

BAE Systems is a leader in creating and deploying enabling technologies and solutions for the U.S. Department of Defense, Department of Homeland Security, and the intelligence community to address national security in cyberspace.

### The company's capabilities include:

**Network systems:** data mining and fusion, knowledge discovery and information integration, and advanced computing network operations.

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**Electronic warfare:** the industry leader in airborne electronic warfare capabilities, including electronic attack and computer network attack.

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**Information technology:** full-life-cycle IT systems and services supporting networked and managed IT operations, and analysis and close-in mission support.

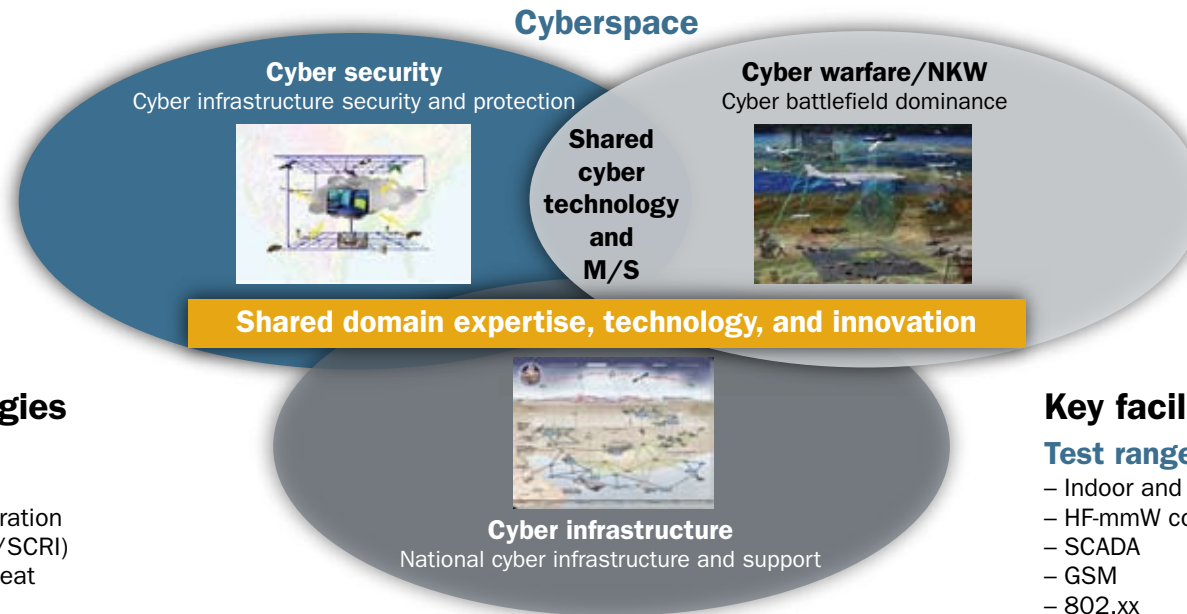
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## End-to-end operational excellence in cyberspace



From CNO mission planning to execution of defense and attack tools to analysis

# BAE Systems delivers operational solutions to the warfighter and intelligence community



## Key capabilities and technologies

### AFNetOps and GIG modernization

- I-NOSC and ESU design and integration
- DISA/DoD initiatives in PKI, secure configuration compliance validation/remediation (SCCVI/SCRI)
- Host-based security system and insider threat observer
- Cross-domain solutions

### Mission systems

- Net-centric and Web-enabled solutions (WEEMC, SIAP)
- Data models and schemas
- Dynamic targeting and fusion services
- Common link Interface processor integration

### Computer network operations

- Defense of enterprise and wireless nets against nation-state attacks
- Mitigation of installed malware
- Anti-tamper software
- Automated network discovery
- Self-organizing, reasoning agent networks
- Automated reverse engineering
- Data mining
- Modeling and simulation
- Penetration testing
- Network access and exploitation
- IO planning and assessment

## BAE Systems offers capabilities across the full spectrum of cyberspace

- Enterprise network design, engineering, and operations for cross-domain systems
- Mission applications and support for enhanced situation awareness, command, and control
- Computer network defense, attack, and exploitation tools
- Reverse engineering and vulnerability analysis of networks, software, and devices
- Course-of-action development, mission planning, and effects assessment

## Key facilities and tools

### Test ranges

- Indoor and outdoor testing
- HF-mmW coverage
- SCADA
- GSM
- 802.xx
- Data reduction and analysis

### Integration facilities and fixtures

- Multiple anechoic chambers
- Environmental test facilities
- Advanced modeling and simulation

### Software & systems architecture

- Distributed, object-oriented component frameworks
- CMMI Level 5 for software development process
- MLS/cross-domain solutions

### Signal/network exploitation

- Target signal exploitation
- Modulation/protocol ID
- Vulnerability analysis
- Automated reverse engineering
- Decision engines

### Innovative access

- Network-enabled sensors
- RF and non-RF sensors
- RF tags and implants

