

FOR IMMEDIATE RELEASE

October 11, 2008

Does your customers complaints about variation in the lighting?

Voltage fluctuations caused by unbalanced load in Y-ground grid?

Too low voltage parts of the day due to high load and long distribution lines?

Solution:

New and robust solution for voltage stabilization from Magtech.

Quick and profitable solution with Magtech Voltage Booster

Easy planning, simple installation and robust design

Simplified free Excel-planning tool

Patented design & solution

Power Quality with MVB

MVB lifts and stabilizes voltages for each phase individually.

- Corrects unbalanced voltages caused by heavy single phase load in ground Y networks.
- increases single pole short circuit capacity with typically 60 % or more for Y-ground network
- Voltage is not influenced if N-conductor is disconnected

This is solved by a patented balance winding.

- MVB controls the voltage immediately, and corrects it dynamically in typical 100ms. (a full load jump is corrected in 200-300 ms)

Robust

- 25 years designed lifetime - No moving parts or semiconductors in the power circuit.
- the patented MCI, Magtech Controllable Inductor – a design with mainly copper and iron in power circuit
- galvanized casing for outdoor use
- oil cooled, standard transformer oil, optional with organic decomposable oil.
- hermetically sealed with overpressure valve
- over voltage protected

Safe

- Bypass contactor ensures fail safe (no power interruptions) at overload or faults.
- Returns automatically to operation when fault is not present (e.g. overtemperature,

overload).

Increases one pole short circuit capacity in ground-Y networks.

Ik1 increased by more than 60%

Proven

- developed in close cooperation with several electric utilities (a.o. Vattenfall Eldistribution AB, Hafslund Nett AS)
- in compliance with EN50160 and CE-marking for domestic use
- a large number of units installed in Scandinavia, first pilot installed 2003.

Quick installation

- easy to install in one day
- pole mounted, no housing required, one or two poles
- ground mounted, no housing required
- free planning tool available on www.magtech.no

Areas of application:

Stabilizing voltage for long LV lines or sea cables. Supporting telecom base station transmitters for GSM and UMTS, vacation homes, weekend cottages, rural homes and stores, farms, fish farms, production plants etc. Provisional power supply for construction areas, tunnels etc. Stabilizing voltage in the grid when voltage fluctuation is caused by distributed generation like solar cells, hydropower or wind-power-plants. Stabilizing and lifting voltage on the LV side, when voltage drop is caused on high voltage side. For ground cables in rural or densely populated areas. Mounted directly on the ground or on poles.



Voltage stabilization MVB mounted on a pole

For more info: www.magtech.no

MAGTECH AS will exhibit in The 12th International Exhibition on Electric Power Equipment and Technology and The 5th International Exhibition on Electrical Engineering, Electrical Equipment and Contractors' Supplies (namely as EP China / Electrical China 2008). Organized by China Electricity Council, the fairs will take place from November 12 – 14, 2008 at the China International Exhibition Center, PR China.

EP China, founded in 1986, is organized by China Electricity Council and Adsale Exhibition Services Ltd. EP China 2008 has attracted 400 leading suppliers from 21 countries/regions to exhibit under one roof. The new event namely International Exhibition on Energy Conservation, Environmental Power and Desulphurization and Denitrification (ECEP China 2008) will be held concurrently.

For more information, please visit the fair website at www.2456.com/EP or contact Adsale Exhibition Services Ltd.

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