

Eagle Eye's GFL-1000 Delivers "Quantum Leap" Solution in Locating Elusive Ground Faults for Nuclear Power Station

The Customer

The Tennessee Valley Authority's (TVA's) Brown's Ferry Power Station is the first and largest of its three nuclear power plants, with three boiling water reactors producing about 10 percent of TVA's total generation capacity. In 2014, Browns Ferry was the second-largest power producer in the United States.

The Challenge

As a nuclear power station, the Brown's Ferry team often faces issues with interference when using instrumentation. Due to these persistent issues, they had sworn off considering any device with induced signals like pulses and high frequencies for years. Recently, while dealing with an elusive fault that couldn't be found over the course of two weeks –having to maintain compliance by keeping the circuits on-line – they decided to give the GFL-1000 a shot.

The Eagle Eye Solution

Without having to pull fuses on any of the 130+ breakers or having to cycle the power down, the GFL-1000 was able to locate the elusive fault in 45 minutes. Needless to say, this saved countless hours of labor, reduced headaches and maintained optimal safety and compliance throughout the (now extremely short) process.

The Implementation

After building a mock-up, the Brown's Ferry team was able to prove that the GFL-1000 would not adversely impact any other parts of the system. This gave them the confidence to go forward with utilizing the portable, handheld device throughout the plant.

The Results

The Brown's Ferry team is currently in the process of placing repeat orders for multiple GFL-1000s to be used throughout its facility.



"Eagle Eye's GFL-1000 is a quantum leap in how we'd been going about finding ground faults. Basically, it addressed the exact problems that we were having and solved it. It was the perfect solution that we were looking for. I can't say enough good things about it."

-S.D. Brown
Director – Maintenance
Browns Ferry Nuclear Station
Tennessee Valley Authority

