



***Purpose:***

**Provide NDIA Symposium An Overview Of  
U.S. Army, PEO STRI, PM ITTS  
TMO Activities**

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# ***FALSE IMPRESSION CAVEAT***



It should be explicitly noted that the U.S. Government makes no official commitment nor obligation to provide any additional detailed information or an agreement of sale on any of the systems/capabilities portrayed during this presentation that have not been authorized for release.



# **OUTLINE**



- **Who We Are**
- **Mission**
- **Activities**
- **Organization (Tie-in with Testing & Training)**
- **Recently Developed Products**
- **Future Efforts**
- **Summary**



# ORGANIZATION



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## ***TMO MISSION***



- **MANAGE TOTAL LIFE CYCLE OF TARGETS, OPERATIONAL THREAT VEHICLES, TARGET CONTROL SYSTEMS AND GROUND RANGE SYSTEMS USED IN LIVE AND VIRTUAL TESTING AND TRAINING.**
- **PROVIDE BEST VALUE ACQUISITION, SUPERIOR LIFE CYCLE SUSTAINMENT AND OPERATION FOR THE U.S. ARMY, DoD AND INTERNATIONAL CUSTOMER.**
- **EXECUTE MISSIONS AS ASSIGNED OR DIRECTED BY PEO STRI AND PM ITTS.**



# PRIMARY ACTIVITIES

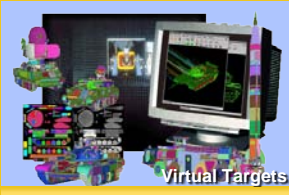


## Based on Customer Target Requirements

- Aerial – Fixed and Rotary Wing
- Mobile Ground / Foreign Materiel (both conventional and unconventional)
  - “Real Deal Steel”
  - Surrogates
- Virtual – Models and Simulations
- Precision Targetry Systems
- Auxiliary / Ancillary Equipment



MQM-107



Virtual Targets



Precision Targetry System



UAS-T



SMERCH



QUH-1



T-72



Towed Target



MSAT



BMP-2



RPVT



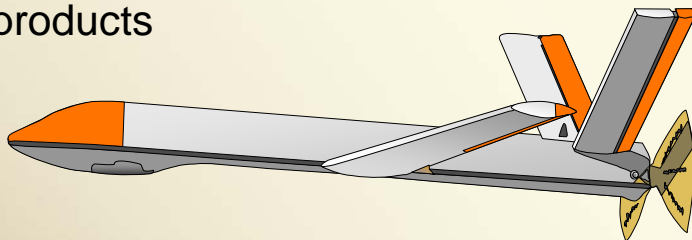
Technical Vehicle



# WHAT WE DO



Develop products



Buy products



AND we



Fly



Drive



Sustain



# AERIAL TARGETS



- Turnkey Operations
- Target Systems Flight Services Supporting Army and Tri-service Test, Training and FMS Requirements
- Low Cost



\*Aerial Target Flight Services

Simulate Aerial Threats World-Wide in Live and Virtual Domains





# MOBILE GROUND TARGETS



## Centrally Manage and Execute:

- Over 480 assets
- Mobile Ground Targets for development and operational testing
- Multiple usage options:
  - Rent
  - Lease
  - Buy
- Provide accreditation support



- Range Targetry
- Design
  - Procurement
  - Fielding
  - Support

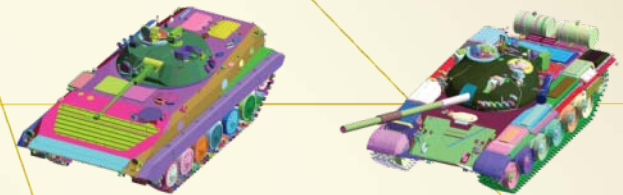
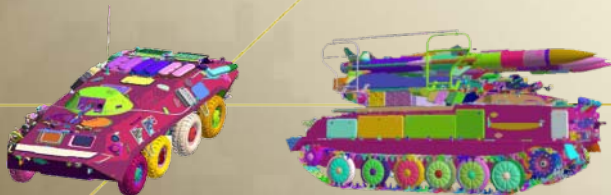
Threat Representative Targets in Live and Virtual Domains



# VIRTUAL TARGETS



- **Virtual Targets Project:** Building simulation target models capable of being used in synthetic signature prediction analysis software programs
- **Target Generation Laboratory:** Transitioning CAD models into simulation compliant visual, infrared, and radar frequency simulation target models
- **Army Model Exchange:** Distributing simulation target models to simulation developers throughout the Army T&E community





# WHAT WE HAVE DEVELOPED/ PURCHASED RECENTLY



## Precision Target Signature

URAL 375



T-72



BMP-2



UAS-T



Virtual Targets



JCHAAT



# FIVE YEAR FORECAST TO DEVELOP/PURCHASE



## Medium Speed Aerial Targets

## High Speed Aerial Targets

### Precision Targets - Mobility



**Looking at technology areas to enhance current capabilities**



Rotary Wing Targets

### Fully Mission Capable Threat Targets



Technical Vehicle w/crew representation



Common Control System



# SUMMARY



## ***TMO:***

- ALWAYS LOOKING FOR A BETTER, FASTER, CHEAPER PRODUCT FOR OUR CUSTOMERS
- RECOGNIZED LEADER OF AERIAL AND GROUND TARGETS
- READY TO RESPONSIVELY AND RESPONSIBLY SUPPORT T&E AND SPECIAL TRAINING REQUIREMENTS

**NEED INDUSTRY TO CONTINUE PROVIDING STATE OF THE ART TECHNOLOGIES FOR ADAPTATION AND INCORPORATION INTO TARGETRY**



# PROVIDING/OPERATING AERIAL, GROUND & VIRTUAL TARGETS

AERIAL TARGETS

Target ID	Altitude	Speed	Direction
1	10000	100	North
2	10000	100	North
3	10000	100	North
4	10000	100	North
5	10000	100	North
6	10000	100	North



VIRTUAL TARGETS

GROUND TARGETS

