

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

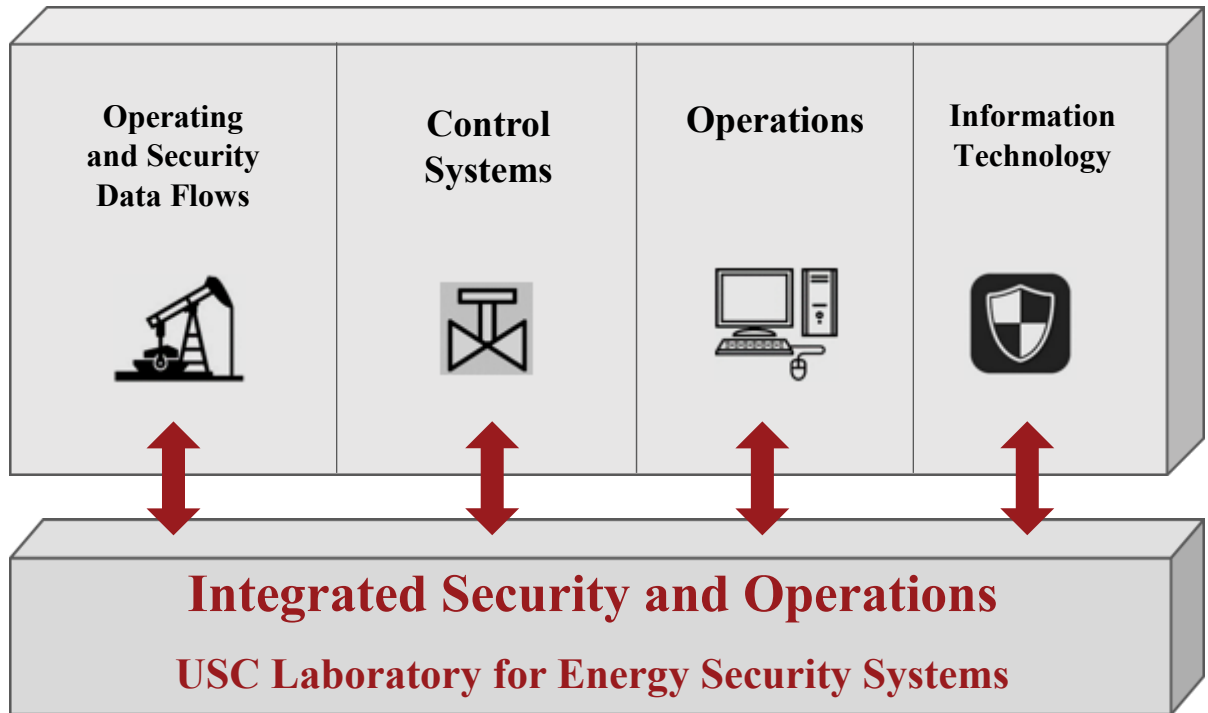
Partnerships

- Energy asset owners and operators
- Operations/information/security technology companies
- Workforce development and educational opportunities
- Flexible business structures



USC Energy Institute

Real-Time Energy Asset and Network Operations



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

For more information contact:
Dr. Donald L. Paul, Executive Director
Samuele Schoenberg, Project Manager
USC Energy Institute
3710 McClintock Ave.
Los Angeles, CA 90089-2902
donaldpa@usc.edu

**FULL SCALE
INTEGRATED
TESTBED**

USC SmartGrid
Living Laboratory

USC EnergyInstitute