

Engineering Solutions

END-TO-END CYBER SECURITY

Our Cyber Security Services

- > End-to-end cyber security program lifecycle development
- > Enhancement to existing security programs and governance
- > Asset Identification and risk-based Classification
- > Assessment of cyber security posture for new or existing Critical Digital Assets (CDAs) and Cyber Essential Assets (CEAs)
- > Implementation of cyber security controls

Delivering Secure Solutions

We assist nuclear operators and suppliers in complying with the most up-to-date cyber security regulatory requirements for Industrial Control Systems. Let us help you adapt to the latest in industry best practice and meet your regulatory needs, including: NIST SP800-82, NIST SP800-53, NRC RG5.71 and CSA N290.7-14.

In conjunction with Alithya's hardware and software services, we provide a suite of services tailored to enhance the overall cyber security posture of our clients.

Process Control Systems

Industrial Control Systems employ specific technologies where traditional cyber security strategies may not always be suitable. Alithya has extensive experience with these systems, and understands the importance of securing your digital assets without affecting critical system functions. Learning and adopting these niche cyber security strategies will help you stay ahead of potential risks and help you deliver your products with confidence.

Computer Systems and Components

- > Distributed Control Systems (DCS)
- > Field Programmable Gate Array (FPGA) based devices
- > Programmable Automation Controllers (PAC)
- > Programmable Logic Controllers (PLC)
- > Systems important to nuclear safety & security
- > Vapour Recovery Dryer System

SCADA & Plant Information Systems

- > Emergency preparedness
- > Legacy System Replacement
- > Plant Display or Monitoring Systems
- > Supervisory Control and Data Acquisition (SCADA) Systems

Trusted Control System and Digital Transformation Partner

For over 35 years, Alithya has developed a distinguished reputation based on its flawless track record of solutions, long-term partnerships with customers, and deep expertise in the energy sector. Alithya has delivered hundreds of projects on-time and on-budget to nuclear power plant customers across Canada and the US.

Our expertise spans from the control room to the boardroom – from the design and development of safety-critical shutdown systems and reactor control systems to safety-related monitoring, HMI/SCADA systems, plant data historians, cyber security, and delivering IT solutions, including CASSI™.

As a CSA N299.1-compliant company, our unique mix of control system, software design, and integration experience, along with regulatory and cyber security compliance expertise, sets us apart from other software design service providers. Alithya has a proven history of producing innovative solutions and is well positioned to help customers with modernization/digital transformation using technologies, such as cyber security, big data, Industrial Internet of Things (IIOT), Artificial Intelligence (AI), and Machine Learning.



Contact Us

AS A NORTH AMERICAN LEADER IN STRATEGY AND DIGITAL TECHNOLOGY. Alithya designs and builds innovative and efficient digital solutions for business challenges. Our clients cover a large spectrum of sectors including Banking, Investment and Insurance, Energy, Manufacturing, Retail and Distribution, Telecommunications, Transportation, Professional services, Healthcare and Government. Our 2,000 professionals in Canada, the US, and Europe combine pragmatic understanding and creative thinking to structure and streamline intricate operational ecosystems, help transform their businesses, and drive their growth every single day.

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