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NEI Corporation launches new subsidiary to develop nanotechnology-enabled self-healing coatings, and is awarded a US Army contract

Somerset, NJ – NEI Corporation announced today that it has incorporated and launched a new subsidiary, American NanoMyte, Inc. (ANM), to commercialize its line of self-healing coatings for protecting metal surfaces from corrosion. Enabled by nanotechnology, these self-healing coatings have the ability to repair themselves if damaged or scratched making them uniquely suited for corrosion control.

The initial focus of ANM is to use the self-healing coatings to prevent corrosion of lightweight metals, including aluminum and magnesium alloys. The coatings are also applicable to steel. ANM offers customized coatings solutions to specific application needs where the ability to self-heal is an advantage.

Over the past two years, NEI Corporation has been developing an environmentally friendly (chromate free) technology platform for self-healing coating systems, which include a pretreatment (also referred to as conversion coating), primer and topcoat. ANM has been set up to manufacture and supply these nanocomposite coatings.

“We are excited to have moved from research to market introduction in a short time frame of less than two years,” said Dr. Ganesh Skandan, CEO of NEI Corporation. He added, “The market focused activities of ANM will be key to serving the needs of the customers who require high-performance anticorrosion coatings.”

ANM is aided in part by a contract from the US Army’s Armaments Research, Development and Engineering Center (ARDEC) Corrosion Protection and Control Group located at Picatinny Arsenal, New Jersey. The two-fold purpose of the contract is to enable the US Army to implement advanced anticorrosion coatings on lightweight metals and establish a pilot scale system for producing scaled-up quantities of coating formulations. This effort addresses the need for the development of chromate-free coating systems for lightweight alloys to be used in weapon systems for the Warfighter.

The coatings for the Army’s needs are being designed to inhibit the adverse effects of general and galvanic corrosion on the structural integrity and aesthetic appearance of metal-based systems. The goal of the project with ARDEC is to provide corrosion protection of armaments, ground vehicles, and helicopters thereby reducing rework, decreasing maintenance costs, and extending useful life.

Dr. Fred Allen, President of ANM said, “We can rapidly tailor our anticorrosion coating formulations and use in-house test capabilities to meet a customer’s specific performance requirements. Our goal is to engage customers as partners in developing new self-healing coating products.”



For more information about American NanoMyte Inc., visit www.neicorporation.com and click on Anticorrosion Coatings. For specific inquiries about our self-healing anticorrosion coatings, please contact us at anmsales@neicorporation.com.

About NEI Corporation

Founded in 1997, NEI Corporation develops, manufactures, and distributes nanoscale materials for a broad range of industrial customers around the world. The company's products incorporate proprietary nanotechnology and advanced materials science to create significant performance improvements in manufactured goods. NEI's products include advanced protective coatings, high performance battery electrode materials and specialty nanoscale materials for diverse applications. NEI has created a strong foundation in the emerging field of nanotechnology that has enabled the company to become a leader in selected markets. The company is based in Somerset, NJ. For more information, contact NEI Corporation at (732) 868-3141 or visit www.neicorporation.com