USA Environmental, Inc.

A Small Business • Munitions Response Services

Professionalism
Responsiveness
Cost Effectiveness

Geophysical Services

USAE employs an experienced geophysical team that provides full-service environmental and munitions response services, including advanced geophysical classification (AGC) capabilities.

Core Value: "Technology"

Dedicated to proper application of technologies, maintaining a high level of skill and capabilities, and exploring world-wide scientific solutions to continually improve our value to our customers.

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

USAE is among a select group of firms addressing potential explosives safety risks at munitions response sites (MRSs). Accredited by the ANSI National Accreditation Board (ANAB) to perform AGC under the Department of Defense (DoD) Advanced Geophysical Classification Accreditation Program (DAGCAP) since December 2018, USAE successfully renews this accreditation through annual and biennial audits. Through DAGCAP, we apply our Quality Management System, based on the ISO/IEC 17025 standards, and perform surveys in accordance with DoD Quality Systems Requirements for AGC. This ensures we deliver the highest quality data, provide cost savings, and maintain accountability for our clients.

As a member of the Environmental and Engineering Geophysical Society (EEGS), USAE's team of geophysicists undergoes extensive training to stay current with industry standards and trends. In addition to AGC, we utilize state-of-the-art geophysical equipment, including the latest suite of electromagnetic (EMI)-based advanced geophysical sensors. When combined with proven and cutting-edge positioning systems, our equipment provides exceptional data collection and remediation results.

Experience and Quality

USAE performs both terrestrial and underwater geophysical surveys. The combination of AGC and Digital Geophysical Mapping (DGM) technology, alongside our extensive munitions response experience, enables us to design innovative characterization and remediation solutions for any project. From site investigations to removal actions, our team tailors solutions to fit the specific scope of work.

By maintaining a high level of technological capability and expertise, USAE is committed to exploring industry trends and technological advancements to continually enhance the value we deliver to our customers.

USAE has completed nearly 1,000 geophysical surveys for both government and private sector clients across diverse locations and terrains worldwide, including Puerto Rico, Guam, Tinian, South Korea, the Philippines, and throughout the United States, including Alaska and Hawaii.

NAVFAC Pacific rated USAE as *Exceptional* and *Very Good* for our use of AGC in reducing the minimum separation distance (MSD) required during the construction of proposed MILCON in Guam.

Performing dynamic survey using the Geometrics, Inc., Metal Mapper 2x2 AGC Sensor, Puerto Rico

Following a successful munitions assessment and removal at the former Naval Air Station's skeet range and quarry in Brunswick, ME, USAE received an Exceptional rating from NAVFAC for regulatory compliance. The investigation included DGM and statistical evaluations to assess potential munitions concerns. "*The fieldwork and quality controls for this project were of excellent quality. The USAE team provided excellent technical consultation support to explain the results of the fieldwork conducted as part of this contract.*"

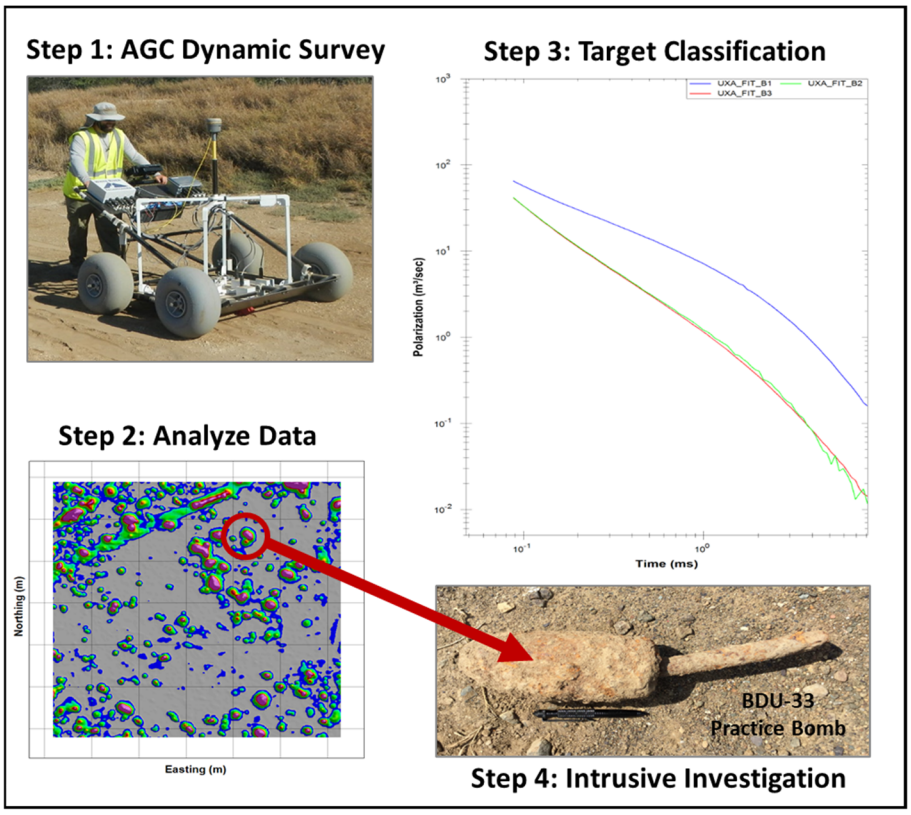
For a U.S. Army Corps of Engineers (USACE) Remedial Action at the >209-acre former Motlow Range Complex, a challenging, heavily wooded site, USAE performed extensive DGM and AGC. These surveys resulted in a significant reduction (>82%) in the number of Targets of Interest requiring intrusive investigation. USACE rated USAE *Very Good* for Quality and Management.

Geophysical Services (cont.)

Efficiency of a One-Pass AGC Survey
Reduce Cost by Detection and Classification of UXO in One Step
(AGC Can Result in >80% Reduction in Intrusive Investigations)

When time is critical and data collection and processing need to be expedited, the use of a one-pass AGC Survey can reduce the time and costs associated with performing dynamic AGC followed by cued DGM targets. USAE utilizes White River Technologies' One-Pass APEX system which fast-tracks the process, makes reacquisition of each anomaly unnecessary, and produces full AGC results with reduced time and effort.

USAE employs White River Technologies' DAGCAP accredited APEX One-Pass AGC sensor, Guam



Geonics EM61-MK2A deployed in stretcher mode during DGM survey, Tinian

USAE's custom designed EM61 towed array is customizable for 1 to 3 coil array.
Left – Two EM Coil configuration. Right – Three EM Coil configuration