

The NCDMM Board Approves Mission Critical Solutions and United Protective Technologies

Blairsville, Pa. — March 7, 2017. The National Center for Defense Manufacturing and Machining (NCDMM) proudly announces today that its Board of Directors has approved the addition of two new Alliance Partners: Mission Critical Solutions™, LLC (MCS™), and United Protective Technologies LLC (UPT).

“Innovation thrives on collaboration,” said Ralph Resnick, NCDMM President and Executive Director. “NCDMM was established on the principle of collaboration. We inherently understand that it broadens our ability to deliver innovative manufacturing solutions. Our Alliance Partners are leaders in developing, researching, and enabling manufacturing technologies and we are pleased to welcome MCS and UPT into our ranks.”

Mission Critical Solutions (MCS™), located in Alum Bank, Pa., offers a full range of fabrication, machining and engineering services. Its quality systems are certified to be in compliance with the ISO 9001:2008 quality standard, as well as AAR M-1003 quality standard for the Association of American Railroads. The company’s 52,000-foot facility can process carbon steel, stainless steel, and aluminum and includes a well-equipped fabrication shop, complete with a 24 foot, 1050 ton hydraulic press brake, 5/8 x 10 plate roller, CNC punch, HD Plasma cutting and AWS certified welding. MCS also provides vertical and horizontal machining and turning services that include CNC 3-axis, 4 axis and 5 axis capabilities. The company’s on-site team of mechanical, electrical, and quality engineers thrive on taking a client’s concept and transforming it into a cost-effective solution. Some of MCS’ valued client base includes Letterkenny Munitions Center, Redstone Arsenal, Frontier Steel Company and Freightcar America.

United Protective Technologies (UPT) was founded in 2002 around the concept of developing advanced surface modification techniques and products designed to extend the life and enhance the performance of a wide range of devices and components exposed to extreme environments. UPT has built an extensive network of testing partners, allowing the use of advanced analytical tools during the evaluation, development, and implementation of new concepts. In partnership with military entities, including NAVAIR, SOCOM, and the U.S. Army Aviation RDEC, as well as organizations like Boeing, Sikorsky, and Lockheed Martin, UPT has developed a thin, carbon-based film (SP3EC™) designed to prevent corrosion, reduce wear, and improve efficiency; a rotor blade leading-edge protection system; and a Superhydrophobic coating (Velox™).

NCDMM established a team of Alliance Partners to support the activities of the Center with state-of-the-art skills and capabilities. One of the unique features of NCDMM’s approach to the development and deployment of best solutions is the effective integration of the specialized and innovative skills, technologies, and practices of these organizations. Each Alliance Partner provides a significant manufacturing technology expertise that can be directly applied to the manufacturing issues faced by Department of Defense and contractor facilities today.

NCDMM will continue to add Alliance Partners that support its mission and have a passion for advancing the capability of U.S. manufacturers through the development and application of state-of-the-art manufacturing techniques.

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About NCDMM

NCDMM delivers innovative and collaborative manufacturing solutions that enhance our nation's workforce and economic competitiveness. NCDMM has extensive knowledge and depth in manufacturing areas—both commercial and defense—continually innovate, improve, and advance manufacturing technologies and methodologies. Our experienced team specializes in identifying the needs, the players, the technologies, and processes to attain optimal solutions for our customers. We connect the dots. That's the NCDMM methodology. NCDMM also manages the national accelerator for additive manufacturing (AM) and 3DP printing (3DP), America Makes—the National Additive Manufacturing Innovation Institute.