

## PRESS RELEASE

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### **Morgan Advanced Materials delivers comprehensive carbon brush solution for the nuclear industry**

As China's reliance on nuclear energy to sustain its growing population continues to rise, Morgan Advanced Materials has pioneered a unique integrated carbon brush and brush holder which enables greater ease of installation and improved operational safety in nuclear applications.

Morgan has developed its NCC 634 brush solution to resolve many of the issues associated with existing products on the market. The dimensions of standard brushes often make installation a challenge, and failure to use a suitable brush holder impacts on the distribution of electrical current around the brush, restricting overall performance. In order to function both safely and efficiently, the brush holder has to enable an equal spread of contact between the brush and the collector ring; however when existing brush holders are too small to effectively facilitate this transfer, a more comprehensive solution is required.

Morgan has customised a carbon brush which overcomes the installation and performance issues of many standard brushes. Drawing on its industry leading expertise in specially engineered materials, Morgan's proprietary 634 carbon grade delivers consistent and reliable performance, superior wear-resistance and proven longer lifespan, ensuring significantly longer service cycles and reduced overall downtime. The solution also fully addresses considerations around safety, demonstrating full compliance with established industry standards. The product is already being used by a nuclear power station in south China, which has been providing energy to meet 30% of the region's demand for electric power.

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Frank Zhou of Morgan Advanced Materials explained: “We recognise nuclear power generation plays a critical role in meeting the power needs of future generations and so we identified a valuable opportunity to deliver a solution which improves performance and facilitates a seamless installation. Our unrivalled material development capability allowed us to deliver a solution that has been tailored to meet the rigorous demands of the nuclear industry, with a particular emphasis on performance and safety, as underlined by our full compliance with the applicable legislation.”

For further information, please visit: <http://www.morganelectricalmaterials/Nuclear>

**ENDS**

## **About Morgan Advanced Materials**

Morgan Advanced Materials is a global materials engineering company which designs and manufactures a wide range of high specification products with extraordinary properties, across multiple sectors and geographies.

From an extensive range of advanced materials we produce components, assemblies and systems that deliver significantly enhanced performance for our customers’ products and processes. Our engineered solutions are produced to very high tolerances and many are designed for use in extreme environments.

The Company thrives on breakthrough innovation. Our materials scientists and applications engineers work in close collaboration with customers to create outstanding, highly differentiated products that perform more efficiently, more reliably and for longer.

Morgan Advanced Materials has a global presence with over 10,000 employees across 50 countries serving specialist markets in the energy, transport, healthcare, electronics, petrochemical and industrial sectors. It is listed on the London Stock Exchange in the engineering sector.

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