

Summary

Luke Martin is a partner in the Raleigh office and is a leader in ScottMadden's energy practice. Luke joined the firm in 2005 and has more than 13 years of management consulting experience focused on the energy, utility, and clean tech industries. During his time at ScottMadden, he has worked on a variety of key issues for utilities, including cybersecurity, organizational transformation, and program implementation. Luke has deep consulting experience with operational technology security, NERC CIP, operations improvement, program recovery, and digital transformation. He worked for GE Consumer & Industrial in its electrical distribution division as part of the commercial leadership program. Luke received an M.B.A. from Duke University's Fuqua School of Business cross-continent program, with an emphasis on energy and the environment. He holds a B.S. in computer engineering and electrical engineering from North Carolina State University.

Areas of Specialization

- Cybersecurity program development
- Cyber and physical security, including NERC reliability standards
- IT management and governance
- Transmission operations assessment and improvement
- Fossil and nuclear generation
- Project and change management
- Organizational transformation

Recent Assignments

- Led efforts to stand up a new generation cybersecurity and operational technology (OT) security program for a large U.S. utility. Efforts included structuring the OT/cybersecurity organization program and defining roles and responsibilities between station, regional, and enterprise IT security functions
- Led an assessment for a large multiregional transmission organization focused on implementation of cybersecurity and NERC Critical Infrastructure Protection (CIP) standards. Assessment identified areas for improvement based on training observations and field visits. Recommendations identified enhancement opportunities for procedures, work management, and training
- Led a cybersecurity and NERC CIP compliance program recovery effort for a large utility focused on improving technical program and procedure documentation, educating and training the workforce, enhancing work management tools to track NERC-related activities, and developing dashboards and reporting tools to make CIP activities more visible across the organization. Implemented program recovery for selected operations and planning (O&P) and all NERC CIP standards
- Supported a NERC compliance assessment for the transmission function of one of the nation's 10 largest investor-owned electric utilities. Reviewed existing compliance documentation and compared against leading practices for O&P and CIP reliability standards. Identified gaps and developed an implementation plan to address deficiencies
- Prepared a governance model, staffing roles/responsibilities, and NERC compliance recommendations for the first international merchant transmission line in North America
- Led a safety-focused audit on electrical testing performed by transmission and generation crews for a large U.S. utility. Reported results from 25+ field visits to executive management
- Managed implementation of the \$8 million post-Fukushima capital project to enhance offsite radiological monitoring for the largest nuclear generator in the world. Monitoring enhancements included network design, procurement of radiological monitors, and development/deployment of analytic engine software and system implementation. Led efforts to seek regulatory approval from provincial and federal entities, trained staff on new software and process changes, authored equipment and construction RFPs, and supported gated capital project management reporting requirements
- Prepared improvement plans for a two-station nuclear operator to improve safety, organizational effectiveness, equipment reliability, and leadership behaviors to turnaround operations