

Infrarail 05  
G-Mex Centre  
Manchester

September 14-16, 2005

Stand 527

**Alcad's Vantage and XHP ranges of rechargeable nickel-cadmium batteries are Network Rail approved for rail infrastructure applications**

ALCAD manufactures and supplies global solutions for industrial rechargeable nickel-cadmium batteries including design to IEEE 1115, installation and servicing via a network of approved agents and guaranteed fully compliant recycling at end of life. On Stand 527 at Infrarail, Alcad is highlighting its ultra low-maintenance 'Vantage' and 'XHP' battery ranges which are officially approved by Network Rail to meet peak electricity demand or provide back-up power for essential services in rail infrastructure applications such as signalling, switching, points and barrier control / operations.

Nickel-cadmium batteries have a long established history in trackside power applications because of the inherent stability of their alkaline electrochemistry. They are not subject to the 'sudden death failure' that can affect lead-acid batteries, and they offer superior performance and reliability in the extreme temperatures often encountered trackside, where it is not feasible to provide controlled-environment buildings.

**Vantage range**

Alcad Vantage batteries feature a robust pocket plate construction and ultra-low maintenance design which enables them to offer a 20-year service life with no need for water filling. They are ideally suited to provide power back-up in rail infrastructure applications such as substations and signalling which require long battery life, low maintenance costs, resistance to corrosion and total reliability.



communiqué  
de presse **press** release

**XHP range**

Alcad XHP batteries feature sintered positive electrode and a compact plastic bonded negative electrode (pbe) to offer an ideal combination of low maintenance and high performance to provide reliable power back-up in rail infrastructure applications including UPS and switchgear.

For further information: [www.alcad.com](http://www.alcad.com)

Contact on Stand 527 – Trevor Maddocks

Press contacts:

Catharina Soderlund, Alcad.

Tel: +46 491 68100 Fax: +46 491 68110