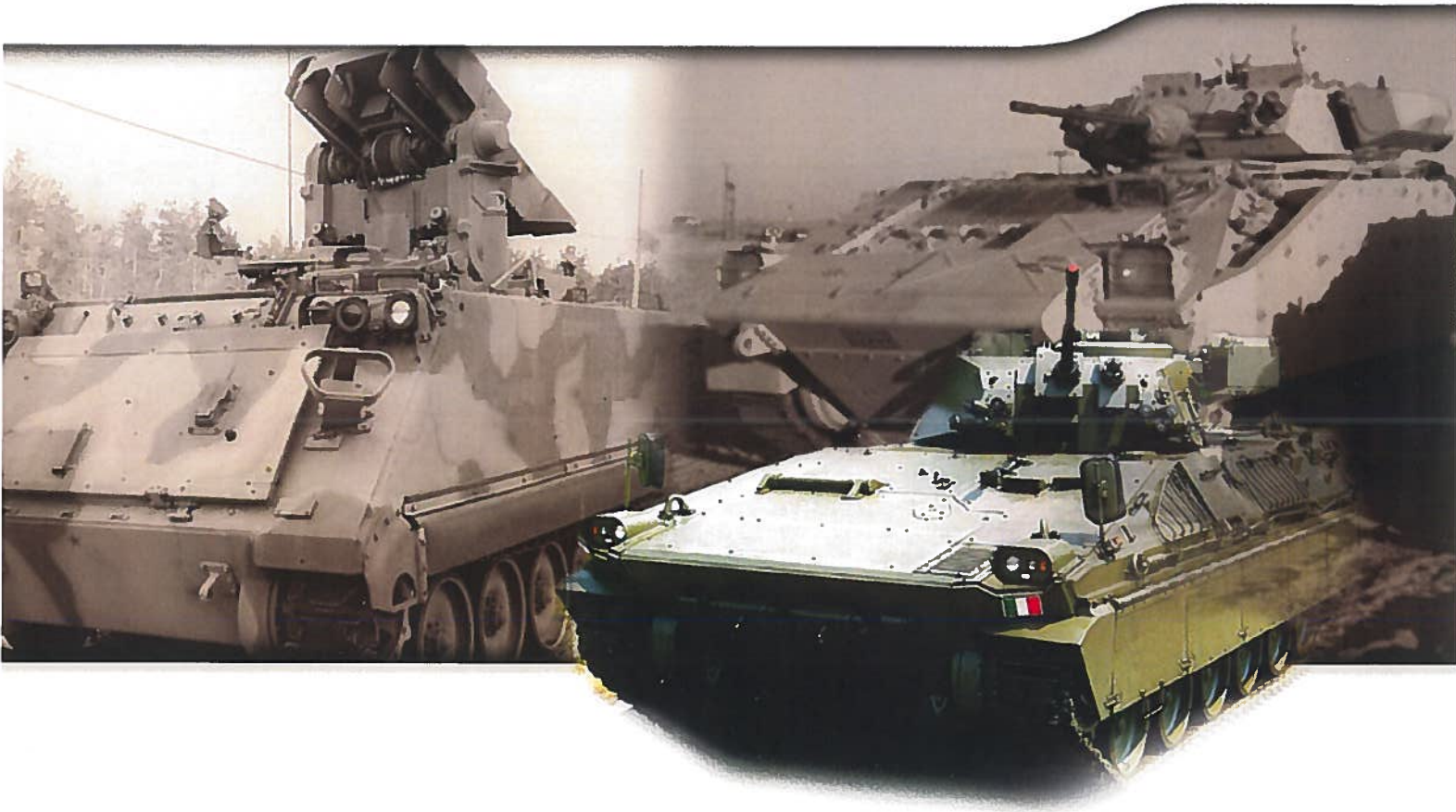




## TOW Turret Capability



Based on more than 32 years of TOW and Fire Control System (FCS) experience ADS offers TOW turret users a full range of system upgrades and supportability improvements that realize system sustainment of existing platforms well into the future. Combined with turret level expertise and long term partnering relationships, ADS provides cost effective sustainment solutions that fit within the tight defense budget constraints today and well into the future.

### Turret Level

- Electronics
- Drive Systems
- Armament
- Integration & Test
- Maintenance Systems

### System Level

- FCS Upgrades
- TOW Sight ,Trackers and Missile Guidance
- Countermeasures
- Situational Awareness / Driver Thermal Viewer
- Maintenance Systems

### Support Level

- Significant reliability improvement
- Reduced repair cost
- Local maintenance support with reduced repair times

## Technical Information

### Performance Data

- Transmitter (Er:Glass): 1.54 $\mu$ m
- Pulse Energy: >8mj
- Repetition Rate: 1/6pps, 1pps burst
- Beam Divergence <1mRad
- Receiver Range: 200 to 9,995 meters
- Accuracy:  $\pm$ 5m
- Logic: First/Last/BIT
- Extinction Ratio: >36dB
- Optical Magnification: x8 or x12
- Boresight Adjustment:  $\pm$ 5mRad
- Dimensions: 219x130x192mm
- Weight: 6kg
- Power: 24VDC (MIL-STD-1275A)
- Power Consumption: <40W

### Environmental Conditions

- Operation Temperature: -32°C to 62°C
- Storage Temperature: -45°C to 71°C
- Vibration: MIL-STD-810
- Shock: 30g, 11msec.
- Operation Altitude: 10,000 feet
- Storage Altitude: 30,000 feet

# ADS

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