

Engineering Solutions

INNOVATIVE HARDWARE SOLUTIONS

Benefits

Alithya's Hardware Services enable our customers to:

- > Utilize innovative hardware to address demanding needs
- > Eliminate problems with existing hardware designs
- > Address obsolescence concerns
- > Acquire custom hardware in low or high volume

The One Stop Solution

Alithya's hardware services support the design, manufacturing, and testing of hardware solutions. Our services range from the replacement of legacy hardware to the engineering of new hardware solutions. In conjunction with Alithya's software expertise, we can provide a one stop solution for our clients.

Quality Services

Alithya's hardware experts work with our clients to identify the requirements and establish the correct process to achieve project goals. We provide support throughout the development cycle from concept to delivery. This includes design, reviews, prototypes, manufacturing, and testing, along with ongoing communication to ensure project success.

Quality Assured

Alithya's Nuclear Quality Management System (NQMS) complies with CSA N299.1, CSA Z299.1, CSA N286-12, CSA N286-05, CSA N286.7-16, CAN/CSA Q396.1.1, Category II/III Software Engineering.

Features

Hardware Services include:

- > Engineering of custom circuit boards
- > Integrated custom and off-the-shelf solutions
- > Combined hardware and software solutions
- > Reverse engineering

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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