



America's top performing nuclear plants rely on Electrical Builders, Industries to expand and extend the life of their critical electrical assets

As America's energy demands continue to surge with the rapid expansion of data centers, advanced AI, and other cutting-edge technologies, the drive to uprate, reopen, relicense, and urgency to modernize existing nuclear plants has never been greater. Ensuring a clean, stable, and reliable power supply is essential for securing the Nation's future, and Electrical Builders, Ind. (EBI) is at the forefront of this transformation.

Leveraging more than five decades of power generation service industry experience, EBI specializes in system-critical power generation components including metal enclosed electrical bus duct systems and their connected components. Their unique strength lies in providing high-quality, turnkey solutions that extend the lifespan of these essential electrical assets while enhancing overall plant performance and safety. EBI has earned their reputation as the Nation's premier contractor for

system improvement, proactive maintenance, repair, custom fabrication, emergency services and transformer change-outs, making them an indispensable partner in revitalizing America's nuclear energy infrastructure.

Proven Experience in Extended Power Uprates (EPUs)

As many nuclear plants prepare for Extended Power Uprates (EPUs) over the next 5-10 years, EBI stands ready to support these critical initiatives. With extensive experience in executing EPUs, EBI has been instrumental in helping facilities assess their needs and increase their power output, ensuring that nuclear plants can meet the growing energy demands while maintaining safety and reliability. EBI's expertise includes the comprehensive planning, design, and implementation of EPU-related upgrades, making them a trusted partner for utilities looking to enhance their plant's capabilities.

Bus Duct Assessment & Life Extension Solutions for License Renewal

As nuclear plants approach critical license renewal periods, thoroughly assessing the condition of vital assets, particularly those with no redundancy, such as the electrical bus duct system, becomes essential. EBI has developed the industry standard for preventative maintenance and emphasizes the importance of these evaluations, offering proactive maintenance strategies tailored to the specific challenges of each facility. By focusing on detailed system assessments and targeted maintenance, EBI not only enhances the reliability of power generation systems but also helps prevent costly, unexpected failures that can result from inadequate or overlooked bus duct care. With EBI's expertise, utilities can confidently navigate license renewal, ensuring the continued safe and efficient operation of their plants.

Turnkey Transformer Change-Out & SMR Integration Support

EBI's unparalleled expertise in electrical bus duct systems makes them an invaluable partner for nuclear plants, especially when tackling complex projects like transformer change-outs or Small Modular Reactor (SMR) integrations, where the bus duct system is inevitably impacted. EBI excels at addressing the intricate challenges that can arise at both ends of this critical infrastructure. Issues like elevation variances, flange layouts, contact surface orientations, and phase spacing can cause significant delays if not expertly managed. EBI's proficiency in custom bus duct modification and fabrication, coupled with their meticulous pre-outage planning and thorough condition assessments, ensures these potential obstacles are anticipated and planned for. This proactive approach guarantees transformer change-outs and SMR installations,

performed by EBI, are executed safely, efficiently, on time, and without costly disruptions.

Rapid Response & Emergency Solutions

In an industry where time is of the essence, EBI's innovative emergency solutions have set the bar as industry standard. The Mobile R3 Fabrication Unit, a 53' self-sufficient mobile trailer equipped for onsite fabrication, restoration, and repair of electrical bus duct systems and other critical components, is a game-changer. This mobile unit provides unmatched rapid response capabilities which minimizes downtime during unplanned outages and emergencies, ensuring nuclear plants can quickly return to safe operation. EBI's emergency solutions meet the demands of today's fast-paced energy environment, providing crucial support during both planned projects and unexpected outages.

Supporting the Future of Nuclear Energy

As the nation strives to expand and modernize its power generation capabilities, EBI's unwavering commitment to quality and reliability makes them an indispensable force in supporting the future of nuclear energy. By leveraging their experience in life extension solutions, EPU support, transformer change-outs, and innovative emergency solutions, EBI ensures that nuclear plants are well-equipped to face the challenges ahead. Their dedication to integrating the latest technologies and industry best practices guarantees that power plants operate at peak performance, delivering reliable energy to support our technology-driven world.

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