

# **System-Wide SCADA Documentation to Prepare for Disaster Recovery**

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## **SUBMISSION TYPE**

30 minute presentation

## **KEYWORDS**

SCADA, disaster, risk, recovery, documentation

## **ABSTRACT**

SCADA systems provide monitoring and control of many critical systems across numerous industries. However, SCADA systems are vulnerable to numerous forms of internal and external “attack,” including natural disasters, security breaches, equipment failures, human error, etc. One crisis situation can bring your SCADA system—and your utility operations—to a screeching halt.

Accurate, system-wide SCADA documentation and a well-designed disaster recovery plan not only help reduce vulnerability risks, but also provide a step-by-step system restoration guide, specific to the individual utility, in case the worst-case scenario becomes a reality.

The primary deliverables for a SCADA disaster recovery plan include the following:

- Networking drawings of the entire system showing topology, routers and switches, different media and protocols, servers, workstations, and remote connections;
- A list of all the network components complete with the hardware type, IP address, location and name; and
- A customized backup and restore manual.

Attendees will learn the benefits of a SCADA disaster recovery plan, its basic elements, and the risks associated with not having such a plan. A real-life case study will be discussed, whereby the attendees will gain familiarity with a utility that has successfully completed such a plan.

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## **ABOUT THE AUTHORS**

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