



UXO news: Zonge International wins geophysical mapping event at Robotic Range Clearance Competition using newest DNT technology

Contact: Todd Meglich
720-962-4444
toddm@zonge.us

TUCSON, ARIZONA, September 28, 2011 - Zonge International garnered a first-place team win in the digital geophysical mapping task at the Robotic Range Clearance Competition (R2C2) held Aug. 10 in Camp Guernsey, Wyo. using the company's newest transient electromagnetic acquisition system, the Dynamic NanoTEM (DNT).™

"The DNT provides advantages to UXO mapping surveys, manned or unmanned," says Todd Meglich, Zonge senior geophysicist who performed the competition survey. "The DNT's acquisition parameters being user-configurable and the multi-timegate data allow for more advanced data processing and target discrimination, which are big steps forward. The R2C2 competition showed that we are close to being able to field a complete, autonomous solution to the UXO clearance problem."

The mapping team, consisting of Zonge, Kairos Autonomy contributing the autonomous vehicle, and Autonomous Solutions software, was awarded a \$250K prize based on a team score of weighted performance factors including data noise level, target detection and accuracy, level of vehicle autonomy, and speed. Geophysical mapping was one of four tasks comprising the overall competition. Winning first prize in the mapping task contributed to the team also being awarded the \$1 million competition award.

The competition was called by the Joint Ground Robotics Enterprise (JGRE), a U.S. Dept. of Defense enterprise, to "tap into the innovation and ingenuity of the commercial sector to improve the safety and effectiveness" of range clearance of unexploded ordnance, a significant and costly problem for the military, per the JGRE 2010 competition invitation.

Zonge International is an employee-owned company providing geophysical field services, consulting and instruments to consultants, geoscientists and geotechnical engineers worldwide. The company is a pioneer in the development of electrical and electromagnetic methods.
Web: www.zonge.com

Kairos Autonomi Web: www.kairosautonomi.com
Autonomous Solutions Web: www.autonomoussolutions.com

###