

EPR

electrical & power review



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ENERGY SECURITY



In this epic edition, we explore why energy security is essential for India's economic stability, reducing import dependency, strengthening geopolitical strategy, and advancing environmental goals.

WAA Cables contribute to energy security with high-performance copper, and aluminium alloys

The firm employs rigorous testing protocols to guarantee high reliability and performance under varying conditions. This approach positions WAA Cables to effectively support the transition towards smarter, more efficient energy solutions while maintaining the highest standards of dependability.

Akar Sharma of WAA Cables discusses with the EPR Magazine how advanced materials and smart technology integration shape sustainable solutions to meet rising energy demands and enhance national energy security.

How are WAA Cables innovations enhancing energy efficiency and security?

At WAA Cables, we are fully aware of India's growing energy demands and are committed to driving innovation in our product offerings to meet these challenges. We focus on developing advanced materials, such as high-performance copper and aluminium alloys, that enhance conductivity and reduce energy losses.

A key area of innovation for us is electric vehicle (EV) cables, designed to support the rapid expansion of the EV market and ensure efficient energy transfer. By aligning our innovations with the demands of renewable energy and electric mobility, we strive to make a meaningful contribution to India's energy security.

How does WAACAB ensure compatibility with advanced technologies in smart grid systems?

At WAACAB, our strategy is focused on developing products that meet the evolving needs of the power sector, particularly in smart grid systems and IoT applications. We engineer our wires and cables to seamlessly integrate into modern



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Akar Sharma
Head - Inside Sales Team
WAA Cables Private Limited

energy infrastructures, ensuring compatibility with advanced technologies. Additionally, we employ rigorous testing protocols to guarantee high reliability and performance under varying conditions. This approach positions us to effectively support the transition towards smarter, more efficient energy solutions while maintaining the highest standards of dependability.

How does WAA Cables ensure compliance with international safety and sustainability standards?

At WAA Cables, we are deeply committed to ensuring our products meet the highest safety and sustainability standards. We achieve this by adhering to rigorous international regulations through comprehensive testing and certification processes. Our sustainable manufacturing practices include using eco-friendly materials and implementing

recycling initiatives, minimising our environmental footprint. By continuously innovating and swiftly adapting to regulatory changes, we ensure the safety and sustainability of our products and strengthen our competitive edge in the global market.

How does your company ensure workforce skills meet evolving power sector demands?

Rising investments in the power sector are a significant catalyst for innovation at WAA Cables. These investments allow us to expand our research and development efforts, creating cutting-edge products that align with the evolving demands of the market. As the sector advances, the need for a highly skilled workforce becomes even more critical. To address this, we actively invest in training programmes and collaborate with educational institutions, ensuring our team has the expertise needed to thrive in this rapidly changing landscape.

With the country's electrification and renewable energy progress, what role does WAA Cables play in balancing energy mixes and ensuring long-term energy security?

Our company is pivotal in advancing India's electrification and renewable energy goals. Our products, including those tailored for electric vehicles, are engineered to seamlessly integrate with renewable energy systems, optimising energy distribution and storage. We are committed to supporting underserved areas with reliable and cost-effective electrification solutions. By promoting balanced, sustainable energy policies, we contribute to long-term energy security and foster a resilient, sustainable energy future for the country. ⚡