

# Success Story

## Internal Penetration Test & Segmentation Security Assessment for Energy Sector Organization

### Client Profile

- Energy Sector
- \$189 million revenue (2021)
- 1900 employees

### About SRA

Security Risk Advisors (SRA) provides cybersecurity consulting and 24x7x365 operations services to organizations across all industries, with a focus on Fortune 500 and Global 1000 clients.

SRA does not resell for profit and is neutral to recommend best-fit controls and solutions. SRA demonstrates thought leadership in cutting edge security topics, presenting at several industry events each year, and developing free tools for the security community.

### Contact Us

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### Challenge

- A large energy sector organization wanted to understand the risk surface expose to a malicious actor who has access to the internal network as well as determine if segmentation controls in place effectively prevent the ability to move from the internal network to the industrial control systems (ICS) environment.

### Solution

- Executed a week-long network penetration test and targeted segmentation assessment.

### Benefit

- Exploited an attack chain to demonstrate how a malicious actor can escalate from simple internal network access to full compromise of Active Directory
- Uncovered several unintended vectors to obtain access to the ICS environment from the main internal network, allowing access to sensitive systems and applications
- Client was able to prioritize remediation efforts to further secure both the internal and ICS networks