
Applied Graphene Materials Customer Develops Graphene-based Industrial Coating That Helps Save Energy

2022-02-09

The product is expected to be used for power transmission, electrical distribution, and railways, as well as other high energy consumers such as steel mills, smelters, and refineries.

Applied Graphene Materials PLC ([AGM](#)) said its Genable dispersed graphene materials have been found by a manufacturing customer to have significantly reduced power loss when [used as a coating](#) for industrial power transmission equipment.

[Stanvac-Superon Group](#), an [India](#)-based manufacturer of industrial repair and maintenance solutions, was said to be “well underway” with first customer applications, with approval expected shortly.

Its development and testing work found a new protective and conductive coating incorporating AGM's A-GNP35 graphene dispersions will reduce contact resistance in coated copper and aluminium electrical cable joints to reduce the power lost over the connection, the London-listed company said.

This graphene-based coating, called 8079 (A) Power-Plus, was found to result in a 30-50% reduction in contact power loss, offering significant energy savings over time, AGM said.

Stanvac-Superon Group, which also exports outside [India](#), expects the product to be used for power transmission, electrical distribution, and railways, as well as other high energy consumers such as steel mills, smelters, and refineries.

Adrian Potts, AGM's chief executive, said: “This once again reflects the success of AGM's

approach to customer engagement and customer product development. Combining our expertise in formulating and dispersing nanomaterials, we deliver a customised solution to achieve excellent performance gains in customer products.

“We look forward to end-user approvals and long-term revenues from the successful deployment of this coating product in [India](#) and throughout Stanvac's export networks.”

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