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# PRESS RELEASE

## For Immediate Release

### 6 SUCCESSFUL TRANSFORMER PROTECTOR (TP) ACTIVATIONS REPORTED

Houston, Texas September 3, 2013:

Transformer explosions and fires are very damaging and frequent. A recent one-year research project\* led to the discovery of 730 transformer explosions in the USA only. Many experts anticipate that the number of failures per year will increase significantly in the near future because of the shorter duration life.

Transformer explosions and fires create costly environmental pollution, repairs, plant outages, and are a risk to human lives.

From May 3, 2013, to present, the TRANSFORMER PROTECTOR (TP) successfully prevented six large transformer explosions and fires on:

1. May 3, 2013, in the Boguchanskaya Hydro Power Plant in Russia on a 400MVA transformer;
2. May 14, 2013, in the Adolfo Lopez Mateos Power plant, Mexico, on a 450MVA transformer;
3. May 15, 2013, in the Saliyah Super Sub-Station in Qatar on an 800MVA transformer;
4. June 12, 2013, in the Umm Al Amad Super Station, in Qatar on an 800MVA transformer;
5. July 20, 2013, in the Lusail Development Super 2 Station, also in Qatar on an 800MVA transformer;
6. August 9, 2013, in the Salto Santiago Hydro Power Plant, Brazil, on a 250MVA transformer.

In all 6 cases, the TP has prevented the transformers from explosion and fire; no leaks or permanent tank deformation occurred, ultimately saving the transformers, which are under restoration and will be all back in service soon.

*\*H.-P. Berg, N. Fritze, reliability of main transformers (Vol.2), March 2011*

**ABOUT THE TRANSFORMER PROTECTOR** – The TRANSFORMER PROTECTOR is the only proven solution against transformer explosion and fire. The TP complies with NFPA codes 850 and 851, which are recommending Fast Depressurization Systems for all Power Plants and Substations. There are currently over 2,200 TP installations worldwide.

The TP is activated within 0.5 to 20 milliseconds, depending on arc locations and transformer size, by the first dynamic pressure peak of the shock wave, avoiding transformer explosions before static pressure increases.