



UNGROUNDDED DELTA SYTEM MISLEADS OPERATORS

Problem Solved

You can't find the problem if you don't look in the right places!

GTCO. SOLVES ANOTHER PROBLEM!

The Mission

The client was a Natural Gas compressor station that generates their own electrical power. Unknown deficiencies were causing all three gas powered generators to shut down at the same time causing the entire facility to go idle and lose revenues during outages.

The Challenge

Trouble shooting ungrounded delta systems using typical methods often provides misleading results. Phase to ground faults that are intermitant may not be detected by conventional means. Multiple phase to ground faults may contribute to Phase to Phase faults when a very high impedance is involved.

How can we demonstrate this to the operators and owners?

The Solution

The Gerry Thomas Co. was engaged to determine the cause of random plant shut downs and recommend solutions that would restore long term reliability and avoid future lost revenues. GTCO. needed to look sub-cycle to find the cause and to analyze the systems

reaction before, during and after the events.

The Results

Analysis provided by GTCO. and implementation of GTCO. recommendations provided the answer to the elusive cause of the events. Sub-cycle examinations of the systems reaction to the cause of the events determined the most cost effective solution and corrective actions to be taken. Many dollars were saved by getting directly to the problem and avoid further wasted time and finger pointing.



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