Five steps to transformer resilience

Helping utilities protect and restore their transformers, thus keeping outages under control.

Assessment

Power transformers are widely recognized to be one of the most critical asset on the grid. A thorough assessment of the transformer fleet will aid in detecting any mechanical, electrical and security vulnerabilities with the equipment.

Hardening

Hardening transformer assets against malevolent attacks and extreme environments maximizes its physical security and resiliency with minimal design impact. Hardening can be made on new designs and retrofitting existing units.

Monitoring

Online monitoring and automation are key to detecting unusual operation or actual power disruptions in real time. Today’s sensor technology keeps a close watch on a transformer’s mission-critical functions to prevent damage.

Rapid repair

While proactive measures can be taken, absolute physical security is not practically achievable. Rapid repair strategies, including service personnel and availability of spare parts, are key to restore service quickly when an incident occurs.

Rapid replace

When damages exceed repair capabilities, rapid replacement strategies play an important role in recovery, especially for power transformers. Today’s solutions consist of interoperable and rapidly deployable transformers.