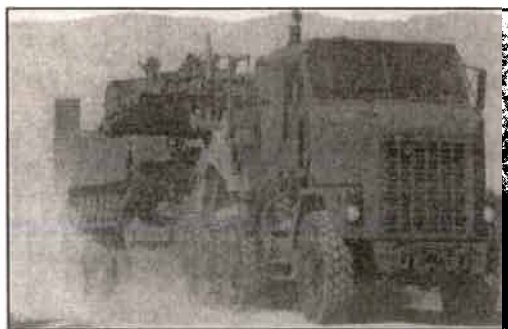


16191



Lethality, Survivability, Mobility and
Sustainment for America's Army

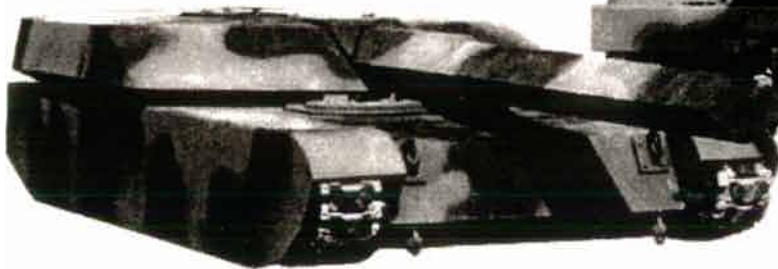
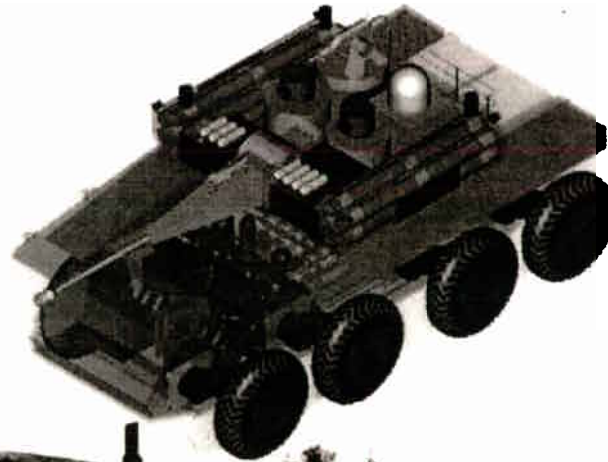
Tank Automotive Research, Development, and Engineering Center



Report Documentation Page				Form Approved OMB No. 0704-0188	
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TARDEC's Vision

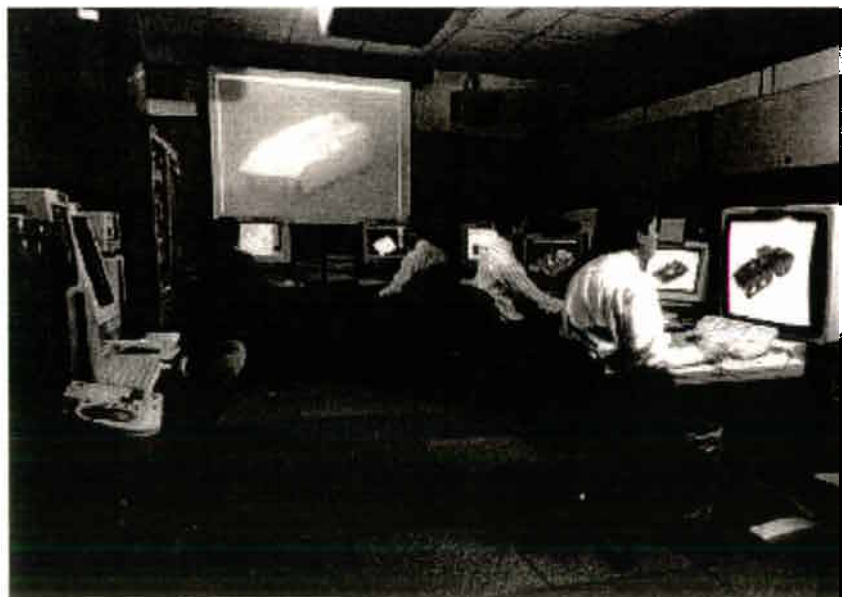
Superior Technology for a Superior Army



Committed to Excellence

TARDEC's Mission

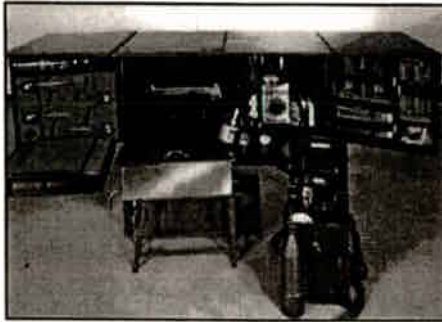
To research, develop, engineer, leverage, and provide advanced systems integration of technology into ground systems and support equipment throughout the life cycle.



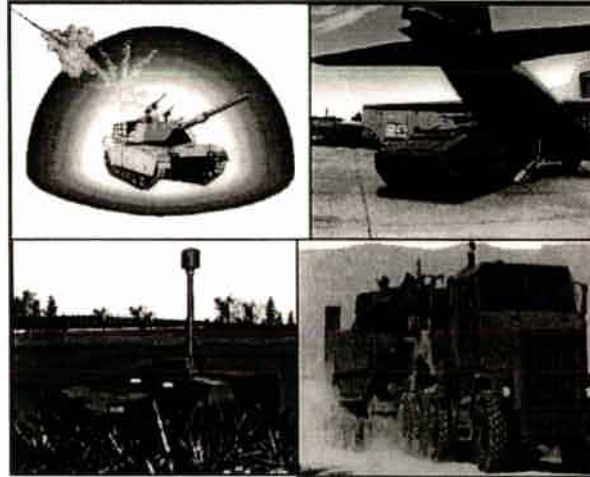
TARDEC's Customers

- US Soldiers, Sailors, Airmen, and Marines
- AMC's Laboratories, other RDECs, Depots and HQs
- Secretary of the Army - Research, Development and Acquisition
- Program Executive Officer for Ground Combat Support Systems
- Deputy for Systems Acquisition/Life Cycle Management
- Defense Advanced Research Project Agency
- Integrated Materials Management Center
- Defense Logistics Agency
- Other DoD agencies and foreign governments
- Training and Doctrine Command Schools and Battlelabs

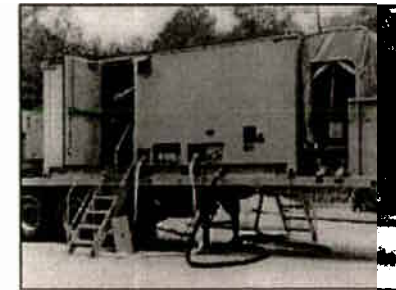
TARDEC's Seven Principle Product Lines



*Fuel Storage, Distribution,
and Quality Surveillance*



*Combat and Tactical
Vehicles*



*Water Generation,
Purification, Storage,
Distribution, and
Quality Surveillance*



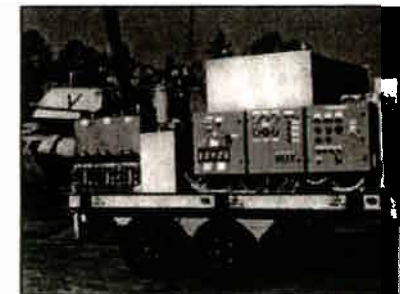
Fuels and Lubricants



Military Bridging



*Countermine
Equipment*



Logistics Equipment

Committed to Excellence

TARDEC's Principal Laboratories

Simulation Lab

Concepts Lab

Visual Perception Lab

Fuels & Lubricants Lab

Water Purification Lab

Propulsion Lab

**Vetronics Integration
Simulation Lab**

Laser Lab

Composite Application Lab

Robotics Lab

Virtual Prototyping Lab

Track & Suspension Lab

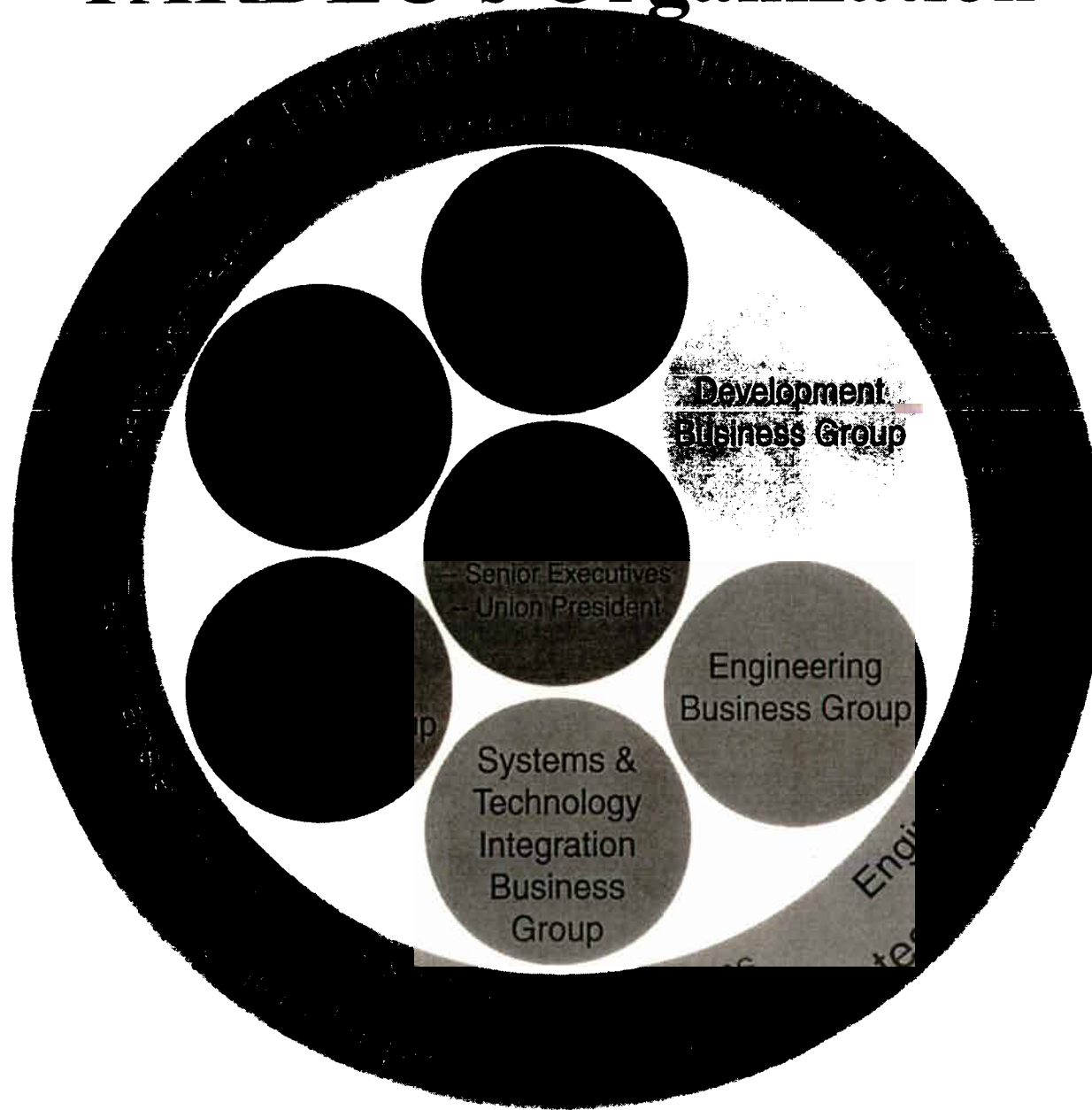
Rapid Prototyping Lab

**High Performance
Computing Lab**

Terrain Sensing Lab

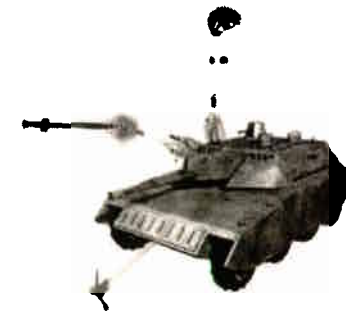
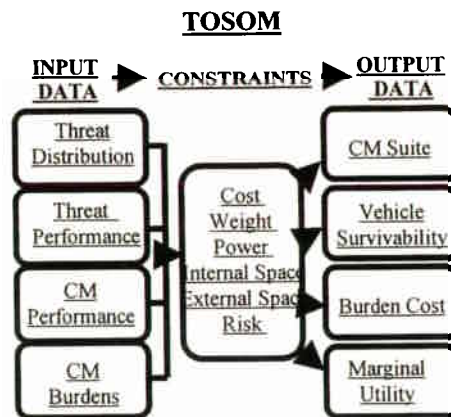
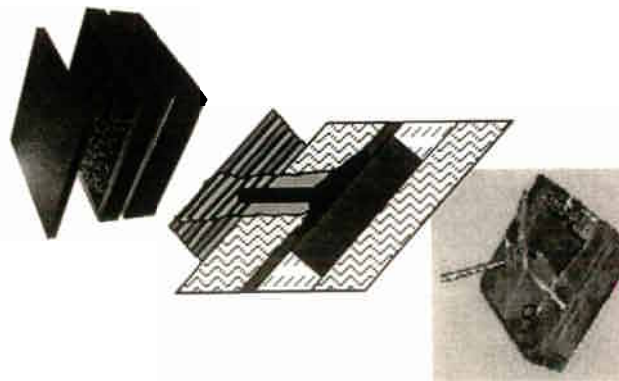
50+ Special Facilities

TARDEC's Organization



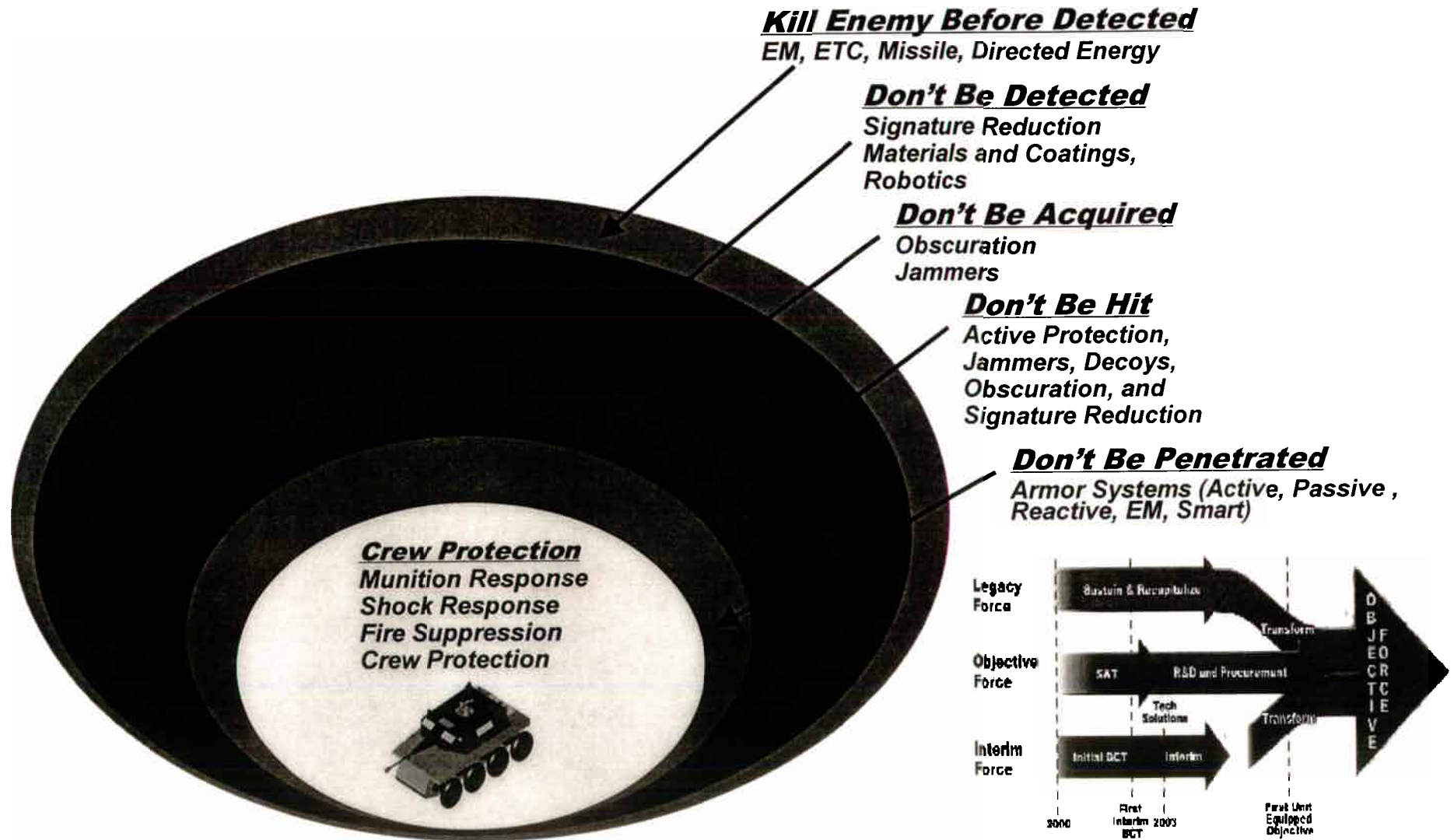
Committed to Excellence

SURVIVABILITY TECHNOLOGY AREA



Fight Effectively - Bring the Crew Home Alive

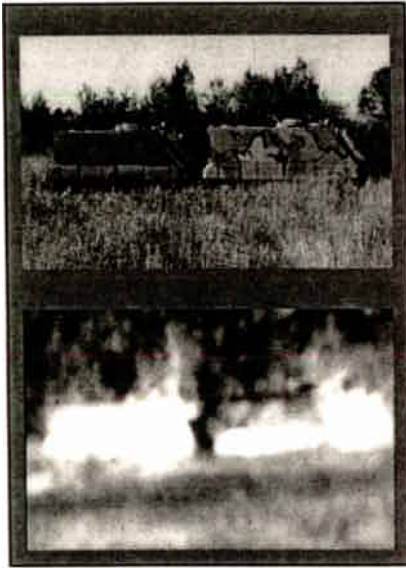
Integrated Survivability



Fight Effectively - Bring the Crew Home Alive

SURVIVABILITY TECHNOLOGY AREA

ASSOCIATE DIRECTOR: DR. JACK PARKS



- **Combat Vehicle Team/Survivability Technology Applications Team**

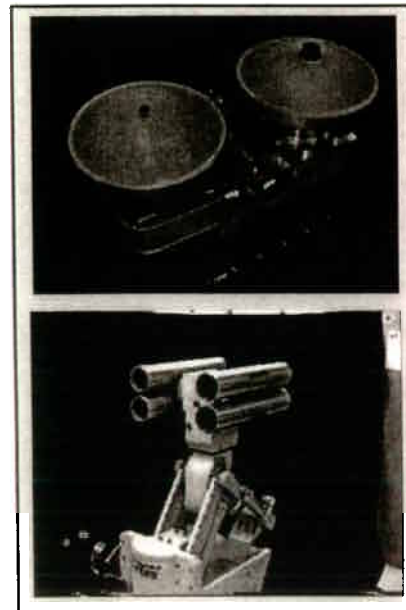
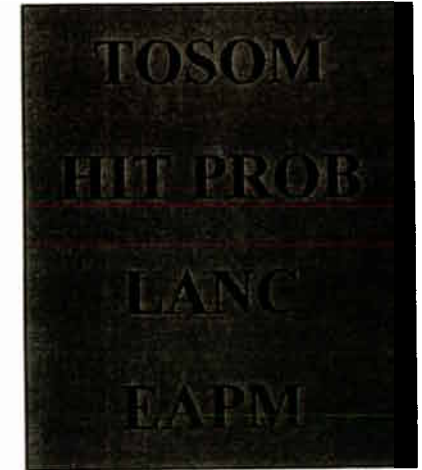
Team Leaders:

- ← **Mr. David Thomas/Mr. Steve Knott**
- **Advanced Signature Management**

- **Survivability Optimization Modeling Team**

Team Leader: Mr. Daniel Hicks

- **Survivability Model Development and Support**



- **Hit Avoidance Integration Team**

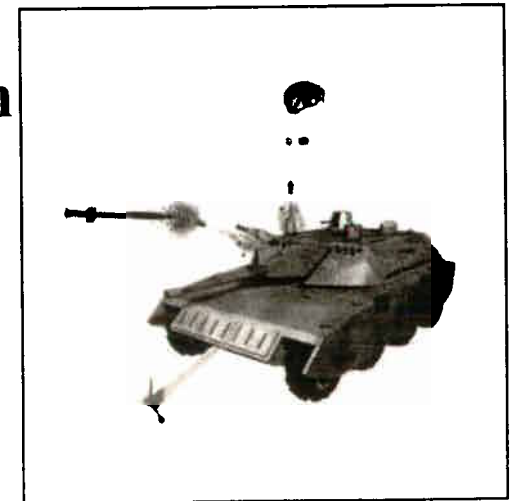
Team Leader: Mr. James Soltesz

- **Kinetic Energy Active Protection**

- **Technology Research Team**

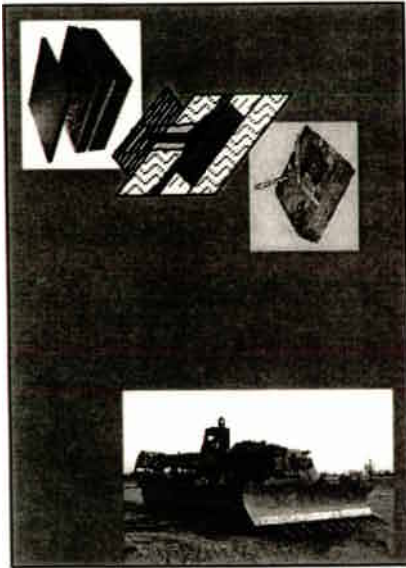
Team leader: Mr. Charles Acir

- ←
- **Chemical Energy Active Protection**
 - **EW Sensors and Countermeasures**



SURVIVABILITY TECHNOLOGY AREA

ASSOCIATE DIRECTOR: MR. STEVEN SCHEHR



- **Emerging Technologies Team**

Team Leader: Dr. Doug Templeton

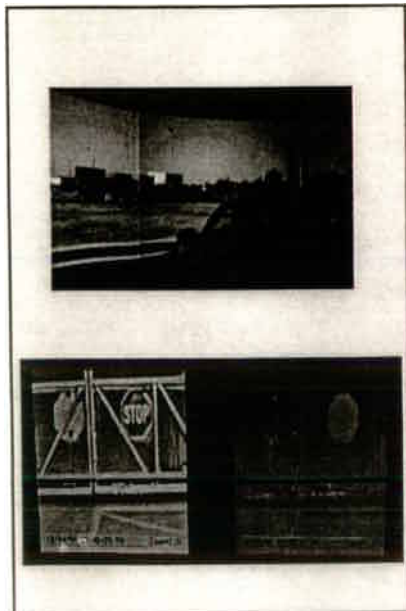
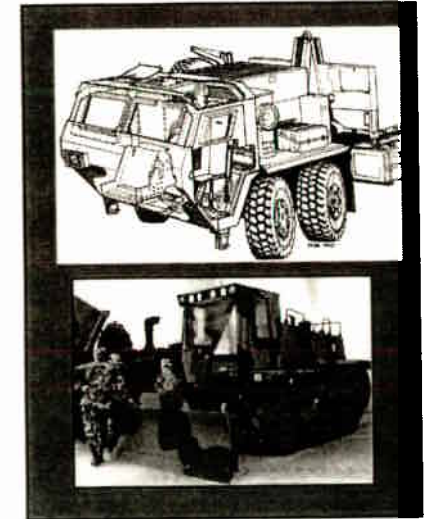
- Advanced Armors / Design Tools
- Laser Protection
- Vehicle Sensor Integration



- **Tactical Vehicle Team**

Team Leader: Mr. Rene Gonzalez

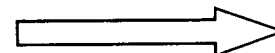
- Crew Protection
(Mines/Bullets/Explosive Fragments)



- **Vehicle Research Team**

Team Leader: Dr. Grant Gerhart

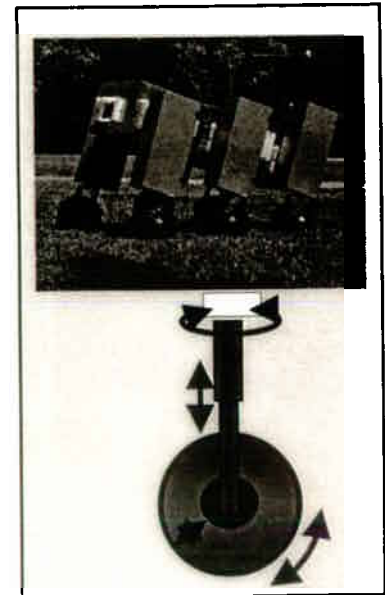
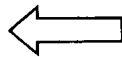
- Intelligent Mobility Robotics Lab



- **Visual Perception Laboratory Team**

Team Leader: Dr. Thomas Meitzler

- Signature Mgmt Effectiveness assessments
- Validate Target Detection Models
- Vehicle Sensor Fusion / Display Systems



Summary

- TARDEC ensures that our soldiers have the best performing, most reliable, and easiest to maintain ground vehicles in the world
- Survivability Technology Area ensures that ground vehicles enable our soldiers to fight effectively and come home alive