ABB can now offer even greater speed of traction repair by offering state-of-the-art site local factory revision within an ABB local service center. This is often the best solution when transport presents any kind of a challenge due to expense, time and complexity.

The story
ABB is renowned for its flexibility in the repair of many different types and brands of traction transformers. With access to original design files, documentation and technologies used over the last half century within the ABB family as well as the current common design, manufacturing and quality practices used by ABB transformer factories throughout the world, ABB is ideally positioned to get failed or at-risk transformer assets fully up and running as soon as possible. ABB can now offer even greater speed of repair by offering state-of-the-art site workshop revisions to bring the factory closer to the customer.

Combining more than 700 years of transformer manufacturing experience, ABB is in a unique position to offer site repair services for all types and brands of transformer including the following on site works:
- disassembly of the active part
- replacement of complete windings
- refurbishment of the core
- drying of the active part
- high voltage testing
- recommissioning

Customer need
When the customer decided to embark on this project they were looking for a quick response time, design expertise and the elimination of transport costs to Europe.

ABB response
ABB won the TrafoSiteRepair due to their quick response time, global coordination by ABB traction transformer lead center, extensive local workshop and world class quality.

Customer benefits
- Access to global design experts
- Short leadtime
- Reduced repair costs
- Reduced risk of failures
- Local solution with global lead center support

Non-ABB transformers
These transformers were not ABB products, but originally manufactured by a French competitor. ABB's ability to perform these repairs shows the company's ability to understand and work with third-party products.
Local Service Centers
Transformer factories and workshops are characterized by their orderliness, cleanliness, heavy lifting equipment, special tools and fixtures, specialist experienced teams in each process area, drying facilities and test bays. We provide performance improvement and increased value of existing equipment due to full technical restoration, modernization and complete component check. Repairing a traction transformer, instead of replacing it, can in certain cases lower your capital maintenance cost drastically and provide quicker turnaround than buying new.

ABB’s experienced and skilled operation teams will work locally during the different phases of the project. Throughout the project a local supervisor will coordinate and take ownership of all aspects.

ABB provides full sets of tools and fixtures.
Maintaining the dryness of the insulation is paramount for quality control. All windings are manufactured, dried and impregnated at the factory. They are then specially packed, shipped and stored ready for assembly locally. The final drying of the active part achieves a moisture level less than 1%.

For more information, please contact:

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