



**FIDES**  
Trustworthy Control



Command·Control·Conquer·Cure

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# SCADA Fides

- The system provides the control network operator an independent overview of the network operational safety and security status.
- The goal of Fides is to provide **Trustworthy SCADA – reliable, safe and secure.**

## Features

- Completely independent from the SCADA system
- Alert of field devices failures even if the SCADA system does not – prevent the cause of the 2003 East coast blackout
- Alert of malicious activity even if the SCADA system itself was compromised
- Supports multiple SCADA protocols
- Communication network load visualization
- Logging of all commands and measurements from/to the field devices
- User-friendly incident investigation web interface
- Security events detection
- Stateful and Deep Inspection for abnormal behaviour detection
- Only requires a mirror port or network tap for each of the gateways of the control center
- One Fides Blackbox can monitor multiple gateways (\*depending on network architecture)
- Operator stations require only a web browser

## Fides Modules

Fides consists of 4 different modules:

**blackbox** **Fides Blackbox** – a small-factor network monitoring appliance which analyzes multiple SCADA and control communications

**insight** **Fides Insight** – an application which allows forensics and general event investigation of the data gathered by the Blackboxes

**alerter** **Fides Alserter** – provides the operator the ability to define communication rules for the Blackboxes and to view alerts of traffic anomalies

**netmap** **NetMap** – Provides a “second opinion” on the SCADA system. Independent inventory management, node responsiveness and load monitoring of the control network.

More modules and supported protocols are released on a Bi-Quarterly basis.



Example Deployment

