



2009 ARMY RESEARCH AND DEVELOPMENT ACHIEVEMENT (RDA) AWARD FOR OUTSTANDING TECHNICAL ACHIEVEMENT

Sensor Enhanced Armor: A New Technique for Evaluating Armor Health

TARDEC's Research & Technology Integration (R&TI) Group received an RDA Award for Outstanding Technical Achievement for "Sensor-Enhanced Armor: A New Technique for Evaluating Armor Health". The team's contributions play a vital role in keeping Soldiers safe in the field. Sensor-enhanced armor was developed to accurately test armor plates for damage using sensors embedded inside the armor plates. A baseline test is run and compared to future tests to determine if a plate has sustained damage. The system will eventually be integrated into vehicle computer displays so Soldiers can tell if vehicle armor has been damaged.