP Power** **BO6378**

24v DC Marine Charger <£10K Jan 2009

Harland Simon was asked to produce a replacement 24vDC system Marine Charger for a ship. The new system was self contained in its own IP54 for the purpose of Evacuation From Premises. Our Charger/Batteries enables the Amplifier to operate in the event of Mains Failure.

- **ATG Airports** **BO6387**

9 x PW9130 <£10K Jan 2009
5 x 700VA
4 x 1kVA UPS

Supply above UPS for critical Airfield Ground Lighting Products.

- **[Optilan UK](#)** **BO6474**

3 x DC UPS <£50K Apr 2009

Optilan required a solution to provide 48VDC from a 120VAC Input source rated at 1.2kW with the ability to support this load for 12 hours in the event of mains failure.
Harland Simon fulfilled this application by supplying a modular DC PSU System along with loose 10 year Design Life Batteries for installation within the Optilan enclosure.

DESCRIPTION

 [Back to Comms/IT List](#)

[Comms/IT](#)



 [Back to Front Page](#)

- **ATG Airports** **BO6254**
7 x PW9130 **<£10K** **May 2009**
Harland Simon secured a major contract to supply 4 x PW9130 (1kVA Tower) and 3 x PW9130 (2kVA 19" Rack) UPS systems to Prestwick Airport for their Ground Lighting Products.
It was imperative that the Routing, Guidance and Surveillance Control System (PLC) was kept functioning at all times so we opted for the Eaton UPS to provide the critical level of protection (True OnLine) against the 9 main problems associated with AC Mains Power.
- **SKS Ireland** **BO6593**
5 x DSM Chargers **<£10K** **Jun 2009**
Harland Simon have designed a range of Battery Chargers designed specifically for the Bosch-Preideo System (Amplifier). This system is used for the purpose of Evacuation From Premises. Our Charger/Batteries enables the Amplifier to operate in the event of Mains Failure.
- **Advantex** **BO6613**
20kVA MLT Riello UPS **<£50K** **Jun 2009**
Advantex carried out a new security system installation for Hays Travel, Sunderland. As part of the installation a UPS was required to support the equipment for 2 + hours. Harland Simon supplied the Riello MLT UPS and Extended Battery Pack, along with environmental sensors and wall mounted bypass switch.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

- **Daisy Telecom** **BO6636/6637**
Pulsar M5000 <£10K Jul 2009
Pulsar M RT 3kVA UPS
Rack UPS and Installation for NHS Luton & Beds

- **Aquila** **BO6643**
Rugged rack UPS <£10K Jul 2009
Required a UPS that could support equipment when it was being removed from a ship and transported to land without losing power. A standard UPS was not possible due to maximum weight restraints.

- **ATG Airports** **BO6678/6683**
4 x PW9130 (1 x 1kVA & 3 x 2kVA) <£10K Aug 2009
4 x PW9130/700VA
3 x PW9130/2000T
Supply UPS for Isle of Man and Glasgow airports.

- **EA Tech** **BO6747**
FXM1100 & Batteries <£10K Sep 2009
EA required a rugged UPS suitable for use in extreme temperatures as used for a power station in China.

...previous

continued...

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

➤	Optilan	BO6797	
	Inverters	<£50K	Nov 2009
	Supply inverters for Ormonde Wind Farm		
➤	Advantex	BO6848	
	2 x 10kVA / 4 hours UPS	<£50K	Dec 2009
	Supply above for Hayes Travel Agents		
➤	Optilan	BO6896	
	DC UPS & Batteries	<£50K	Jan 2010
	Supply above		
➤	Daisy Telecom	BO6921	
	3 x Eaton UPS	<£50K	Feb 2010
	Supply above		

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

- **Chubb** **BO7116/17**

16 x Eaton EX220 + Batteries for CCTV <£50K Jun 2010

Harland Simon supplied Chubb a UPS solution to support security equipment being installed in a 19" rack to support 1500w for 1 hour. The Eaton solution, on this occasion, proved to be the best at maximising on the available space.

- **Optilan** **BO7118**

7 Systems x XI3000N + XI/BMX <£50K Jul 2010

Harland Simon were asked to supply a 19" rack UPS system to fit within a 600mm deep rack, supporting a load of 550W for 2 hours to supply critical backup power for an Intrusion Detection System.

- **Chubb** **BO7164**

3 x EX RT 7kVA & 15 x Battery Packs <£50K Jul 2010

We were asked to provide a 19" rack UPS solution to support a load of 1540W for 4 hours. We offered, and was subsequently ordered the Eaton EXRT 7kVA Power Module and 5 x Battery Packs per system. The end location is Heysham Nuclear Power Station, for which the UPS is being used to backup critical security equipment.

DESCRIPTION

 [Back to Comms/IT List](#)

[Comms/IT](#)



 [Back to Front Page](#)

- **Mars (Chocolate)** **BO7270**

4 x Riello 20kVA Multiplus <£50K Nov 2010

Mars approached us with the intention of replacing an existing UPS configuration, but required a new arrangement to allow for the existing load and future expansion. Harland Simon supplied 4 x MLM 20kVA UPS and Extended Battery Cubicles, which will support a full load of 18kW for 32 mins.

All works were carried out of hours to suit Mars, including the removal and disposal of the old UPS.

- **Lucite** **BO7319**

1 x MLT 40kVA & Battery Cubicle <£50K Nov 2010

Lucite, an existing customer of Harland Simon UPS, needed to relocate the UPS that we had originally supplied and maintained for many years to a different area with better environment conditions within their site. As this UPS was old and it required extensive works it was decided that a new 40KVA system should be installed.

Harland Simon supplied a new 3ph/3ph UPS and extended runtime battery cubicle and carried out the decommissioning and removal of the old system at site.

- **Technology Solutions** **BO7422**

1 x 15kVA UPS/Internal Battery and 2 x 1.5kVA UPS/Extra Battery Pack <£10K Feb 2011

A new customer to Harland Simon, Technology Solutions came to us with a contract to carry out works at a local education centre, including the provision of AC UPS to back-up equipment for 3 x locations, all with 30 minutes autonomy.

DESCRIPTION

 [Back to Comms/IT List](#)

[Comms/IT](#)



 [Back to Front Page](#)

- **Tait** **BO7319**
17 x 19" 1U Custom Power Supplies <£15K May 2011

Tait required a 24vDC/350w Power Supply for a new Radio Controller, although many standard off the shelf products are readily available. Tait required a system to fit all within a 19" 1U rack but fitted with a number of specific features, i.e. LED indicators, fused output terminals and VDT free contacts.

- **Tait Communications** **BO7517**
17 x 19" Rack Bespoke Power Supplies <£15K May 2011

Tait requested a 24vDC/350w 19" Rack Power Supply with a maximum height of 1U. Harland Simon were able to utilise a standard PSU module and then design and build into a suitable rack, along with relays, on/off switch and terminals.

- **Broughton Printers** **BO7663**
Riello 160kVA UPS <£50K Aug 2011

Broughton Printers selected Harland Simon UPS primarily due to an excellent business relationship with our sister company Harland Simon PLC.
Harland Simon UPS supplied and installed a UPS System capable of supplying 128kW for 60 minutes. The system included SNMP to provide remote access/SMS alerts to notify them of any power related problems.

DESCRIPTION



Back to Comms/IT
List

Comms/IT



Back to Front Page

- **Chubb/Moffat for National Grid** **Multiple**
Riello 40kVA, 60kVA and 160kVA UPS **B07308/7309** <£500K Dec 2010 -
3kVA Modular System **/7695/7698** ongoing
/7699/7821

To date Harland Simon has supplied, National Grid, via Chubb Systems, 8 x sites with an industrial UPS system, with dedicated special designed battery cubicles, as part of the government Critical National Infrastructure (CNI) directive.
- **Tyco for Sellafield** **B07888**
Design and manufacture 24vDC PSU/Charger system **>£20K** Jan 2012

Harland Simon designed and manufactured a 24vDC PSU/Charger System including a dedicated battery charger enclosure. The charger was rated for 55A continuous load with a short term load of 70A maximum. The system supports the customer's load, in this case, incandescent lighting, for 6 hours in the event of AC mains failure. Options include volt/amp meters, LED's, alarms and mimic front panel.

REFERENCE SITE LIST



Back to Index

Site Services



Back to Front Page

Job Title/Customer	Job Number	Type of Installation	Case Study
Bookers Cash & Carry	BS4644	Maintenance contract for UPS Systems located throughout their 200+ UK Stores	
Tech Mahindra – UK Head Office	BS6604	3 year Maintenance Contract	
PCMS	BS7007	Maintenance Contract	

DESCRIPTION



[Back to Site Services List](#)



[Back to Front Page](#)

Site Services



- | | | | |
|---|---|---------------|----------|
| ➤ | Bookers Cash & Carry | BS4644 | |
| | Maintenance Contract | <£50K pa | 2003+ |
| | Eaton Powerware have the maintenance contract to maintain the UPS at all their 200+ stores throughout the UK. Eaton have nominated Harland Simon as their approved service partner to undertake all site preventative maintenance and call out to repair or replace faulty units. | | |
| ➤ | Tech Mahindra | BS6604 | |
| | 3 year Maintenance Contract | | Jun 2009 |
| ➤ | PCMS | BO6921 | |
| | Maintenance Contract | <£50K | Apr 2010 |

REFERENCE SITE LIST



Back to Index



Back to Front Page

UPS Partnerships



Job Title/Customer	Job Number	Type of Installation	Case Study
MasterPower	BO6215	Supply 12 hour Battery Pack	
Chloride	BO6221	Supply 3 x 2 hour Battery Packs	
Chloride	BO6477	Battery Pack for Active G4 2000	
Eaton	BO6508	Battery Pack for Pulsar	
Chloride	BO6554/6555 /6564	Charger and Battery Packs	
PDS	BO6697	Supply 4 Marine UPS	
Chloride	BO6713/6714 /6715	Supply Battery Packs	
Chloride	BO6840	Supply 2 large Battery Packs	
CPP	BO6907	Supply Battery Packs for Low Voltage UPS	
Chloride	BO6929	Supply Batteries and Chargers for Edinburgh Tram	
PDS	BO7009	Supply 3 x Marine UPS	
Chloride	BO7103	BP240-BCM165-2W7	
Eaton	BO7368	UPS Battery Cabinets	
Emerson	BO7852	272vDC Battery Charger	

DESCRIPTION



Back to UPS
Partnerships List



Back to Front Page

UPS Partnerships



- **MasterPower** **BO6215**
12 hour Battery Pack <£10K Sep 2008

Supplied 12 hour Battery Pack to support Chloride 3kVA Active UPS.
- **Chloride** **BO6221**
3 x 2 hours <£100K 2006
<£10K 2006 +

Harland Simon designed the Power Section to fit within the Mobile Power Cart for use on NHS wards to enable bedside access to patient records via a networked computer.
- **Chloride** **BO6477**
Battery Pack <£10K Apr 2009

Harland Simon supplied a battery pack to provide extended runtime for the Active G4 2kVA UPS
- **Eaton** **BO6508**
Battery Pack <£10K Apr 2009

Harland Simon supplied a Free Standing Battery Pack for the Pulsar 1500 to extend the runtime and to save on space as the UPS can be positioned on top of the Battery Pack.

continued...

DESCRIPTION



[Back to UPS Partnerships List](#)



[Back to Front Page](#)

UPS Partnerships



- **Chloride** **BO6554/5 & 64**
Charger & Battery Packs **<£10K** **May 2009**
Supplied Charger and Battery Packs for Network Rail to support 368w/6 hrs.
- **PDS** **BO6697**
4 x Marine UPS **<£50K** **Aug 2009**
Harland Simon supplied a DNV Approved 3kVA 19" Rack UPS solution, including a Marine Filter for above deck operation for export.
- **Chloride** **BO6713/14/15**
Battery Packs **<£10K** **Sep 2009**
Harland Simon supplied a battery cubicle to operate with the new Active G4 3kVA UPS. Fitted with a 1kw charger for a fast recharge time.
- **Chloride** **BO6840**
2 x large Battery Packs **<£10K** **Dec 2009**
Harland Simon supplied a Battery Cubicle to operate with the Chloride Linear Plus UPS.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to UPS
Partnerships List

UPS Partnerships



Back to Front Page

- **CPP** **BO6907**
2.6kW for 4 hrs LV UPS and large Battery Pack **<£10K** **Jan 2010**
Harland Simon supplied a Battery Cubicle and 3kVA, 110VAC UPS.

- **Chloride** **BO6929**
27 x 96vDC, 500w Chargers **<£50K** **Feb 2010**
The Edinburgh Tram project received a Battery Charger with distribution to provide a faster recharge time for use with Chloride's Active G3 UPS and Battery Packs.

- **PDS** **BO7009**
3 x 9355 Marine 10kVA UPS **<£50K** **Apr 2010**
Harland Simon supplied 3 x UPS systems for a refit barge project via PDS, for Ferguson Ship Builders.

- **Chloride** **BO7103**
BP240-BCM165-2W7 **<£50K** **Jun 2010**
Harland Simon supplied a number of extended runtime battery cubicles, together with the Linear Plus 10kVA UPS for the Rail Division.

...previous

continued...

DESCRIPTION



Back to UPS
Partnerships List



Back to Front Page

UPS Partnerships



- **Eaton** **BO7368**
UPS Battery Cabinets **<£10K** **Jan 2011**
Eaton are a key partner to Harland Simon UPS and often use our Extended Runtime Battery Cubicles to work with their UPS. For instance, where Eaton's customer requires a longer runtime than they can cover using their standard Battery Pack.
- **Emerson** **BO7888**
272vDC Battery Charger **<£5K** **Jan 2012**
Harland Simon were asked to design a range of wall mounted and floor standing battery chargers enabling Emerson to offer longer autonomy solutions for their larger UPS systems.
Harland Simon have produced a range of chargers, depending on the recharge current required. The 6A version recently supplied is rated at 6A, can be plugged in a 13Amp socket and is fitted in an IP31 wall mounted enclosure. Options include volt and amp meters.



Commercial

Case Studies

 Back to Front Page

Building Services



Comms/IT

[Nestor Healthcall - Birmingham](#)
[Optilan UK](#)



Site Services



UPS Partnerships

[PDS](#)





Back to Case
Studies List



Back to Front Page

Comms/IT



➤ Nestor Healthcall - Birmingham

BO5081

2 x 100kVA AC UPS
2 x 300kVA Generators
10 x AC UPS & Batteries

>£100K
>£100K
>£100K

2003
2003
1998 - 2004



Harland Simon UPS was awarded a contract to supply two dual redundant 100kVA UPS systems and a 300kVA Diesel Generator for Nestor's new national call centres in Birmingham and Sheffield.

The UPS and Generator Sets are backing up the critical communications and IT infrastructure at both locations, ensuring the 24/7 call centres remain operational in the event of supply failure.

Harland Simon was responsible for the design, build, testing and installation of both systems in conjunction with Mason Communications who acted as Nestor's Telecom and IT consulting company.

In addition to the major national call centres, Harland Simon UPS are responsible for the ongoing service and maintenance of 27, regional sites that operate 24/7.

Harland Simon have provided AC UPS of various rating and battery capacity to 20 sites throughout the UK.

The UPS supports critical communication and IT equipment at the UK call centres and offices.

- 2 x 100kVA Dual Redundant UPS
- 2 x 300kVA Diesel Generators
- 20 x AC UPS – Single and Three Phase
- Site Installation Services
- Project Management
- Ongoing Service and Maintenance



continued...

DESCRIPTION



Back to Case Studies List



Back to Front Page

Comms/IT



➤ Optilan UK

3 x DC UPS

BO6474

<£50K

Apr 2009



Optilan required a solution to provide 48vDC from a 120vAC Input source rated 1.3kW with the ability to support this load for 12 hours in the event of mains failure.

Harland Simon fulfilled this application by supplying a modular DC PSU System along with loose 10 year Design Life Batteries for installation within the Optilan enclosure.



- DC Power Racks 'Ready To Connect' for Integration into 19" System Cabinets
- UPC3 (DC Controller) Easy to Configure, Adapts the System to Customer's End Application & Battery Parameters
- Up to 5 x Rectifiers in One Rack
- 24, 48, 60, 110 & 220vDC Output

...previous

continued...

DESCRIPTION



Back to Case
Studies List



Back to Front Page

UPS Partnerships



PDS

BO7009

3 x 9355 Marine 10kVA UPS

<£50K

Apr 2010



Harland Simon, via PDS, received an order for Ferguson Shipbuilders who had the contract to carry out the refit/upgrade of the FM Barge – Miclyn 3319.

They required 3 x UPS Systems capable of supplying 10kVA 3 phase/1 phase, which was designed in accordance with ABS marine standards.

Each UPS provides 30 minutes autonomy giving critical backup power for Navigational Aids, Lighting and PA Systems along with some other critical communications equipment.

Harland Simon supported this application by using the Eaton 9355M which is a Marine grade UPS and so is used in applications which are subjected to harsh environments and conditions, i.e. vibration.

Harland Simon also supplied a custom transformer to meet with the specific output voltage (220/60Hz) requested.



Index

Defence



Back to Front Page

Air

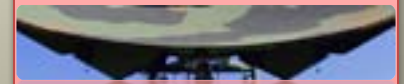
Land

Sea

Joint Services

Alenia Marconi – Chelmsford
BAe – Talon
Raytheon – Astor
BAe – Falcon
Paradigm
Fernau
ETL
Bioquell
General Dynamics

Alenia Marconi – Portsmouth
Alenia Marconi – Chelmsford
Aish Technologies – Poole
Ultra CCS – High Wycombe
BAe Systems – Royal Navy Ships
Ultra CSS – High Wycombe
XP – Steatite
US Navy – London
BAe Systems – DNA2
Ultra SCS
BAe Systems
Ultra Sonar
Netherlands MOD



REFERENCE SITE LIST



Back to Index



Back to Front Page

Land



Job Title/Customer	Job Number	Type of Installation	Case Study
Alenia Marconi - Chelmsford	BO1804	Supply 30+ AC UPS rated at 2kVA/5 minute. Rugged standard COTS equipment including component and other mechanical fixings	
Bae Talon - Christchurch	BO3044/3645 /4720	Design a 3kVA/10 minute UPS built into a NATO Rugged Transport Case suitable for Harsh Military application using COTS equipment	
Raytheon Astor - Harlow	BO2785 BO6742	Design of both AC UPS & DC UPS to comply with detailed specification. Systems were Installed and Independent Type Testing carried out 020-HSMIL3K-UPSplus spares	
Bae Falcon - Christchurch	BO5612 BO	Falcon UPS Systems Falcon Increment C	
Paradigm	BO6506	Talon spares	
Fernau	BO6656	1kVA Pulsar UPS plus BTA65 for 19" Rack Comms Aircraft guidance equipment	
ETL	BO6762	Nova 2kVA Rugged UPS	
Bioquell	BO6817	Inverters	
General Dynamics	BO7464	62 x Rugged Case Mounted UPS	

DESCRIPTION



Back to Land List



Back to Front Page

Land



- | | | |
|--|---|--------------------------------------|
| <p>➤ Alenia Marconi - Chelmsford</p> <p>30 x 2kVA/5 mins AC UPS Mobile Radar</p> <p>Over a 3 year period Harland Simon supplied over 30 x AC UPS systems. These were designed to replace existing units that were deemed unreliable.
Harland Simon modified a COTS Invensys UPS to make it suitable for the application. This included making the Electrical Component Fixings and Mechanical changes to the Enclosure Fixings and Connectors rugged.</p> | <p>BO1804</p> <p><£100K</p> | <p>2000 - 2002</p> |
| <p>➤ BAe Systems Christchurch - TALON</p> <p>Prototype 3kVA AC UPS TALON
12 x Production AC UPS TALON
14 x AC UPS TALON</p> <p>Design and supply a rugged case mounted 3kVA UPS with redundant battery and special military connectors and FEPDS capability to support the mobile TALON communications terminal</p> | <p>BO3044/3645/4720</p> <p>NIL
<£100K
>£100K</p> | <p>2003
2004
2006</p> |
| <p>➤ Raytheon ASTOR - Harlow</p> <p>50 x 3kVA/8 minute AC UPS
30 x 2kW N+1 28VDC PSU
020-HSMIL3K-UPS plus spares</p> <p>Design and supply rugged lightweight 3kVA AC UPS plus 2kVA DC modular power supply for installation on the ground vehicle support to protect sensitive communications equipment plus spares</p> | <p>BO1804</p> <p>Total
>£100K
<£50K</p> | <p>2000 - 2002

Sep 2009</p> |

continued...

DESCRIPTION



Back to Land List

Land



- **BAe Systems FALCON - Christchurch** **BO5612**
Design, Manufacture, Type Test & Certify Falcon UPSs
100 x 19" Rackmounted 3.8kw/30 mins Rugged Custom UPS
25 x Case Mounted Pallet 3.8kw/5 mins Rugged Custom UPS
Increment C
£1.5M 2007-2012
>£100K Jun 2009
Design and type test a 3.8kVA AC UPS to support the FALCON communication networks, this included vehicle mounted 19" versions and case mounted pallet versions
- **Paradigm** **BO6506**
Talon Spares
<£100K Apr 2009
Harland Simon provided 4 x complete Talon UPS plus various spares to cover the long term logistic support of the Talon project
- **Fernau** **BO6656**
1kVA UPS
<£10K Jul 2009
Supply of compact Eaton UPS and large battery pack for installations within Communications system
- **ETL** **BO6762**
2kVA Rugged UPS
<£10K Oct 2009
2kVA Nova Rugged UPS for defence land communications application

...previous

continued...

DESCRIPTION



Back to Land List

Land



- **Bioquell** **BO6817**
Inverters **<£10K** **Nov 2009**
In partnership with Nova Electric, USA, Harland Simon designed and supplied a large quantity of rugged 24V – 115V Inverters for DoD Bio Decontamination applications
- **General Dynamics** **BO7464**
62 x Rugged Case Mounted UPS **£250K** **Apr 2011**
Harland Simon has been awarded a contract to supply 60+ Rugged Case Mounted 3kVA UPS. These will be used in military field operations to support critical communications equipment. These UPS are based on the successful Talon UPS system.

REFERENCE SITE LIST



Back to Index



Back to Front Page

Sea



Job Title/Customer	Job Number	Type of Installation	Case Study
Alenia Marconi – Portsmouth	BO1935	Design 25 x 1kVA AC UPS systems as a direct replacement to Form/Fit/Function	
Alenia Marconi – Chelmsford	BO3019	Design and Supply of Prototype Tight Specification DC Power Supply for MoD Ship Radar	
Aish Technologies – Poole	BO3129	Design and Supply 70 x 1kVA Naval Power Solutions	
Ultra CCS – High Wycombe	BO2900	Design and Supply 6kVA/15 mins 19" Rackmount solution with a Low Magnetic Signature	
BAe Systems – Royal Navy Ships	BS4404	Awarded Repair and Service Contract for 100 x AC UPS Systems	
Ultra CCS – High Wycombe	BO4086	Modification of 50 x 1kVA PW9120 UPS to allow Interfacing with Display Processor	
MOD Ship Application	BO4355	80 x 1kVA XP SMX UPS built into Custom 3U Enclosure with Stepped Lid, RGB Display, etc.	
US Navy - London	BO3294	Replace 20 yr old Frequency Converters and provide Full Site Management & Commissioning	
BAe Systems – DNA2	BO5498/5507 /6081	Provide 1 x COTS 11kVA Comet EX RT UPS & 1 x Rugged 11kVA Comet UPS and Battery & 29 x Rugged UPS and Battery	
Thales	BO6716	2 x rugged Military UPS	
Ultra SCS	BO6810	8 x Nova UPS	
Bae Systems	BO6996/7138	6 x 3kVA Rugged Type 45 CMS UPS	

continued...

REFERENCE SITE LIST



Back to Index



Back to Front Page

Sea



Job Title/Customer	Job Number	Type of Installation	Case Study
Ultra Sonar	BO7267	4 x Nova Galaxy UPS plus NRE	
Netherlands MOD	BO7275	4 x Eaton 9355 Marine UPS	
Ultra CCS – High Wycombe	BO7538	3 x 6kVA/15 mins 19" Rackmount solution with a Low Magnetic Signature & Battery Packs	

...previous

DESCRIPTION



Back to Sea List

Sea



Back to Front Page

- **Alenia Marconi - Portsmouth** **BO1935**

25 x 1kVA/10 mins AC UPS **<£100K** **2000**

Harland Simon Designed and Supplied a UPS to replace a Discontinued UPS. This was a direct replacement for Form/Fit/Function. The 1kVA UPS had the Type and location of the Connectors specified, also the Air Flow within the Rack dictated an Angled Main PCB and Air Flow from the sides across the Components

- **Alenia Marconi - Chelmsford** **BO3019**

Prototype DC PSU **<£100K** **2003**
20 x Production Units **<£100K** **2004**

Designed a fully custom built Military high specification DC Power Supply for an MOD ship radar. The power supply is fed via a 600Hz input and has a QUAD +/-12/15V output with ultra low noise/ripple. The DC Power supply was installed to power Type 42 radar systems.

- **Aish Technologies/XP - Poole** **BO3129/3343**

70 x 1kVA UPS **<£50K** **2003**

Designed and built 70 x 1kVA Naval Power Solutions from COTS Modules. The UPS was purpose built in stainless steel for use in AISH Technologies Morpheus Console for the new Type 45 Destroyer class warship. The HS UPS product was independently tested to various additional EMC and Environmental Levels to ensure it was fit for purpose.

continued...

DESCRIPTION



[Back to Sea List](#)

Sea



[Back to Front Page](#)

- **Ultra CCS – High Wycombe** **BO2900**
25 x 1kVA/10 mins AC UPS **>£100K** **2003 - 2004**

Designed a UPS system using COTS equipment to meet detailed customer specification and requirements on size, power, EMC and ruggedness. The AC & DC UPS were designed to be a high quality but competitively priced solution for a military application.
- **BAe Systems – Royal Navy Ships** **BO4404**
Maintenance Contract **2003 - ongoing**

Harland Simon was awarded the Repair and Service contract to maintain over 100 x 1.5kVA AC UPS. Our contract is based on a Fixed Evaluation Price and Repair/Upgrade Price Per System. The units are reviewed yearly when the Ships dock for maintenance visits.
- **Ultra CCS – High Wycombe** **BO4086**
50 x 1kVA/5 mins AC UPS **<£100K** **2004 - 2007**

Harland Simon Modified the 1kVA PW9120 UPS by Interfacing with the Display Processor Unit to give Remote Shutdown and Startup Control via an External 24vDC Supply. This was achieved by the use of a PIC.
- **MOD Ship Application** **BO4355**
80 x 1kVA/5 minute AC UPS **>£100K** **2005 - 2007**

We built a 1kVA XP SMX UPS into a custom 3U rugged enclosure complete with stepped lid, 10 year batteries, RGB display and 10 way connectivity and fuse distribution.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to Sea List

Sea



Back to Front Page

- **US Navy - London** **BO3294**
3 x 160kVA UPS >£100K 2003 - 2004
Harland Simon were awarded the contract to replace the 20 year old 50Hz to 60Hz Converters which support the US Navy 60Hz equipment at the UK HQ. Harland Simon's contract also included the Full Site Management, Detailed Reporting, Project Management, Design, CAD Drawings, Mechanical, Electrical, Communications, Painting & Decoration, Air Handling Systems as well as Training and Commissioning.

- **BAe Systems – DNA2** **BO5498/5507/6081**
1 x standard COTS 11kVA Comet EX RT UPS <£10K Mar 2007
1 x rugged 11kVA Comet UPS & Battery <£50K Apr 2007
29 x rugged UPS & Battery >£100K 2008 - 2014
In 2007 Harland Simon supplied BAe Systems with a Rugged 11kVA Comet EX RT UPS which was then Field and Type Tested by BAe. After this successful testing Harland Simon were awarded the order to Supply a further quantity of 29 Systems to fulfil the contract with Power Module deliveries up to 2011 and Battery deliveries up to 2014.

- **Thales** **BO6716**
Rugged Military UPS <£50K Sep 2009
Design and supply a small quantity of rugged custom dual low voltage UPS plus output distribution module.

DESCRIPTION



Back to Sea List

Sea



Back to Front Page

- **Ultra SCS** **BO6810**
T45 UPS >£100K Nov 2009
Supply another 8 x custom Nova MILSTD Navy UPS.
- **BAe Systems** **BO6996/7138**
T45 <£50K Mar 2010
Production <£50K Jul 2010
BAe came to Harland Simon to design and supply a Form-Fit-Function replacement for an obsolete UPS already installed on a T45 1, 2 & 3kVA plus supply of several spare units.
- **Ultra Sonar** **BO7267**
4 x Nova Galaxy UPS plus NRE <£100K Nov 2010
We received an order to supply 4 x 3kVA rugged Nova AC UPS which needed to comply with various Mil Standards. These UPS are to support Sonar equipment on Australian Navy vessels.

DESCRIPTION



Back to Sea List

Sea



Back to Front Page

- **Netherlands MOD** **B07275**
4 x Eaton 9355 Marine UPS **<£100K** **Nov 2010**
We received an order from the Dutch MOD for 4 x Marine Approved 15kVA UPS complete with batteries, transformers, etc. the systems had to be a compact modular design due to restricted site access. These UPS are to be installed on Dutch and Belgium frigates to support critical equipment.
- **Ultra CCS – High Wycombe** **B07538**
3 x 1kVA/10 mins AC UPS & Battery Packs **>£25K** **Jun 2011**
These are additional UPS of the same specification which were supplied to Ultra in 2003, the original contract was for 20 x systems at £150K. The UPS were rugged 19" rack stainless steel trays fitted with Hypertac slide and mate connectors.

Defence

Case Studies



Back to Front Page

Air

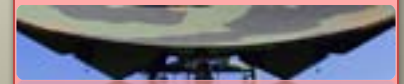
Land

Sea

Joint Services

[BAe Talon - Christchurch](#)
[Raytheon - Astor](#)
[BAe Falcon - Christchurch](#)

[Aish/XP - Poole](#)
[Alenia Marconi - Chelmsford](#)
[Ultra CCS - High Wycombe](#)
[MOD Ship Application](#)



DESCRIPTION



Back to Case
Studies List

Land



Back to Front Page

➤ BAe Systems Christchurch – Talon

BO3044

Prototype 3kVA AC UPS Talon
12 x Production AC UPS Talon
14 x AC UPS Talon

Nil
<£90K
>£100K

2003
Aug – Nov 2004
2006



Harland Simon designed a UPS and battery module using COTS equipment to be suitable for harsh military applications and environments.

The design incorporates the UPS and battery modules into an EDAK military transportable case protected to IP67. In operation the UPS is still protected to IP43. The UPS has been tested for direct connection to a mobile generator via a specified military connector and FEDPS Terminator.

The UPS and battery modules are easily field replaceable via HYPERTAC plug and mate connectors.



- Portable Military Application
- 3kVA/2.1kW 10 minute High Performance
- VRLA Battery 6U EDAK Military Transport Case
- Modular Design (3 x 2U modules. Max. 35kg)
- Independent Environmental Testing
- IP67/IP43
- Military Connection
- Fitted with FEDPS Protective Conductor Loop Monitoring

continued...

DESCRIPTION



Back to Case
Studies List

Land



Back to Front Page

➤ Raytheon Harlow - Astor

BO1804

50 x 3kVA/8 minute AC UPS
30 x 2kW N+1 28vDC PSU

Total
>£100K

2000 - 2002



Harland Simon designed a UPS and battery module using COTS equipment to be suitable for harsh military applications and environments.

The system comprised of 3 modules, 3kVA AC UPS, 8 minute battery and 28vDC N+1 DC PSU.

The AC & DC UPS were designed to be a high quality but competitively priced solution for a military application, which would also guarantee long term availability of spares and replacement units. All units were subject to DEF STAN type testing at independent test houses.



- Custom built lightweight aluminium 19" rack
- Independent environmental tested – EMC, shock, vibration, etc.
- Battery heater for low temperature start mobilisation
- Conformal coated PCB
- Zero halogen cabling
- Ruggedised
- Custom made interconnection leads
- Modular N+1 redundant DC PSU

...previous

continued...

DESCRIPTION



Back to Case
Studies List

Land



Back to Front Page

➤ BAe Systems Christchurch - Falcon

BO5612

Design, Manufacture, Type Test & Certify Falcon UPS
#100 x 19" Rackmounted 3.8kW/30 mins Rugged Custom UPS
#25 x Case Mounted Pallet 3.8kW/5 mins Rugged Custom UPS
Increment C

Total
£1.5M

2007 – 2012

>£100K

Jun 2009



In 2007 BAe Systems awarded Harland Simon the contract to Design and Supply a range of UPS Systems to support the Falcon System which will replace the Ptarmigan System.

The design phase lasted 6 months and included detailed design of Power Electronics making them suitable for the harsh environment. The equipment was designed in strict compliance with a detailed specification and then subjected to stringent independent type testing to prove full compliance.

The customer acceptance trials will start mid 2008 with the first batch in main deliverable items to complete early 2009. Deliveries will then continue until 2012 with field logistics support until 2019.



- Container or pallet mounted
- High power 3.8kW/30 minute UPS
- Rugged Design
- Modular Design (max. 50kg | 2 man lift)
- Independent environmental testing
- Minimum IP43 operational protection
- Military connectivity with optional FEDPS monitoring
- 10+ year ILS & CLS support package

...previous

continued...

DESCRIPTION



Back to Case
Studies List

Sea



Back to Front Page

➤ Aish Technologies/XP – Poole

BO3129/3343

70 x 1kVA UPS

<£50K

2003



Harland Simon UPS designed and built 70 x 1kVA Naval Power Solutions from COTS Modules for AISH Technologies/XP, Poole.

The UPS was purpose built in stainless steel for use in AISH Technologies Morpheus Console for the new Type 45 Daring Class Destroyer.

The Harland Simon UPS product was independently tested to various additional EMC and environmental levels to ensure it was fit for purpose.



- Custom Design and Build
- True On-Line 1kVA UPS with a separate battery pack
- Independent EMC and environmental testing
- Custom footprint and less than 15kgs
- Customer specified connectivity

...previous

continued...

DESCRIPTION



Back to Case
Studies List

Sea



Back to Front Page

➤ Alenia Marconi Chemlsford

BO3019/3659

Prototype DC PSU
20 x Production Units

<£100K
<£100K

2003
2004



Harland Simon UPS designed a fully custom built military high specification DC power supply for an MOD ship radar.

The power supply was installed to power Type 42 radar systems.



- Linear DC PSU
- 600Hz input
- QUAD DC output
- Ultra low noise
- Compact rugged design
- Military connectors
- Full type testing
- Base mounted heat sink

...previous

continued...

DESCRIPTION



Back to Case
Studies List

Sea



Back to Front Page

➤ **Ultra CCS High Wycombe**
20 x 6kVA/15 minute AC UPS

BO2900

>£100K

2003 - 2004



Harland Simon UPS designed a UPS system using COTS equipment to meet detailed customer specification and requirements on size, power, EMC and ruggedness.

The AC & DC UPS were designed to be a high quality but competitively priced solution for a military application, which also guarantees long term availability of spares and replacement units.



- Custom built stainless steel 19" rack
- Ruggedised UPS based on COTS UPS module
- Plug and mate hypertac military connectors
- 15 minute high performance VRLA battery
- Total 7U space
- Conformal coated PCB's
- Zero halogen cabling
- Separate 3U UPS & 2U battery modules

...previous

continued...

DESCRIPTION



Back to Case
Studies List

Sea



Back to Front Page

➤ MOD Ship Application

BO4355

80 x 1kVA/5 minute AC UPS

>£100K

2005 - 2007



Harland Simon built a 1kVA XP SMX UPS into a custom 3U Rugged Enclosure complete with stepped lid, 10 year batteries, RGB display and 10 way connectivity and fuse distribution.



- Custom Design and Build
- 80 x 1kVA/5 minute AC UPS
- 10 year VRLA Batteries
- RGB Display
- 10 Way Connectivity & Fuse Distribution

...previous


[Back to Front Page](#)

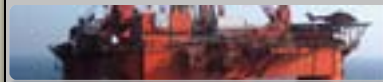
Manufacturing

Aston Martin
 Red Bull Racing
 Dorwin Gear
 Thales/Nexus Scada
 Lloret
 Lintott
 Blackburn Starling
 Boulting Group
 Glasswell & Last
 Tyco
 ATG
 Cortina
 Aston Dane
 Costain
 GCA
 CEF
 CEMA
 MCS
 Aecom
 TMD Friction
 Black & Veatch
 Nomenca



Marine/Petrochem

MCI Electronics
 Hamworthy Combustion Systems
 Electrical Power Engineering
 James Fisher
 ABMAS
 Peto/de Beers
 Consafe
 British Gas
 Silvertech
 ICS Triplex Silvertech
 Wärtsilä
 Blue Water Marine
 De Viers Ship
 Shell Oil
 Tyco
 Northern Marine Management
 L3 Communications (Export)
 Yokogawa (Export)
 Rolls Royce
 MOL Tankship
 Applied Satellite Engineer (Ex)



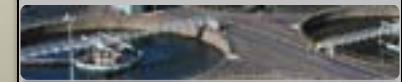
Transportation

Thales
 Siemens
 Chloride
 Optilan/Railtrack



Utilities

British Nuclear Power (BNFL)
 ABNA Factory – Maindec
 Purac – Bromborough
 Blackburn Starling
 Galliford Costain/Atkins JV
 United Utilities
 AT Group
 CSE Servelec
 Tyco Integrated Systems
 Agrilek
 Tyco
 Lintott Controls
 AND Automation
 South West Water
 CEMA
 Galliford Try Costain Atkins JV
 Scottish Water Solutions



continued...



[Back to Front Page](#)

Manufacturing

ABB Ltd



Marine/Petrochem

Ships Electrical Services
Stratos BV (Export)
ADM
Satcom Global
Globe Wireless (Export)



Transportation




Utilities






Manufacturing

 [Back to Index](#)

 [Back to Front Page](#)

Job Title/Customer	Job Number	Type of Installation	Case Study
Aston Martin (UK Factory)	BO4233	Supply and Installation of AC UPS and Generator to protect Server Room	
Red Bull Racing (UK Factory)	BO4791	Supply and DC Installation of 60kVA UPS	
Dorwin Gear (UK Factory)	BO5273	Supply of AC UPS Systems to support motors in automatic door sensors	
Thales – Nexus Scada	BO5570	Supply and Delivery of N+1 Redundant IP54 6kVA UPS System	
Lloret	Multiple	Supply multiple UPS Systems	
Lintott	Multiple	Supply multiple UPS Systems	
Blackburn Starling	Multiple	Supply multiple UPS Systems	
Boulting	Multiple	Supply multiple UPS Systems	
Glasswell & Last	BO6578	Supply 2 x UPS Systems	
Tyco – Norwich	BO6601	Supply multiple UPS Systems	
ATG	Multiple	Supply multiple UPS Systems	
Cortina	Multiple	480VDC/40A Charger	
Aston Dane	BO6641	Comet EX RT 11kVA + 3 x EBM	
Costain	BO6692/3/5	PW9355/10kVA IP54 & 1.5kVA Wall & 2kVA Wall	
GCA	BO6790	2 x IP54 Wall	

continued...



Manufacturing



Back to Index



Back to Front Page

Job Title/Customer	Job Number	Type of Installation	Case Study
CEF/nPower	BO6807	Borri B1031 20kVA IP54 UPS for Wind Turbine	
CEMA	BO6833	40kVA IP54	
MCS	Multiple	Supply multiple UPS systems	
Aecom	BO6904	Borri 60kVA for Isle of Wight WWTW	
TMD Friction	BO6977	1 x IP54 1400W Enclosure with no UPS	
Black & Veatch	Multiple	Supply multiple UPS systems	
Nomenca	BO7380	10kva & 15kVA Riello UPS Systems	
ABB Ltd	BO7457	2 x Riello 11kVA EX RT 19" Rack Systems	
CEMA	Multiple	IP54 Wall B Eaton 9130 3kVA UPS + EXB & Bypass	
MCS	BO7473	Brighton & Hove Albion Flushing Panel	
MCS	BO7583	Eaton 9355 IP54 UPS with matching 38Ah Battery Cubicle	
Lintott	BO7609	2 x Eaton 9355 IP54 UPS	

DESCRIPTION



Back to
Manufacturing List

Manufacturing




Back to Front Page

- | | | | |
|---|--|---------------|----------------|
| ➤ | Aston Martin (UK Factory) | BO4233 | |
| | AC UPS & Generator | <£50K | 2005 |
| | Harland Simon provided a 10kVA UPS and a 150kVA Generator to protect the Main Server Room and associated equipment including the administrative functions. We also undertook the complete AC Installation. | | |
| ➤ | Red Bull Racing (UK Factory) | BO4791 | |
| | 60kVA AC UPS | <£50K | 2006 |
| | Harland Simon provided a 60kVA UPS to protect the Main Server Room and associated administrative functions. We also undertook the DC Installation and have an existing Maintenance Contract. | | |
| ➤ | Dorwin Gear (UK Factory) | BO5273 | |
| | AC UPS | <£10K | 2005 - ongoing |
| | Harland Simon provided small Single Phase AC UPS Systems for use with Dorwin Gear's automatic doors and door sensors on an as need basis. | | |
| ➤ | Thales – Nexus Scada | BO5570 | |
| | N+1 AC UPS | <£50K | 2007 |
| | Harland Simon provided an N+1 IP54 6kVA UPS System complete with customer specified distribution housed within the Cooper B-Line Rack Enclosures. We also provided the Customised Bypass and Switching System between the UPS. | | |

continued...




 [Back to Manufacturing List](#)

Manufacturing

 [Back to Front Page](#)

- **Lloret** **Multiple**
- | | | | |
|-----------|-------------|-------|-------------|
| Eaton UPS | BO6245/6975 | <£10K | 2008 - 2010 |
|-----------|-------------|-------|-------------|
- Over the past 2 years we have supplied approx. 100 x UPS for Panel Mounted Communications applications.
- **Lintott** **Multiple**
- | | | | |
|-------------------------------------|--------|-------|----------|
| 2kVA Wall IP54 UPS for UU | BO6380 | <£10K | Jan 2009 |
| 5kVA Floor IP54 for Yorkshire Water | BO3966 | <£10K | Jan 2009 |
- Designed and supplied various IP54 UPS Enclosures for various Water and Process Companies.
- **Blackburn Starling** **Multiple**
- | | | | |
|------------------------------|-----------|-------|----------|
| 2 x 3 Phase 10kVA UPS for UU | BO6500 | <£50K | Apr 2009 |
| 5 x 2kVA PW9130 UPS for UU | BO6527-31 | <£50K | Apr 2009 |
- Designed and supplied various IP54 UPS Enclosures for various Water and Process Companies.
- **Boulting** **Multiple**
- | | | | |
|--|--------|--------|----------|
| 8 x 1kVA 110VAC UPS for Severn Trent Water | BO6536 | <£10K | Apr 2009 |
| Bamford WTW | BO6765 | <£100K | Oct 2009 |
- Supply 3 x large 3 phase UPS in IP54 enclosures to support site valves and process control equipment

DESCRIPTION

 [Back to Manufacturing List](#)

 [Back to Front Page](#)

Manufacturing



- | | | |
|---|---|------------------------------|
| <p>➤ Glasswell & Last</p> <p>2 x 2kVA UPS</p> <p>Harland Simon won the contract to supply 2 x UPS Systems to provide backup power to a control panel ICA section containing 2 PLC's and remote slave control panels with remote I/O to the main PLC. Each system comprises a 2kVA UPS and separate battery cubicle on castors to provide backup for 5 hours in the event of mains failure.</p> | <p>BO6578</p> <p><£10K</p> | <p>May 2009</p> |
| <p>➤ Tyco – Norwich</p> <p>Several UPS's for UU</p> <p>We have supplied AC & DC solutions for industrial process applications.</p> | <p>Multiple</p> <p>BO6601 <£50K</p> | <p>Jun 2009</p> |
| <p>➤ ATG</p> <p>4 x IP54 UPS in small floor panel
2 x 30kVA IP54</p> <p>Designed and supplied various IP54 UPS Enclosures</p> | <p>Multiple</p> <p>BO6612 <£50K
BO6899 <£50K</p> | <p>Jun 2009
Jan 2010</p> |
| <p>➤ Cortina</p> <p>480VDC/40A Charger
4 x Riello MDT UPS</p> <p>Supply large charger for industrial battery application.</p> | <p>Multiple</p> <p>BO6624 <£50K
BO6677 <£50K</p> | <p>Jun 2009
Aug 2009</p> |

[...previous](#)

[continued...](#)

DESCRIPTION



Back to
Manufacturing List

Manufacturing



Back to Front Page

➤	Aston Dane Comet EX RT/11kVA + 3 x EBM UPS for 19" rack process application	BO6641 <£10K	Jul 2009
➤	Costain PW9355/10kVA IP54 & 1.5kVA Wall & 2kVA Wall	BO6692/3/5 <£50K	Aug 2009
➤	GCA 2 x IP54 Wall UPS for Water Company	BO6790 <£10K	Nov 2009
➤	CEF/nPower Borri B1031 20kVA IP54 UPS for Wind Turbine	BO6807 <£50K	Nov 2009
➤	CEMA 40kVA IP54 Valve Actuators for Yorkshire Water.	BO6833 <£50K	Dec 2009

...previous

continued...

DESCRIPTION



Back to
Manufacturing List

Manufacturing



Back to Front Page

➤	MCS		Multiple	
	2 x 10-12kVA IP54 UPS for Welsh Water	BO6863	<£50K	Dec 2009
	1 x 12kVA IP54 for Welsh Water	BO6867	<£10K	Jan 2010
	We have supplied many 3 phase UPS for actuator applications.			
➤	Aecom		BO6904	
	Borri 60kVA		<£50K	Jan 2010
	For Isle of Wight WWTW.			
➤	TMD Friction		BO6977	
	1 x IP54 1400W Enclosure with no UPS		<£10K	Mar 2010
	For Isle of Wight WWTW.			
➤	Black & Veatch		Multiple	
	5 IP54 (Wall A) 9130 2kVA UPS	BO7187	<£50K	Aug 2010
	3 x 3PH Riello UPS	BO7200	>£50K	Aug 2010

...previous

continued...

DESCRIPTION



Back to
Manufacturing List

Manufacturing



Back to Front Page

- | | | | |
|---|---|---|-------------------|
| ➤ | NOMENCA (North Midland Construction) | BO7380 | |
| | 10kVA & 15kVA Riello MLT UPS Systems | <£100K | Jan 2011 |
| | Supply of multiple 3 Phase UPS systems being built into ICA Panels for Frankley WTW refurbishment project. A standard UPS selection allowed for a simplified design and ease of support. | | |
| ➤ | ABB Ltd | BO7457 | |
| | 2 x Riello 11kVA EX RT 19" Rack Systems – OYSTER II | <£50K | Mar 2011 |
| | Supply of 2 x 11kVA UPS systems providing 7.2kW autonomy for 60 minutes. These systems are backed by a 15kVA diesel generator providing 65 hours runtime to support control equipment for the Aquamarine Oyster II Wave Energy project in Orkney. | | |
| ➤ | CEMA | Multiple | |
| | IP54 Wall B Eaton 9130 3kVA + EXB & Bypass | BO7541/42
/43/44/45/
46/47 | >£20K
Jun 2011 |
| | Supply of 7 x IP54 Wall Panels providing 3kVA for 15 minutes. Panels provided for Yorkshire Water including WIMES 3.07 specification. | | |

DESCRIPTION



Back to
Manufacturing List

Manufacturing



- **MCS** **BO7473**
Brighton & Hove Albion Flushing Panel >£20K Jun 2011
Harland Simon supplied Eaton 9355 15kVA Ups in IP54 with supporting batteries for 3 hours autonomy at full load. The system was specifically to fit in 1 x UPS cubicle plus 3 x battery cubicles to allow it to be delivered to an area with restricted access at final location.

- **MCS** **BO7583**
Brighton Marina <£10K Jun 2011
Supplied 8kVA UPS designed to provide 3.5kVA for 3 hours. System supplied in same IP54 format as BO7473 but with 1 x UPS cubicle and 1 off battery cubicle.

- **Lintott – Albert Road & Thrum Hall WTW** **BO7609**
2 x Eaton 9355 IP54 >£25K Jul 2011
Supply of 2 x IP54 systems housing 8kVA 9355 UPS to support emergency actuator closing. One system supporting the simultaneous closing of 8 actuators.

REFERENCE SITE LIST






Back to Index



Back to Front Page

Marine/Petrochem



Job Title/Customer	Job Number	Type of Installation	Case Study
MCI Electrotechnics – North Sea	BO4390	Supply of 8kVA Marine Lloyds Certified UPS for offshore rigs	
Hamworthy Combustion Systems Electrical Power Engineering	BO4974	Design and Supply IP54 AC UPS using Vantage NiCad Batteries	
BO5409	BO5409	Supply of 4kVA redundant UPS System	
James Fisher – Japan	BO5357	Design and Supply of 8kVA Marine UPS to include and install 24VDC Power Supply	
ABMAS – North Sea	BO4969	Supply of 10kVA Marine Lloyds Certified UPS Systems	
Peto – de Beers	BO4920/5004	Supply of various Marine Lloyds Certified UPS Systems	
Consafe – Karachaganak	BO2686	Supply of 2 x redundant 40kVA AC UPS & 110VDC 10A DC Charger housed in an Explosive Proof Enclosure	
British Gas Trinidad	BO4411	3 x 15kVA Parallel AC UPS complete with 20 year life Batteries, Transformers and Switchgear	
Silvertech – Russia	BO5158	Custom built AC and DC UPS with a backup time of 24 hours, housed in an IP54 Enclosure	
Monitor Oil – North Sea	BO5110	Custom built AC and DC UPS complete in a 19" Rackmount Enclosure	
Silvertech – Russia	BO5111/5294	Supply 2 x 8kVA/80 Minute PW9155M UPS	
Silvertech - Dubai	BO6262	Supply 3 x PW9155 UPS's plus 8 Hour Batteries - USA Version for Libya	
ABMAS – North Sea	BO6288	Supply 2 x 8kVA PW9155M UPS's	
James Fisher	BO6365	Supply 15kVA PW9155M UPS	

continued...



Marine/Petrochem



Back to Index



Back to Front Page

Job Title/Customer	Job Number	Type of Installation	Case Study
ICS TRIPLEX Silvertch	BO6395	PW9130/3kVA UPS & Battery Pack	
Wärtsilä	BO6557	Supply DPT 110/30, 110DC 30A Charger in Wall Mount Enclosure	
Blue Water Marine – Ship	BO3365/4232	Marine DNV Certified UPS complete with full on-board service	
deViers Ship – Ship	BO4920	Marine DNV Certified UPS	
Shell Oil – Ship	BO1603	Marine Certified 8kVA UPS	
Tyco – Norwich	BO6601	Several 9130/3kVA 60 min UPS's + loose batteries in stainless steel enclosure	
Northern Maine Management	BO7127-31/43/44	24 x EX1500VA RT2U Marine UPS and Batteries (Export/USA)	
L3 Communications	BO7004	7 x 7kVA 30 min IP23 ABS Marine UPS (Export/USA)	
Yokogawa	BO7084	5 x Chloride + NICD (Export/Bahrain)	
L3 Communications	BO7156	6 x 3kVA Marine UPS (Export/USA)	
L3 Communications	BO7256	7 x 7kVA 30 min IP23 ABS Marine UPS (Export/USA)	
Rolls Royce	BO7313	4 x Marine UPS	
MOL Tankship	BO7341-61	21 x Eaton 9130 3kVA Marine UPS	
Applied Satellite Engineer	Multiple	Citadel DC UPS (Export)	

REFERENCE SITE LIST



Back to Index



Back to Front Page

Marine/Petrochem



Job Title/Customer	Job Number	Type of Installation	Case Study
Ships Electrical Services	BO7576	Citadel DC UPS	
Stratos BV	BO7590	Citadel DC UPS (The Netherlands/Export)	
Rolls Royce	BO7632	6 x Arcon ST Inverters	
ADM	BO????	70 x Citadel DC UPS	
Satcom Global	BO7668	33 x Citadel DC UPS	
Globe Wireless	BO7697	35 x Citadel DC UPS (USA/Export)	

...previous

DESCRIPTION



[Back to
Marine/Petro List](#)

Marine/Petrochem



[Back to Front Page](#)

- | | | | |
|---|--|---------------|------|
| ➤ | MCI Electrotechnics – North Sea | BO4390 | |
| | 8kVA UPS | <£10K | 2005 |

Harland Simon provided an 8kVA Marine Lloyds Certified UPS for Installation on Offshore Rigs in the North Sea.

- | | | | |
|---|-------------------------------------|---------------|------|
| ➤ | Hamworthy Combustion Systems | BO4974 | |
| | IP54 1 Phase AC UPS 8kVA UPS | <£50K | 2004 |
| | IP54 1 Phase NiCad AC UPS | <£50K | 2006 |

Harland Simon were awarded the contract to design, manufacture and supply UPS Systems complete with High Performance Batteries, with the most recent using our Vantage NiCad Batteries housed within IP54 Enclosures. The contract also included Factory Witness Testing and Documentation.

- | | | | |
|---|-------------------------------------|---------------|------|
| ➤ | Electrical Power Engineering | BO5409 | |
| | 4kVA UPS | <£10K | 2007 |

Harland Simon provided a 4kVA UPS System complete with a redundant power module.

continued...

DESCRIPTION



Back to
Marine/Petro List

Marine/Petrochem



➤ James Fisher – Japan

BO4659/5357

8kVA UPS	<£50K	2006
24VDC Power Supply	<£10K	2006
15kVA UPS	<£10K	2007

Harland Simon provided an 8kVA Marine Lloyds Certified UPS in addition to the 24VDC 2kW Power Supply for Shipping and Installation in Japan. In 2007 we were asked to supply a larger 15kVA Marine Lloyds Certified UPS System to accommodate their new power requirement for this site.

➤ ABMAS

BO4969

4 x 10kVA UPS	<£50K	2006
---------------	-------	------

Harland Simon provided 4 x 10kVA Marine Lloyds Certified UPS's for Installation on Offshore Rigs in the North Sea.

➤ Peto Netlift / de Beers

BO4920/5004

60kVA Parallel Redundant AC UPS	<£100K	2006
10kVA Dual AC UPS	<£50K	2006

Harland Simon UPS provided a 60kVA 2 + 1 Marine Lloyds Certified PW9390 UPS system complete MODBUS communications for use within a marine environment.

Following our success of this project, we were subsequently awarded a second contract to provide a 10kVA dual Marine Lloyds certified PW9355 UPS again with MODBUS communications.

...previous

continued...

DESCRIPTION



Back to
Marine/Petro List



Back to Front Page

Marine/Petrochem



- | | | | |
|---|---|--------------------|------|
| ➤ | Consafe Engineering - Karachaganak | BO4659/5357 | |
| | 2 x Custom Built AC & DC UPS | >£100K | 1999 |
| | Harland Simon UPS was awarded a contract to supply dual redundant AC & DC UPS Systems for the Karachaganak Unit 3 Oil Field development in Kazakhstan. The UPS provides critical backup emergency power to the oil field control and monitoring station including safety system shutdown power. | | |
| ➤ | British Gas - Trinidad | BO4969 | |
| | 3 x 15kVA Parallel AC UPS | >£100K | 2005 |
| | Harland Simon UPS designed a custom built 3 x 15kVA Parallel Marine UPS's complete with 20 year life batteries, transformers and switchgear to replace an old faulty UPS. | | |
| ➤ | Silvertech - Russia | BO5158 | |
| | Custom Built AC & DC UPS | <£50K | 2006 |
| | Harland Simon were awarded the contract to Supply a 3kVA AC UPS and a 24VDC Charger System complete with High Performance Batteries with a backup of 24 hours, housed within an IP54 Enclosure supporting critical communications and safety systems in Russia. | | |
| ➤ | Monitor Oil – North Sea | BO5110 | |
| | Custom Built AC & DC UPS | <£50K | 2006 |
| | Harland Simon were awarded the contract to supply a Dual AC & DC UPS complete within a 19" Rackmount Enclosure. We carried out all associated site work in addition to the Project Management. | | |

...previous

continued...

DESCRIPTION



[Back to Marine/Petro List](#)



[Back to Front Page](#)

Marine/Petrochem



- **Silvertech – Russia** **BO5111/5294**

2 x PW9155M/8kVA 80 mins UPS's <£50K 2007

Harland Simon supplied 2 Pairs of 8kVA/80 minute PW9155M UPS complete with special paint finish and fixing brackets. Silvertech then fitted these into special containers which were shipped to remote areas in Russia for Petrochemical monitoring applications.

- **Silvertech - Dubai** **BO6262**

3 x PW9155 UPS's + 8 hr batteries <£50K Oct 2008

Supplied 3 x PW9155 UPS's plus 8 Hour Batteries - USA Version - to Libya.

- **ABMAS – North Sea** **BO6288**

2 x 8kVA PW9155M <£50K Oct 2008

Supplied 2 x 8kVA PW9155 Marine UPS's which will be installed on North Sea rigs to support Helideck Lighting.

- **James Fisher** **BO6365**

15kVA PW9155M UPS <£50K Dec 2008

Supplied 15kVA PW9155M UPS, DC Power Supply, 3 hour Battery Power plus Lloyds Marine Inspection. Installed on BNFL ship in Japan.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to
Marine/Petro List

Marine/Petrochem



Back to Front Page

- **ICS TRIPLEX Silverttech** **BO6395**
PW9130/3kVA UPS & Battery Pack **<£10K** **Jan 2009**
Harland Simon secured a contract to supply a UPS System to provide backup for a Fire Safety Control System at Trawsfynydd Nuclear Power Station , as part of the decommissioning of the site. The System included an Extended Runtime Battery Cubicle sited remotely from the UPS to provide Autonomy of 3 hours for a 1.6kW Load.
- **Wärtsilä** **BO6557**
110VDC 30A Charger **<£10K** **May 2009**
Harland Simon supplied a 110VDC/30A Output, 440V 3 Phase (3 Wire) Input Marine Charger in a Wall Mount Enclosure. The Enclosure was protected to IP31 with a Lockable Front access Door. The Charger was a Constant Voltage Thyristor controlled type with Current Limit, Float and Boost Charging Levels.
- **Blue Water Meridian/Marine Ship** **BO3365/4232**
4 x 60kVA UPS **>£100K** **2004 – 2006**
Harland Simon provided 4 x 60kVA Marine DNV Certified UPS's. We also provided full on-board services including: Delivery, Welding, Battery Build, Commissioning, Testing and Training.

DESCRIPTION



Back to
Marine/Petro List

Marine/Petrochem



Back to Front Page

- | | | | |
|---|--|------------------------|----------|
| ➤ | deViers Ship – Ship | BO4920 | |
| | 3 x 60kVA UPS | <£100K | 2006 |
| | 2 x 10kVA UPS | <£50K | 2006 |
| | Harland Simon provided 6 x Marine DNV Certified UPS's. We also provided full on-board services including: Delivery, Welding, Battery Build, Commissioning, Testing and Training. | | |
| ➤ | Shell Oil – Ship | BO1603 | |
| | 8kVA UPS | <£10K | 2006 |
| | Harland Simon provided Marine DNV Certified UPS including Commissioning. | | |
| ➤ | Tyco – Norwich | BO6601 | |
| | Several 9130/3kVA 60 min UPS's + loose batteries in stainless steel enclosure | <£10K | Jun 2009 |
| | Harland Simon designed a special stainless steel enclosure. | | |
| ➤ | Northern Marine Management | BO7127-31/43/44 | |
| | 24 x EX1500VA RT2U Marine UPS & Batteries | <£50K | Jul 2010 |
| | NMM came to Harland Simon to source a new marine UPS to replace the old product to protect sensitive equipment on their fleet of vessels. | | |

...previous

continued...

DESCRIPTION



Back to
Marine/Petro List



Back to Front Page

Marine/Petrochem



- **L3 Communications** **BO7004**
7 x 7kVA 30 mins AC Integrated Marine UPS <£100K Mar 2010
Harland Simon designed and manufactured 7 x custom rugged marine IP23 UPS to support dynamic positioning equipment on vessels approved by ABS.

- **Yokogawa** **BO7084**
5 x Chloride +NICD <£50K Jun 2010
Harland Simon designed a compact modular UPS complete with NiCAD batteries and sophisticated control switchgear to protect monitoring equipment at SABIC.

- **L3 Communications** **BO7156**
6 x 3kVA 30 mins AC Integrated Marine UPS <£50K Jul 2010
Designed and supplied 6 small compact rugged 3kVA marine UPS for dynamic positioning equipment approved by GL (Germanischer Lloyd)

- **L3 Communications** **BO7256**
7 x 7kVA 30 mins AC Integrated Marine UPS <£100K Oct 2010
Harland Simon designed and manufactured a further 7 x custom rugged marine IP23 UPS to support dynamic positioning equipment on vessels approved by ABS.

...previous

continued...

DESCRIPTION



Back to
Marine/Petro List

Marine/Petrochem



Back to Front Page

- **Rolls Royce** **BO7313**

4 x Marine UPS <£100K Dec 2010

We received an order from Rolls Royce, Bristol to design and supply 4 x 3kVA/30 minute rugged IP54 UPS systems. These UPS will support the gas turbine engine control systems on the new QE class aircraft carriers.

- **MOL Tankship** **BO7341-61**

21 x Eaton 9130 Marine UPS <£50K Jan 2011

We received orders for 21 Eaton 9130 3kVA UPS systems for MOL Tankship, 7 were for 230V units and 14 were for 120V units to be installed on each of 21 ships.
We supplied input and output cables to allow installation on the vessel.

- **Applied Satellite Engineer** **Multiple**

24 x Citadel DC UPS **BO7513/7557/7580** £12K May/June 2011

Harland Simon has been nominated as the approved supplier for DC UPS systems to support the ASE Citadel Anti-Piracy Vessel mounted Emergency Communications System. Export to USA.

DESCRIPTION



[Back to Marine/Petro List](#)



[Back to Front Page](#)

Marine/Petrochem



- **Ships Electrical Services (SES)** **BO7576**
25 x Citadel DC UPS **<£13K** **Jun 2011**
DC UPS systems to support the Citadel Anti-Piracy Vessel mounted Emergency Communications System.
- **Stratos BV** **BO7590**
20 x Citadel DC UPS **<£11K** **Jun 2011**
DC UPS systems to support the Citadel Anti-Piracy Vessel mounted Emergency Communications System. Export to The Netherlands.
- **Rolls Royce** **BO7632**
6 x Arcon ST Inverters **<£22K** **Jul 2011**
Harland Simon has an ongoing project to supply Inverters destined for a military marine application. We support Rolls Royce in the supply and support of these custom built products.
- **Satcom Global** **BO7668**
33 x Citadel DC UPS **<£16K** **Aug 2011**
DC UPS systems to support the Citadel Anti-Piracy Vessel mounted Emergency Communications System.

[...previous](#)

[continued...](#)

DESCRIPTION



Back to
Marine/Petro List



Back to Front Page

Marine/Petrochem



- | | | | |
|---|---|---------------|----------|
| ➤ | Globe Wireless | BO7697 | |
| | 35 x Citadel DC UPS | <£17K | Sep 2011 |
| | DC UPS systems to support the Citadel Anti-Piracy Vessel mounted Emergency Communications System. | | |




Transportation



Back to Index



Back to Front Page

Job Title/Customer	Job Number	Type of Installation	Case Study
Thales – Croydon Tram Link	BO2855	Design, Manufacture and Supply a range of AC & DC UPS to support signalling equipment	
Siemens Railtrack East Coast ML	BO1107	50 x Extended Runtime Battery Packs and special Bypass/Distribution Panels	
Chloride – London Underground	BO3494/4611 /18/4736/99	Ongoing Supply of Extended Runtime Battery Packs and Customised UPS	
Optilan/Railtrack – Kings Cross	BO4363	Modification of 20 x Rugged 1kVA UPS for Trackside Cabinets for Signalling	

DESCRIPTION



Back to
Transportation List

Transportation



Back to Front Page

➤	Thales / Rittal - Croydon Tramlink	BO2855	
	45 x 2kVA AC UPS	>£100K	2001
	1 x 20kVA UPS	<£50K	2002
	4 x DC UPS	<£50K	2003

Harland Simon UPS was awarded the contract to supply AC & DC UPS to support the control, communications and signalling equipment for the Croydon Tramlink.

The contract was awarded to Harland Simon UPS by Rittal who were a sub-contractor to Thales Information Systems.

➤	Siemens – Railtrack East Coast ML	BO1107	
	50+ Batteries and Distribution Panels	>£100K	1997

Harland Simon supplied Siemens Transportation with over 50 Extended Runtime Battery Packs and specially built Bypass/Distribution Panels to support the Siemens UPS Module which supports the Trackside Communication Equipment.

➤	Chloride – London Underground	BO4618/4736/4799/4611/3494	
	UPS, Batteries, Chargers and Enclosures	<£100K	2004 - ongoing

BO3494 & BO4611 - 19 x Free Standing Battery Packs to support 2kVA UPS's for 4 hours to LUL specification.

BO4618 - 4 x IP54 Enclosures to house 6/10kVA UPS plus 90 minute Batteries.

BO4736 - 38U IP54 Enclosure to house 2 x 10kVA UPS with Batteries on Shelves.

BO4799 - 3 x IP54 Rack Systems each comprising 3 x 10kVA UPS's, Cross Switch and Chargers.

Chloride are the approved UPS supplier to London Underground. Chloride have appointed Harland Simon as their Approved Power Partner to supply Extended Runtime Battery Packs and Customisation of UPS to meet LUL specification.

continued...

DESCRIPTION



Back to
Transportation List

Transportation



Optilan/Railtrack – Kings Cross

BO4363

20 x 1kVA UPS System

<£50K

2005

Harland Simon supplied 20 x modified rugged 1kVA AC UPS Systems with Chargers, Batteries and Communications Cards to fit into Trackside Cabinets for Signalling.

REFERENCE SITE LIST




Back to Index



Back to Front Page

Utilities



Job Title/Customer	Job Number	Type of Installation	Case Study
British Nuclear Power (BNFL)		Installation of various UPS since 1999 across many UK Sites	
ABNA Factory - Maindec	BO3446	Supply and Installation of 60kVA UPS and 150kVA Generator to support Main Server Room	
Purac – Bromborough	BO1930	Design and Installation of IP54 3 Phase AC UPS Systems	
Blackburn Starling		Supply of various AC & DC UPS over 5 years to suit a broad range of requirements	
Galliford Costain/Atkins JV		Design and Installation of IP54 3 and 1 Phase AC UPS Systems	
United Utilities – Southport	BO5393	Supply of 5kVA UPS System to support 3 hours via our Extended Runtime Battery Packs	
AT Group – Wayoh WTW	BO5293	Supply and Commissioning of IP42 3 Phase AC UPS System	
CSE Servelec – Gt Yarmouth PS	BO5433	Supply, Installation and Commissioning of 3kVA N+1 UPS System	
Tyco Integrated Systems	BO5431	Supply, Delivery and Commissioning 6kVA UPS System in IP31 Enclosure	
Galliford Costain/Atkins JV	BO5443	Supply, Delivery and Commissioning 10kVA UPS System in IP54 Enclosure	
Agrilek – Castle Carrock WWTW	BO5474	Supply, Delivery and Commissioning of 15kVA UPS System	
Tyco – Limehouse Tunnel	BO5585	Supply, Delivery and Commissioning of 4 x AC UPS Systems each to support 4 hours	

continued...




Back to Index



Back to Front Page

Utilities



Job Title/Customer	Job Number	Type of Installation	Case Study
Lintott Controls –SW Tarkskavavaig	BO5557	Supply of 2kVA IP54 Rackmount UPS System	
Lintott – Scottish Water	BO5607/5615/ 5616/5628/5684/ 5695/5729	Supply of 12 x IP54 Rackmounted UPS Systems to support 1300VAC for 12 hours	
AND Automation	BO6230	Supply 15kVA UPS to a Water Company	
TES NI Ltd	BO6234	Supply 80kW IP54 Converter to Scottish Water	
South West Water	BO6370	Supply Riello 10kVA	
CEMA – Yorkshire Water	BO6515	2 x IP54 Wall Enclosures	
CEMA – Yorkshire Water	BO6514/15/46	2 x IP54 Wall Enclosures	
Galliford Try Costain/Atkins JV	BO6080	Supply IP54 3 Phase 20kVA UPS	
Scottish Water Solutions	BO6599	Cyclic UPS MLT15 + Battery Cubicle + NPC38-12	
National Grid	BO7460	1 x Eaton 6kVA 9130 & 2 x EXB	
United Utilities	BO7460	2 x 20kVA IP54 Positive Pressure Systems	

DESCRIPTION



Back to Utilities List

Utilities



- | | | | |
|---|---|---------------|-------------|
| ➤ | British Nuclear Power (BNFL) | BO3078 | |
| | 1 x DC UPS | <£50K | 1999 |
| | 3 x AC UPS | <£50K | 2002 |
| | 1 x AC UPS | <£10K | 2004 |
| | <p>Harland Simon were asked to Manufacture a DC UPS to provide Critical BackUp Power for an Evacuation Alarm at Sellafield for Tyco. Chubb, a major manufacturer of Security Systems requested Harland Simon to supply a number of AC UPS to provide BackUp Power for the Crucial Security System at a Nuclear Power Station.</p> | | |
| ➤ | ABNA Factory - Maindec | BO3446 | |
| | UPS and Generator | <£100K | 2004 |
| | <p>Harland Simon provided a 60kVA UPS and a 150kVA Generator to Protect the Main Server Room. We also undertook Site Building, Mechanical and Electrical Works.</p> | | |
| ➤ | Bromborough WWTW – Purac / United Utilities | BO1930 | |
| | 3 x IP54 3 Phase AC UPS | >£50K | 2002 - 2004 |
| | <p>AMEC-PURAC Joint Venture, a £28 million contract to provided new treatment facilities at Bromborough Wastewater Treatment Works. As part of this contract Purac awarded Harland Simon UPS a sub-contract to design, supply and install various UPS.</p> | | |

[Back to Utilities List](#)

Utilities



- **Blackburn Starling** **BO1603**
 300+ AC UPS & Batteries >£100K 1999 – ongoing
- Harland Simon have supplied Special and Standard AC & DC UPS for over 5 years. We have supplied standard Powerware & MGE AC UPS as well as Customised IP54 Systems and Extended Runtime Battery Solutions to be installed into MCC Panels to support SCADA, PLC and Emergency Pumps all over the UK and Ireland at Water Treatment Plants.
- **Galliford Costain/Atkins Joint Venture**
- | | | |
|---------------------|-------|------|
| IP54 3 Phase AC UPS | <£10K | 2006 |
| IP54 1 Phase AC UPS | <£10K | 2006 |
| IP54 1 Phase AC UPS | <£10K | 2006 |
- Harland Simon were awarded the contract to Design, Manufacture and Supply 3 x UPS Systems complete with High Performance Batteries housed within IP54 Enclosures. The contract included Full Site Services.
- **United Utilities – Southport** **BO5393**
 5kVA UPS with Long Runtimes <£10K 2007
- Harland Simon were awarded the contract to Supply and Deliver a 5kVA UPS System capable of supporting 3 hours. We achieved this above average Runtime by using our specially designed Extended Runtime Battery Packs which come ready assembled in an IP21 Enclosure.

DESCRIPTION



[Back to Utilities List](#)

Utilities



- | | | | |
|---|---|---------------|------|
| ➤ | AT Group –Wayoh WTW | BO5293 | |
| | IP54 3 Phase AC UPS | <£50K | 2006 |
| | Harland Simon were awarded the contract to Supply, Deliver and Commission a 30kVA UPS System to support 3 hours housed within our IP42 Enclosure complete with 10 year design Life Batteries. | | |
| ➤ | CSE Servelec – Gt Yarmouth Power Station | BO5393 | |
| | 3kVA N+1 AC UPS | <£50K | 2007 |
| | Harland Simon were awarded the contract to Supply, Deliver, Install and Commission a 3kVA N+1 System ensuring the entire system has no single point of failure. | | |
| ➤ | TYCO Integrated Systems – BNFL | BO5431 | |
| | 6kVA AC UPS | <£50K | 2007 |
| | Harland Simon supplied an IP31 19" Rackmounted UPS Solution for use on a BNFL site. Our contract included not only our Custom Designed Rackmount IP31 Enclosure but also a Step Down Transformer to accommodate 110VAC output. We also undertook Factory Witness Testing and on-site Commissioning. | | |
| ➤ | Galliford Costain/Atkins Joint Venture – Prenton WTW | BO5443 | |
| | 10kVA AC UPS | <£50K | 2007 |
| | Harland Simon were awarded the contract to Supply, Deliver and Commission a 10kVA Powerware PW9355 housed completely within our IP54 Enclosure. The Design of this system also allowed for both a 400VAC and a 110VAC output, as specified by the client. | | |

[...previous](#)

[continued...](#)

DESCRIPTION



Back to Utilities List

Utilities



- **Agrilek – Castle Carrock WWTW** **BO5474**
15kVA UPS **<£10K** **2007**
Harland Simon were awarded the contract to Supply, Deliver and Commission a 15kVA 3 Phase UPS System for use on a WWTW Site in Cumbria.
- **Tyco – Limehouse Tunnel** **BO5585**
4 x AC UPS System **<£50K** **2007**
Harland Simon were awarded the contract to Supply, Deliver and Commission 1 x 15kVA, 1 x 10kVA and 2 x 3kVA AC UPS Systems each to support 4 hours complete with SNMP Communications. Our Site Services included the Delivery and Positioning, Battery Build and Commissioning of each unit.
- **Lintott Controls – SW Tarkskavavaig** **BO5557**
2kVA IP54 UPS System **<£10K** **2007**
Harland Simon supplied a 2kVA UPS System capable of supporting 12 hours, housed in an IP54 19" Rack Enclosure.
- **Lintott – Scottish Water** **BO5607/5615/5616/5628/5684/5695/5729**
12 x IP54 Rackmounted UPS Systems **<£100K** **2007**
Harland Simon were awarded the contract to Supply approx. 12 x 19" Rackmounted IP54 UPS Systems to support various loads totalling 1298VA for 12 hours plus Fast Charger and Distribution, etc. The Systems were configured to be installed into Prefabricated Containers at various remote Scottish Water Sites.

...previous

continued...

DESCRIPTION



Back to Utilities List

Utilities



Back to Front Page

- **AND Automation** **BO6230**
15kVA UPS <£10K Sep 2008
Supply 15kVA UPS which will be installed within the Customer's Panel for a Water Company application.
- **TES NI Ltd** **BO6234**
80kW IP54 Converter <£50K Sep 2008
Supply 80kW IP54 Converter for Single Phase Supply to Three Phase and support all critical equipment on site in Altnaharra for Scottish Water.
- **South West Water** **BO6370**
Riello 10kVA UPS <£10K Dec 2008
Supplied Riello 10kVA UPS to support Site Monitoring Equipment.
- **CEMA – Yorkshire Water** **BO6515**
2 x IP54 Wall Enclosure UPS's <£10K Apr 2009
This was a contract to Supply 2 x IP54 Wall Mount Enclosures for a Yorkshire Water site in Doncaster. The systems consist of a 3kVA UPS to backup an 11A Load for 15 minutes. A separate Battery Pack was incorporated into the system to provide the Autonomy.

...previous

continued...

DESCRIPTION



Back to Utilities List

Utilities



- **CEMA – Yorkshire Water** **BO6514/6546**
2 x IP54 Wall Enclosure UPS's <£10K May 2009

Part of a contract to supply IP54 Wall Enclosures for Yorkshire Water sites. Each Enclosure contains a UPS to support a 1kVA Load for 15 minutes. Enclosures were supplied complete with External Bypass Switches and painted in Yorkshire Water Colours.

- **Galliford Try Costain-Atkins Joint Venture - Bolton WTW** **BO6080**
3 x IP54 3 Phase AC UPS <£50K Jun 2008

Galliford Try-Costain-Atkins Joint Venture was awarded a number of contracts by United Utilities as part of a £2.9 billion Asset Management Programme (AMP4) covering water and wastewater improvements throughout NW England.

- **Scottish Water Solutions** **BO6599**
Cyclic UPS MLT15 + Battery Cubicle + NPC38-12 <£10K Jun 2009

- **National Grid** **BO7425**
1 x Eaton 6kVA 9130 & 2 x EXB <£10K Feb 2011

We supplied a replacement unit for a faulty system which has provided Harland Simon with the ability to become an approved supplier to the National Grid.

...previous

continued...

DESCRIPTION



Back to Utilities List

Utilities



United Utilities

BO7460

2 x 20kVA IP54 Positive Pressure Systems

<£50K

Mar 2011

United Utilities have had issues with 2 off 3 Phase UPS's used to ensure Actuator operation in event of flooding at the Birkenhead WWTW.

We have custom designed and built 2 x Positive Pressure IP54 systems to exclude Hydrogen Sulphide Gas which can corrode the circuit boards and components of the UPS systems.



Industrial

Case Studies

 [Back to Front Page](#)

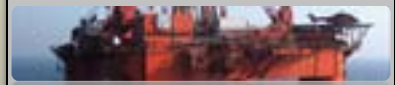
Manufacturing

[Glasswell](#)



Marine/Petrochem

[De Beers](#)
[Consafe](#)
[Trinidad](#)



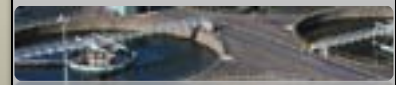
Transportation

[Thales](#)



Utilities

[Purac](#)
[Bolton WTW](#)





Back to Case
Studies List



Back to Front Page

Manufacturing



➤ Glasswell & Last

2 x 2kVA UPS

BO6578

>£10K

May 2009



Harland Simon won the contract to supply 2 x UPS systems to provide backup power to a control panel ICA section containing 2 PLC's and remote slave control panels with remote I/O to the main PLC.

Each system comprises a 2kVA UPS and separate battery cubicle on castors to provide backup for 5 hours in the event of mains failure.

The client is Glasswell & Last, Electrical Contractors and Control Panel Design and Manufacturers based in Bury St. Edmunds, The end user is Hexcel (Duxford, Cambs) manufacturers of carbon fibre and composites.



- Each system provides backup of a 6A load for 5 hours in the event of mains failure
- Other backup times available
- Plug and play battery cubicle for integration with any UPS
- Recharge time selectable: 12, 24 or 48 hours
- Extra long DC leads available for remote sighting of battery cubicle
- Supplied on castors for ease of installation

continued...

DESCRIPTION



Back to Case
Studies List



Back to Front Page

Marine/Petrochem



➤ Peto Netlift/de Beers

BO4920/5004

60kVA Parallel Redundant AC UPS
10kVA Dual AC UPS

>£100K
>£50K

2006
2006



Harland Simon UPS provided a 60kVA 2+1 fully marinised and Lloyds certified PW9390 system complete MODBUS communications for use within a marine environment.

Following our success of this project, we were subsequently awarded a second contract to provide a 10kVA dual, fully marinised and Lloyd's certified PW9355 again with MODBUS communications.



- Custom design and build
- 60kVA parallel redundant AC UPS
- 10kVA dual AC UPS
- Fully marinised and Lloyds certified

...previous

continued...

DESCRIPTION



Back to Case
Studies List



Back to Front Page

Marine/Petrochem



➤ Consafe Engineering/Karachaganak

BO2686

2 x Custom Built AC & DC UPS

>£100K

1999



Harland Simon UPS was awarded a contract to supply dual redundant AC & DC UPS Systems for the Karachaganak Unit 3 Oil Field development in Kazakhstan.

The UPS provides critical backup emergency power to the oil field control and monitoring station including safety system shutdown power.

The system comprised of design, manufacture, factory testing, project management, export packaging, delivery and site commissioning.

Harland Simon provided customised AC & DC UPS to meet detailed customer specifications on rating, runtime, overload and temperature.



- Dual redundant 15kVA & 40kVA single phase AC UPS
- Dual redundant 10A/110vDC DC UPS
- 20 year life nickel cadmium batteries
- EEX-D explosion proof battery circuit breakers

DESCRIPTION



Back to Case Studies List



Back to Front Page

Marine/Petrochem



➤ **British Gas/Trinidad**
3 x 15kVA Parallel AC UPS

BO4411

<£100K

2005



Harland Simon UPS designed a custom built 3 x 15kVA parallel marinated UPS complete with 20 year life batteries, transformers and switchgear to replace an old faulty UPS.

The UPS had to fit within a specified space and give increased power. We also performed factory witness and site commissioning with a rig ready engineer.



- Custom design & build
- 15kVA parallel marinated UPS
- 20 year life batteries

...previous

continued...



Back to Case
Studies List



Back to Front Page

Transportation



➤ Rittal/Thales/Croydon Tramlink

BO2855

45 x 2kVA AC UPS
1 x 20kVA UPS
4 x DC UPS

>£100K
>£50K
>£50K

2001
2002
2003



Harland Simon UPS was awarded the contract to supply AC & DC UPS to support the control, communications and signalling equipment for the Croydon Tramlink.

The 28km network links Wimbledon in the west with Beckenham/New Addington in the east via Croydon town centre.

The contract was awarded to Harland Simon UPS by Rittal who were a sub-contractor to Thales Information Systems (formally known as Syseca.)

Harland Simon provided a complete standby power solution for the control centre and tram stops including:

- 45 x 2kVA 19" rack AC UPS
- 5 x 12v & 48vDC power supplies
- 5 x battery charger
- 45 x custom built connection modules
- 8 hour 10 year design life batteries
- Project Management
- Site installation & Commissioning



DESCRIPTION



Back to Case
Studies List

Utilities



Back to Front Page

➤	Purac/United Utilities Bromborough WWTW	BO1930	
	3 x IP54 3 Phase AC UPS	<£100K	2002 - 2004



AMEC-PURAC Joint Venture, a £28 million contract to provide new treatment facilities at Bromborough Wastewater Treatment Works. As part of this contract Purac awarded Harland Simon UPS a sub-contract to design, supply and install various UPS.

The UPS systems supplied were installed at excess storm and primary tank locations on the Bromborough site to protect the main storm actuators which open or close the sluice gates which determine the wastewater flow. The design and build sub-contract awarded to Harland Simon UPS was completed in a 6 week period and required considerable detailed mechanical and electrical design.

Harland Simon provided three phase high power UPS for the valves and single phase UPS for the support and monitoring equipment.

- IP54 high ingress protection enclosures
- Three phase 30 – 60kVA AC UPS
- Single phase 1 – 6kVA AC UPS
- Bypass switches & extended runtime batteries
- CAD & project GANNT charts
- Site services



...previous

continued...

DESCRIPTION



Back to Case
Studies List

Utilities



Back to Front Page

- **Galliford Try-Costain-Atkins Joint Venture/United Utilities/Bolton WTW** **BO6080**
3 x IP54 3 Phase AC UPS **<£50K** **June 2008**



Galliford Try-Costain-Atkins Joint Venture was awarded a number of contracts by United Utilities as part of a £2.9 billion Asset Management Programme (AMP4) covering water and wastewater improvements throughout NW England.

Part of this contract involved significant refurbishment works on the existing Bolton Wastewater Treatment Works. Harland Simon UPS won the contract to supply and install 2 x UPS systems to backup storm and inlet actuators. The UPS systems supplied consisted of 20kVA 3 phase Borri UPS's fitted in IP54 sealed enclosures complete with thermostatically controlled anti-condensation heaters, fans and filters. An external maintenance bypass was installed to allow the UPS's to be totally isolated for maintenance and repair.



From point of order, the complete design, build and installation was completed in 7 days and involved a huge amount of co-ordination and project management, including highly detailed mechanical and electrical design.

- IP54 high ingress protection enclosures
- Three phase 20kVA AC UPS
- External maintenance bypass switch
- CAD drawings
- Project GANNT charts
- Site services including site survey, delivery and commissioning

Index

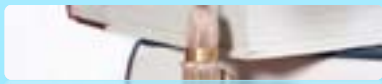
Public Sector



Back to Front Page

Education

Cambridge University –
Cambridge
University of East Anglia
European Case Clearing
House Ltd.
University of Westminster



Government

HM Government
Communications Centre
SSVC – MoD Radio
MoD Catterick
NAAFI
FCO



Health

Nestor Healthcare –
Birmingham
Glenfield Hospital – Leicester
Barnsley Hospital – Barnsley
Withenshaw Hospital –
Withenshaw
NHS South Manchester
NHS Springfield
South West London & St.
George's Mental Health
NHS Trust
North Lincs. & Goole NHS
Trust



Services



REFERENCE SITE LIST




Back to Index



Back to Front Page

Education



Job Title/Customer	Job Number	Type of Installation	Case Study
Cambridge University – Cambridge	BO3496	Supply 2 x 100kVA Parallel Redundant UPS and a 300kVA Generator	
Eyre – University of East Anglia	BO5338	Supply, delivery and commissioning of 800kVA Generator Set with remote monitoring	
ECCH Ltd	BO7078	EX RT 7kVA & Battery Pack	
University of Westminster	BO7102	MDT8000 + Battery Racks & Site Installation	

DESCRIPTION



[Back to Education List](#)



[Back to Front Page](#)

Education



- **Cambridge University** **BO3496**
2 x 100kVA UPS & Generator **>£100K** **2004**
Cambridge University nominated Harland Simon UPS as their main contractor to upgrade the Power Protection System to support their main computer system which supports the Cambridge wide educational network.
- **EYRE – University of East Anglia** **BO5338**
Generator **<£100K** **2007**
Harland Simon provided a 800kVA Generator Set with Remote Monitoring. We have also been awarded the maintenance contract for this equipment.
- **European Case Clearing House Ltd.** **BO7078**
EX RT 7kVA & Battery Pack **<£10K** **May 2010**
Provided and installed a 7kVA UPS system with Harland Simon Long Runtime Battery Pack to support ECCA's central server room supplying services to worldwide customers.
- **University of Westminster** **BO7102**
MDT8000 + Battery Racks & Site Installation **<£50K** **Jun 2010**
Harland Simon delivered a new 80kVA UPS + 60 minute battery system and relocated the existing 60kVA system to help the university with its long term strategy.

REFERENCE SITE LIST



Back to Index



Back to Front Page

Government



Job Title/Customer	Job Number	Type of Installation	Case Study
HM Government Communications Centre	BO4490	300 + 1kVA UPS Systems since 2001	
SSVC – MoD Radio	BS6117	Ongoing Maintenance of Existing 15kVA UPS System	
Balfour Kilpatrick – MoD Catterick	BO5613	Supply, installation and commissioning of DC Power System	
NAAFI	BO4825/4954	Supply, installation and commissioning of DC Power System	
FCO		Since 2007 we have supplied 50+ systems	

DESCRIPTION



[Back to Government List](#)



[Back to Front Page](#)

Government



- **HM Government Communications Centre** **BO4490**

300+ 1kVA UPS Systems since 2001 **>£100K** **2001 - ongoing**

Harland Simon are the nominated supplier to HM Government Communication Centre (HMGCC) for the Supply of their 1kVA UPS Systems. We have supplied over 300 UPS Systems since 2001.

- **SSVS – MoD Radio** **BS6117**

Maintenance Contract **2003 – ongoing**

Harland Simon have Maintained the 15kVA AC UPS located on-site since 2003. This is Supported with Yearly Preventative Maintenance Visits and guaranteed Response Times to Call Outs.

- **Balfour Kilpatrick – MoD Catterick** **BO5613**

DC Power System **<£50K** **2007**
13 x DC Isolators **<£10K** **2007**

Harland Simon were awarded the contract to supply, install and commission a DC Power System to support 56kw as specified by the consultant. We were subsequently asked to supply the DC Isolators as specified by the customer. Our Site Services included the delivery, positioning, electrical installation and on-site commissioning of the DC System.

continued...

DESCRIPTION



Back to
Government List



Back to Front Page

Government



- | | | | |
|---|---|--------------------|-----------------|
| ➤ | NAAFI | BO4825/4954 | |
| | UPS & Generator | <£50K | 2006 |
| | Harland Simon provided a 60kVA UPS and a 105kVA Generator. We also undertook the site building, mechanical and electrical works in addition to the maintenance contract for both systems. | | |
| ➤ | FCO (Foreign and Commonwealth Office) | | |
| | Various Chargers and Batteries | >£100K | 2007
ongoing |
| | Harland Simon designed and supplied a range of 24VDC and 48VDC chargers and battery packs to support communication equipment. | | |

REFERENCE SITE LIST



Back to Index



Back to Front Page

Health



Job Title/Customer	Job Number	Type of Installation	Case Study
Glenfield Hospital – Leicester	BS6032	Yearly Maintenance Contract for AC UPS Systems	
Barnsley Hospital – Barnsley	BO5418	Supply, Install, Commission and Maintain 2 x 40kVA UPS Systems to include Consultation	
Withenshaw Hospital	BO5929	Supplied various Single Phase Equipment across IT & Admin. centres.	
NHS South Manchester	BO6517	Supplied 2 x 5kVA PW9135 UPS	
NHS Springfield	BO6547	UPS Installation Survey	
South West London & St. George's Mental Heath NHS Trust	BO7068	APC Symmetra 32kW UPS and Site Work at Tolworth Hospital	
North Lincs. & Goole NHS Trust	BO7121	Supply 24 x EVO 1550 & SNMP & Bypass & IPM Software	

DESCRIPTION



Back to Health List



Back to Front Page

Health



- **Glenfield Hospital – Leicester** **BS6032**
Maintenance Contract **2001 - ongoing**
Harland Simon have been supporting the 3 x AC UPS at Glenfield Hospital since 2001 with yearly preventative Maintenance Visits and guaranteed Response Times to Call Outs.
- **NHS Barnsley Hospital** **BO5418**
2 x 40kVA UPS **<£100K** **2006 - 2007**
Harland Simon UPS worked as the primary consultant on this project and wrote the specification. We were subsequently awarded the contract to supply, install, commission and maintain 2 x 40kVA UPS Systems, with full Project Management given throughout the duration of the work.
- **Withenshaw Hospital** **BO5929**
PW9120/PW9125/Pulsar **<£50K** **2007 – 2008**
Harland Simon supplied Various Single Phase equipment across the hospital's IT infrastructure and Administration Centres.
- **NHS South Manchester** **BO6517**
2 x 5kVA PW9135 UPS **<£10K** **May 2009**
Harland Simon supplied 2 x 5kVA PW9135 UPS to support critical server equipment.

continued...

DESCRIPTION



Back to Health List



Back to Front Page

Health



- **NHS Springfield** **BO6547**
UPS Installation Survey **<£10K** **May 2009**
Harland Simon undertook a site survey to advise on the UPS & Electrical Installation requirements, we then provided a detailed site report.
- **South West London & St. George's Mental Heath NHS Trust** **BO7068**
APC Symmetra 32kW UPS and Site Work at Tolworth Hospital **<£50K** **May 2010**
HS supplied and installed a Modular UPS system within the new disaster recovery server room and also provided electrical installation services as part of the project to deliver new supply and electrical distribution.
- **North Lincs. & Goole NHS Trust** **BO7121**
Supply 24 x EVO 1550 & SNMP & Bypass & IPM Software **<£50K** **Jul 2010**
Assisting the trust in technology selection and delivering UPS systems, accessories and management software to enable the trust to better support its IT site infrastructure.

Public Sector

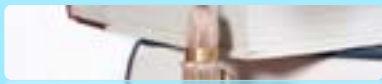
Case Studies



Back to Front Page

Education

[Cambridge University](#)



Government



Health

[Barnsley](#)



Services



DESCRIPTION



Back to Case
Studies List



Back to Front Page

Education



➤	Cambridge University	BO3496	
	2 x 100kVA UPS & Generator	>£100K	2004



Cambridge University nominated Harland Simon UPS as their main contractor to upgrade the power protection system to support their main computer system which supports the Cambridge wide educational network.

Harland Simon's role as main contractor included responsibility for all site activities including:

- Health and Safety
- Site access, control and monitoring
- Procurement of all main contractors including *building services, mechanical installation, electrical installation, air conditioning and generator*

The project was completed within budget and the 24 week project timescale.

The equipment provided was supplied strictly in accordance with the Cambridge University Estate Management Departments detailed technical specification.

- 300kVA diesel generator with 12 hour base tank
- N+1 redundant 100kVA/20 minute PW9340 UPS
- Electrical installation
- Building Services
- Project Management
- On-going service and maintenance of the entire installation



continued...

DESCRIPTION



Back to Case
Studies List



Back to Front Page

Health



➤	NHS Barnsley Hospital	BO5418	
	2 x 100kVA UPS & Generator	>£100K	2006 - 2007



Harland Simon UPS worked as the primary consultant on this project and wrote the specification and was subsequently awarded the contract to supply, install, commission and maintain w x 40kVA UPS systems, with full project management given throughout the duration of the work.

In addition to supplying the UPS systems, our site work involved partitioning, air conditioning installation, diamond drilling and the various AC/DC installation works.



- 2 x 40kVA AC UPS
- Site installation
- Project management
- On-going service and maintenance