



Nottingham Tramlink (NET 1) 3 hour AC/DC UPS Systems

Nottingham Express Transit (NET) is the light rail tramlink in Nottingham which opened in March 2004.

Bombardier Transportation UK Ltd. contracted Harland Simon UPS Ltd. to provide a UPS solution to support communication equipment for the 23 x tram stops, maintenance depot and main stations.

There were 3 x different specific loads, 3000 VA, 4000 VA and 5000 VA all to be supported for 3 hours autonomy.

The equipment was supplied in kit form for integration within the Bombardier outdoor enclosure so Harland Simon was able to carry out all installation and commissioning on site.



As part of the scope of supply Harland Simon provided the additional battery charger modules so that the batteries could be recharged within 12 hours, along with an integrated maintenance bypass switch and 10 way distribution panel.

In addition Harland Simon provided a 3 year warranty

on the UPS equipment and continues to provide support for the same equipment which is still running.

Harland Simon provided full product training and customer familiarisation for the operation of equipment supplied.

Andy Parfitt, Sales Director Harland Simon UPS said, "In 2001, Bombardier appointed us as the UPS supplier. The project was completed on time and on budget to the complete satisfaction of Bombardier and NET."



A typical 10 year old system supplied by Harland Simon including integrated maintenance bypass switch and 10 way distribution panel all built into the customer's outdoor enclosure



A typical 3 hour autonomy battery arrangement in outdoor enclosure with additional battery charger modules enabling batteries to be re-charged within 12 hours



- » **Comet Extreme**
- » **4.5 kVA - 6 kVA 23 VAC UPS**
- » **3 hour autonomy batteries**
- » **Project management**
- » **Site installation and commissioning**