



**Media Contact:**

Ms. Lori DeBernardis

Director of Marketing & Public Affairs

Telemedicine & Advanced Technology Research Center (TATRC)

E-mail: [usarmy.detrick.medcom-usamrmc.list.tatrc-PAO@health.mil](mailto:usarmy.detrick.medcom-usamrmc.list.tatrc-PAO@health.mil)

## **TATRC awards Research Contracts for Passive Data Collection using Sensor Suite Technologies within the Autonomous Casualty Care (AC2) Research Portfolio**

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**Press Release – For Immediate Release**

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**FORT DETRICK, Md.** – The United States Army Medical Research and Development Command's Telemedicine & Advanced Technology Research Center has awarded two research contracts for the development of novel sensor suite configurations to support passive data collection and autonomous documentation of care delivery during tactical combat casualty care (TCCC) environments. The recipients of these Medical Technology Enterprise Consortium (MTEC) Other Transaction Authority (OTA) awards are Applied Research Associates (ARA), Inc and Moberg Analytics. Both teams will provide key components to support TATRC's Autonomous Casualty Care (AC2) mission.

One critical aim of TATRC's AC2 research portfolio is to build a repository of data generated by combat casualty care providers wearing multimodal passive sensing technologies while performing TCCC tasks in realistic battlefield settings. This data repository will be leveraged to develop artificial intelligence (AI) tools for the future. To achieve these goals, TATRC must first be able to capture all patient statuses, care delivery tasks and resource consumption in the TCCC venue passively, without disrupting or distracting from care delivery. The sensor suite technologies that will be developed by ARA and Moberg Analytics will be a critical component of accomplishing the larger objectives of automating casualty care.

"Without a means to collect data reliably and passively from the point of injury (POI) through higher echelons of care, the Military Health Care system will continue to lack the essential data to develop trustworthy artificial intelligence (AI) to support future concepts that will sustain medical operations in future conflicts. TATRC welcomes the opportunity to partner with ARA and Moberg Analytics to help capture these essential data using their novel sensor suite tools," said TATRC's Commander, COL Jeremy Pamplin.

Both ARA and Moberg Analytics teams will commence their support of TATRC's AC2 research portfolio with a six-month sprint of passive sensor suite development. At the conclusion of this initial development sprint, the government will conduct an independent performance assessment of each technology product and provide valuable feedback to the performer teams. In total, this research contract provides options for a total of three six-month technology development sprint cycles, as required. The total value of the overall research contract award for the two performers will not exceed \$1.25 million.

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**About TATRC:**

U.S. Army's Telemedicine & Advanced Technology Research Center's (TATRC) is engaged in essential medical research focused on advanced medical technologies and is dedicated to bringing innovative telehealth solutions to the Warfighter and the Military Health System. TATRC fosters research on health informatics, telemedicine / m-

Health, medical training systems and computational biology to address gaps in DoD medical research programs and military healthcare.

For more information on TATRC, please visit: <https://www.tatrc.org>.

**About Applied Research Associates, Incorporated:**

Applied Research Associates, Inc. (ARA) is globally recognized for applying technically-excellent, in-depth and diversified research, engineering, and technical support services to provide answers to complex and challenging problems in the physical sciences. ARA is a 100% employee-owned scientific research and engineering company dedicated to solving critical national problems to improve our safety, security and way of life. For more information on ARA, please visit: <https://www.ara.com>.

**About Moberg Analytics:**

Moberg Analytics designs cutting-edge medical technology that brings clinical decision support to the point of care and the time of need. By leveraging decades of experience in medical device connectivity, data fusion, cloud technology, and artificial intelligence, the company develops innovative yet intuitive solutions for both civilian and military environments. Moberg Analytics products create an ecosystem of tools that harness the power of multimodal data for informed decision making. For more information on Moberg Analytics, please visit: <https://moberganalytics.com>.