In the past, removing water from a transformer involved filtering the transformer oil repeatedly. Since most of the water is not in the transformer oil but in the active part of the transformer, removing water in this way could take several weeks. ABB perfected a low-frequency heat drying method that heats the transformer core with an electrical pulse, creating a vapor action that effectively pushes moisture from the insulation into the oil, where it can be quickly and safely filtered out. It is fast enough to be completed within a regular maintenance shutdown, which is extremely important for many customers who demand minimal downtime.

**Customer Needs**
- Drying of wet unit 750 MVA / 500 kV
- Short downtime available for drying operation

**ABB’s Response**
- Low Frequency Heating (LFH) drying on site

**Customer Benefits**
- Extension of remaining life time by 33% compared to conventional drying
- Drying within record time 10 days instead of 40 days with hot oil spray
- High quality of drying giving a ‘as new’ product - Remaining moisture around 0.5%