Laboratory for Energy Security Systems
Sponsored by Northrop Grumman

Focus
- Operational energy systems
- OT/IT & physical security

Technology and Operations
- Industrial-grade RD&D environment
- Secured connectivity for linkage to operating assets
- Military-grade security standards
- Demonstration testbed and validation

Partnerships
- Energy asset owners and operators
- Operations/information/security technology companies
- Workforce development and educational opportunities
- Flexible business structures
Real-Time Energy Asset and Network Operations

Operating and Security Data Flows
Control Systems
Operations
Information Technology

Integrated Security and Operations
USC Laboratory for Energy Security Systems

Areas of Research, Development, and Demonstration

- Multi-factor event Detection
- Historical & real-time data management analytics
- Advanced visualization tools, situational awareness, decision support
- Operations integration and response

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