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Geofabrica wins nation's premier dual-use advanced manufacturing technology competition at GVSETS 2022



Photo: George Caravias presenting at GVSETS 2022. (Courtesy of Geofabrica)

(Auburn Hills, MI – August 18, 2022) Geofabrica Inc. won the nation's premier dual-use advanced manufacturing technology competition at GVSETS this week, sponsored by the Michigan Defense Center (MDC/MEDC) in partnership with SAE Government Technologies™ and in collaboration with the U.S. Army Ground Vehicle Systems Center (GVSC).

Geofabrica CEO George Caravias presented the winning innovative manufacturing pitch: *Large Mold Fabrication Using Additive Friction Stir Deposition*, which will be performed at the new Advanced Manufacturing Commercialization Center (AMCC™), to develop production process solutions and drive transition of advanced manufacturing parts to defense programs of record.

Located in Sterling Heights, Michigan, the AMCC features state-of-the-art, government-owned metal additive manufacturing and post-processing capabilities. Geofabrica will use the AMCC's Friction Stir Additive Deposition (FSAD) system for the project. FSAD is the central tool for the U.S. Army's cutting-edge Jointless Hull 3D printing initiative.

"We are excited to begin working with the AMCC to help develop improved production processes and commercialize additive manufacturing technology," Caravias said. "Geofabrica has a long history of developing advanced manufacturing solutions that solve challenges for both Government and commercial manufacturing customers. We look forward to working with the engineers and scientists that are part of this effort."

Vicki Selva, Executive Director of the Michigan Defense Center, congratulated Geofabrica on its winning proposal and expressed excitement for the potential advancements this collaboration may produce. "The State is pleased to

support this award to Geofabrica to begin to forge this path to the future of manufacturing," Selva said. "Innovation is in Michigan's DNA. This new tool has the potential to drive efficiencies and revolutionize mold, tools, and die-cast manufacturing."

The annual Ground Vehicle Systems Engineering & Technology Symposium (GVSETS) is organized by the National Defense Industrial Association (NDIA) – Michigan Chapter.

About Geofabrica

Geofabrica is a manufacturing technology development company specializing in customized additive manufacturing systems for factory and expeditionary applications. We build innovative solutions to unlock the economic and production potential of 3D printing and additive technologies for metal, plastic, and composite applications. We create application-specific devices and processes to help customers overcome the limitations of current technologies and help them achieve a competitive advantage within the evolving digital manufacturing landscape.

About Michigan Defense Center

The Michigan Defense Center (MDC) is an operation of the Michigan Economic Development Corporation focused on the support, protection, and growth of Michigan's defense and homeland security missions and the Michigan businesses that support our nation's security and our military's safety. The MDC is the State of Michigan's lead voice on the defense and homeland security economy and guides the state's policies and programs to protect and grow this important sector of the economy. The MDC acts as a liaison between the state and defense interests in the federal government, defense agencies, the defense industry, academia, and the defense community and supporting organizations.

About SAE Government Technologies

The SAE Industry Technologies Consortia (SAE ITC®) established SAE Government Technologies™ (SAE GT) in April 2022. The SAE GT will build upon the success of the Defense Automotive Technologies Consortium (DATC™) to solve mobility challenges government agencies face as they seek to modernize. By leveraging the SAE ecosystem of mobility expertise, key industry partnerships, and extensive knowledge delivery capabilities, SAE GT will drive innovation and technology transfer between government and industry. Industry will also be able to engage with the government through the Advanced Manufacturing Commercialization Center (AMCC™) advancing SAE GT's mission to serve the community. The purpose of the AMCC is to develop production process solutions as well as inform and drive transition of advanced manufacturing parts to defense programs of record.

About U.S. Army DEVCOM Ground Vehicles Systems Center

The U.S. Army Combat Capabilities Development Command (DEVCOM) Ground Vehicle Systems Center, located at Detroit Arsenal in Warren, Michigan, is the nation's laboratory for advanced military automotive technology. The DEVCOM Ground Vehicle Systems Center is one of eight science and technology domains within the command, which has the mission to ensure decisive overmatch for unified land operations to empower the Army, the joint warfighter, and the nation. The center's mission is to research, develop, engineer, leverage and integrate advanced technology into ground systems and support equipment throughout the life cycle.

About the Advanced Manufacturing Commercialization Center

The U.S. Army Combat Capabilities Development Command (DEVCOM) Ground Vehicle Systems Center (GVSC) Materials Division is working with SAE Government Technologies™ (SAE GT) to establish the Advanced Manufacturing Commercialization Center (AMCC™) to develop production process solutions and inform and drive transition of advanced manufacturing parts to defense programs of record. This effort is contracted through the Commercial Technologies for Maintenance Activities (CTMA) cooperative agreement and the National Center for Manufacturing Sciences (NCMS).