



Nov.05 Development of Power Transmission Components

Towards the end of November 2005 **TestPRO Limited** was involved in the performance assessment of new design components intended for use in a power transmission transformer.

The French company AREVA T&D is one of the world's leaders in electricity transmission and distribution products and solutions. **TestPRO Limited** was asked to assist at the development stage of a new control mechanism to be incorporated in future power transformer designs.

The power transformer forms an essential part of any electrical transmission network by stepping up or down the line voltage to suit customer and transmission design requirements. Most power transformers incorporate components to provide output voltage control, and it is in this area that AREVA T&D are seeking an improved design and reliability to enhance their product range.

TestPRO Limited was able to assist in the development program of the new components by taking test measurements during the trial operation of a prototype device. Strain gauges, load cells and laser displacement measurement techniques were used to assess the performance of critical parts of the assembly during high-speed operations.

The growing awareness for energy conservation and in detail the necessity for development of more efficient energy generation and transmission equipment makes this project particularly relevant. **TestPRO Limited** is pleased to be linked with this project and applaud the efforts of AREVA T&D toward increasing global energy efficiency.