

Engineered Solutions – From Concept to Completion

Supply of Manufacturing Kits for Bombardier Built Victoria Line Underground Trains

Flowonics Limited is currently supporting construction of the new Victoria Line Underground trains. The new eight-car trains are being built by Bombardier at their Derby workshops and the fleet of forty-seven trains is due to be completed by early 2012. The trains will provide a step-change in the quality of passenger accommodation and have enhanced performance to maximise the benefits of the upgraded line.



With a total contract value in excess of £1M over the build programme, Flowonics is a Tier 1 supplier providing all underframe traction and cab pipework for the new vehicle builds, together with associated items required for installation. Each of the eight vehicles in the train is different and requires a unique kit of parts. These kits are supplied on a Just-In Time (JIT) basis direct to the vehicle production lines in accordance with the build schedule.

All items are supplied by Flowonics in kit form, with a complete kit of parts packaged in a single reusable container to reduce the quantity of waste for disposal. Kits of parts include:

- Pre-formed stainless steel/copper pipework
- Flexible pneumatic and hydraulic hoses
- Support brackets, clips and hold-downs
- Spacers, fixings and other sundry items

In addition, Flowonics is supporting the train wide build optimisation project by undertaking regular design enhancements and design-for-manufacture reviews of all items within their scope of supply. This work utilises Flowonics' wider capabilities to provide 'Engineered Solutions' to the rail industry.

For further information regarding this and other Flowonics solutions, please contact:

Andrew Hawker
Flowonics Limited,
Unit 9b, Hurst Business Park,
Brierley Hill, West Midlands.
DY5 1UT

Tel: 01384 472820
Fax: 01384 472821
Mobile: 07968 576995
E-Mail: andyh@flowonics.co.uk
Web: www.flowonics.co.uk