

Transformers Magazine

The primary source for the latest industry news, expert views, technology and trends, with particular focus on green solutions¹ and solutions for smart grid.

TOPICS:

News

Industry news on:

- Granted projects/contracts
- Appointments
- Business results
- Conferences
- Fairs

Technology

(design, production, quality, efficiency)

- Windings technology
- Core technology
- Cooling technology
- Drying and Evacuation technology

Components

- Bushings
- OLTCs
- Conservators, cushions, pipes
- Air dryers
- Cabling
- Sealing
- Connectivity

On site

- Transportation
- Commissioning
- Tests
- Maintenance²
- Refurbishment³

Transformer in grid

- Substation
- Specification
- Protection
- Physical security
- Harmonics

Transformer and nature

- Noise
- Electromagnetic emission
- Pollution (air, soil, water)

Prospections

- R&D
- Trends

Success stories

Success stories on unique accomplishments in reference to:

- customer requirements
- complexity
- delivery time
- transportation restrictions
- harsh environment

Materials

- Solid insulation
- Windings
- Core (and magnetic shunts)
- Fluids
- Tanks
- Paints

Tests (Diagnostics)

- Routine tests
- Type tests
- Special tests

Failures

- Outages
- Inspections and investigations
- Repairs
- Transformer fire safety issues

Transformer in smart grid

- Sensors (FO, etc.)
- Monitoring systems
- Diagnosis

Risks

- Identification
- Analysis
- Mitigation

Standards, guides, recommendations

- IEC
- IEEE
- Cigre

¹ increased efficiency, reduced environmental impact and using renewable materials

² keeping equipment in a state in which it can perform its required function

³ improvement and modernisation