



*Blending actionable intelligence with cybersecurity and control systems expertise to protect our nation's critical infrastructure.*

## Control Systems Cybersecurity Analysis

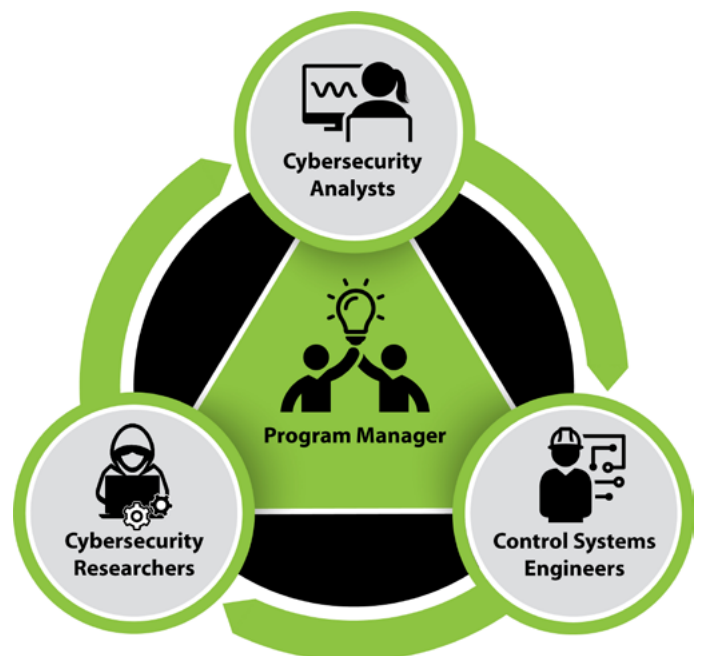
*Monitoring evolving cyber threats to operational technology environments*

Idaho National Laboratory's Cybercore Integration Center blends technical expertise with threat analysis to counter cyberattacks targeting industrial control systems (ICS) within critical infrastructures. We drive the national research and development efforts for cyber-physical systems by partnering with government, academia and industry to accelerate workforce development and address mission critical control systems cybersecurity challenges.

To achieve mission success, Cybercore combines seasoned control systems cybersecurity analysts, experienced power engineers, cyber researchers, and control

systems experts to perform cutting-edge analysis. This supports national security initiatives that strengthen the security and resilience of critical infrastructure against cyberattacks.

Our control systems cybersecurity analysts represent a unique fusion of academic training and professional expertise. They have proficiency in analytic standards and tradecraft





with advanced degrees ranging from nuclear to mechanical and electrical engineering, to computer and information sciences.

These analysts combine traditional all-source threat analysis with the technical acumen of understanding engineering and systems documentation, operational technology networks, programming languages, and foreign language skills to produce technically sound analytic products.

#### **CONTROL SYSTEM THREAT ANALYSIS**

INL Threat Analysts maintain a strategic perspective of

the threat landscape while remaining able to analyze evolving cyber threats targeting the operational technology environment. They monitor a wide variety of data sources to maintain awareness of newly discovered vulnerabilities within control systems, the ability to exploit those vulnerabilities via cyber means, and the subsequent potential impact to critical infrastructure.

Across the Cybercore team, analysts command both a broad and deep understanding of control system integration within multiple critical infrastructure sectors, control system functionality within those sectors, and

vulnerabilities inherent to those control systems.

This insight, when merged with in-house cyber, power and control systems subject matter expertise, elevates Cybercore's capabilities to develop novel, comprehensive solutions to protect vital industrial control systems from cyber threats.

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**Battelle Energy Alliance manages INL for the U.S. Department of Energy's Office of Nuclear Energy.**

#### **FOR MORE INFORMATION**

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