



## APPLICATION PROFILE

# CHINA MANUFACTURER PIONEERS HYBRID INSULATION IN TRANSFORMERS TO MEET GROWTH DEMANDS SAFELY AND RELIABLY

The rapidly growing demands for transportation in China, to cover industry and consumers needs, places a particularly high emphasis on reliability of power equipment under extreme overloads like 300% for 2 minutes up to 12 times per day. YUNNAN TRANSFORMER CO. have responded to these increasing requirements by innovating with NOMEX® thermal technology solutions in a range of liquid filled transformers with hybrid insulation systems.

YUNNAN has served electric power and railway utility requirements in China since 1936 with quality, reliable transformers custom designed to meet a vast range of climatic and performance conditions. They enjoy better than a 65% share of the high impact rail utility market.

Customer feedback indicates NOMEX® brand paper and pressboard will continue to help YUNNAN hold and increase its market share in the face of accrued competition by the biggest names from across the world. Improved efficiency, reliability and operational cost of their offering are expected to be the key of YUNNAN's continuing success.

**Application:** railroad track line power rectifier transformer

**Requirements:**

Type SF4 – 10MVA ~ 25MVA

Type SF5 – 16MVA ~ 40MVA

**Configuration:** liquid filled, hybrid insulation systems with NOMEX® brand paper and cellulose.

**Characteristics:** improved mechanical and electrical strength, reliability, efficiency, over-load capacity and lower manufacturing costs.