PRESS RELEASE

MEE (Middle East Electricity) Exhibition & Conference
Dubai International Exhibition Centre
7–9 February 2012
Stand ZF01

# Alcad Vantex New Generation batteries ensure continuity of operation for mission-critical Middle East installations

- *Vantex batteries now offer improved performance and maintenance-free operation in even the most demanding industrial applications*
- *Solar battery range supports renewable energy storage systems in off-grid applications*

Dubai, February 7, 2012 – Alcad, a world leading supplier of stationary power batteries, is at MEE 2012 to show its developing portfolio of high-performance Ni-Cd battery technology that ensures continuity of operation and optimized TCO (Total Cost of Ownership) for mission critical installations in the Middle East, including oil and gas and renewable energy projects. A highlight of stand ZF01 is Alcad's Vantex New Generation nickel-cadmium (Ni-Cd) batteries that add a crucial advantage to the already well proven Vantex range by providing maintenance-free operation, in terms of topping up with water, under recommended operating conditions. Also on show is Alcad's Solar range developed specifically for off-grid renewable energy storage projects together with its expanded range of single cell batteries.

**Vantex New Generation for maintenance-free operation**

The original Vantex pocket-plate design, launched in 2008, has set the benchmark for outstanding battery performance in stationary industrial backup applications, even in installations operating at ambient temperatures of +40°C or more. It is widely used across the oil and gas, utility and electricity industries to provide reliable backup power in applications such as UPS, emergency and security systems and process control. Thanks to the adoption of a new high-technology design, Vantex New Generation will require no topping up with water throughout its long service life, helping operators to optimize the TCO (total cost of ownership) of their battery systems.

Vantex New Generation also offers further improvements in performance - by up to 10 percent, according to the relevant discharge time. This makes it easier for installers to specify a battery at the correct, optimized size for their specific application, helping to save on initial purchase costs on top of the important savings in maintenance costs throughout the battery life. Another key advantage is that Vantex New Generation has improved chargeability at elevated temperatures, enabling it to achieve 95 percent capacity after a single 15-hour charge at +40°C.

**Solar batteries overcome the intermittency of renewable energy schemes**

The inherently intermittent nature of renewable energy sources requires reliable, efficient energy storage systems to ensure continuity of customer supply. In many cases, renewable energy systems are installed in remote areas, accessible only in good weather, so ease of transportation and low maintenance is a key consideration.

Alcad Solar batteries provide energy storage for PV (photovoltaic) systems and wind turbines in stand-alone, and hybrid power installations. They act as a method of time-shifting power from peak generation to peak demand and also act as a bridge while the network switches between generation modes. Alcad Solar batteries

require minimal maintenance, can withstand daily shallow cycles and seasonal deep cycles and operate reliably in temperatures ranging from -30°C to +50°C.

**Ni-Cd single cell batteries designed to deliver long and dependable performance**
Alcad is also displaying its range of Ni-Cd single cell batteries that ensure long and dependable service across a variety of demanding emergency back-up, UPS, engine starting and storage applications.

**For more information contact:**
Catharina Söderlund.
Tel : +46 491 68100
E-mail: soderlund.catharina@alcad.com