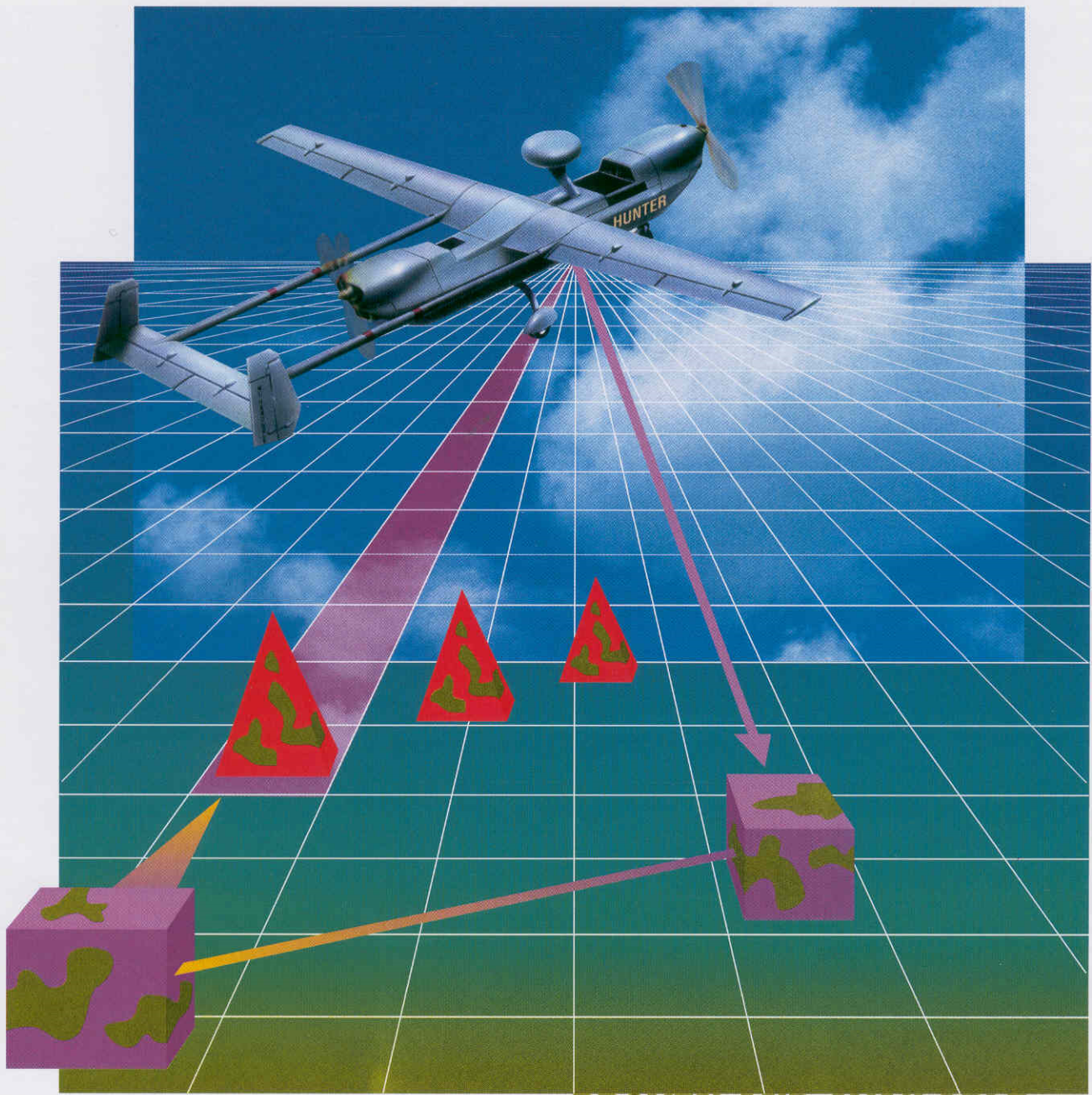


HUNTER

**THE TACTICAL UNMANNED AERIAL VEHICLE
SYSTEM THAT HAS MET EVERY CHALLENGE**



PROVEN AND AVAILABLE



Developed by an unequalled team, Hunter was selected by the U.S. Government to satisfy the requirements for its Short Range UAV system.

TRW Avionics & Surveillance Group and Israel Aircraft Industries (IAI) are recognized leaders in aerospace and defense. The world's most experienced team in UAV technology, IAI and TRW operate as a single unit, bringing to the Hunter decades of proven design, development, production, integration, project management and incorporation of battlefield experience.

TRW is a pre-eminent force in U.S. battlefield management with demonstrated unique military capabilities. TRW is the largest provider of tactical airborne reconnaissance systems for the U.S. Army, and has over 30 years of systems integration/engineering experience in reconnaissance and command, control, communications and intelligence (C³). TRW's unmatched capabilities in software development and implementation for military programs have established the company as one of the DoD's major prime contractors.

IAI's formidable reputation for combat-proven, comprehensive UAVs and systems rests on an unmatched record of 20 years of experience, over 40,000 hours of UAV flight operations and four generations of UAV systems worldwide. IAI works hand in hand with the Israel Defense Forces, translating first hand operational knowledge into combat-proven comprehensive systems. IAI's plants (MALAT, ELTA, TAMAM and others) constitute, under one roof, a unique combination of expertise and capabilities for tailoring comprehensive solutions to every customer's operational requirements.

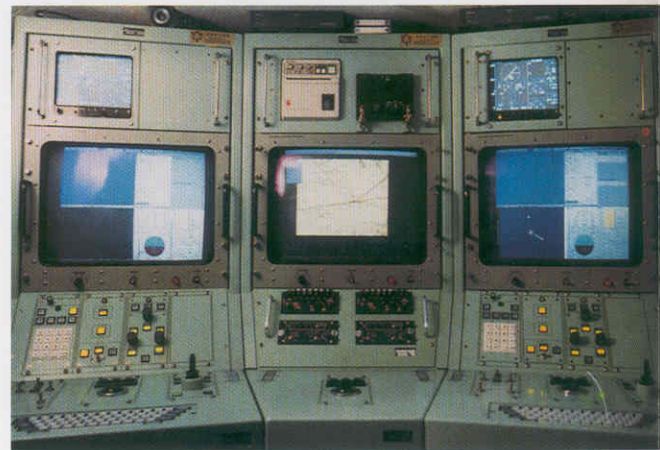
System Design

The advanced Hunter tactical range UAV system includes:

- ▲ Twin engine air vehicle with redundant systems.
- ▲ MOSP - Day/Night, dual sensor, multi-mission optronics stabilized payload.
- ▲ Two Ground Control Stations, used for UAV command and control.
- ▲ A Mission Planning Station for real-time UAV mission planning.
- ▲ A ground and airborne data link communication and tracking system.
- ▲ An airborne data relay for commanding and controlling a mission UAV through a relay UAV.
- ▲ Launch and recovery systems.
- ▲ Ground Support Equipment.



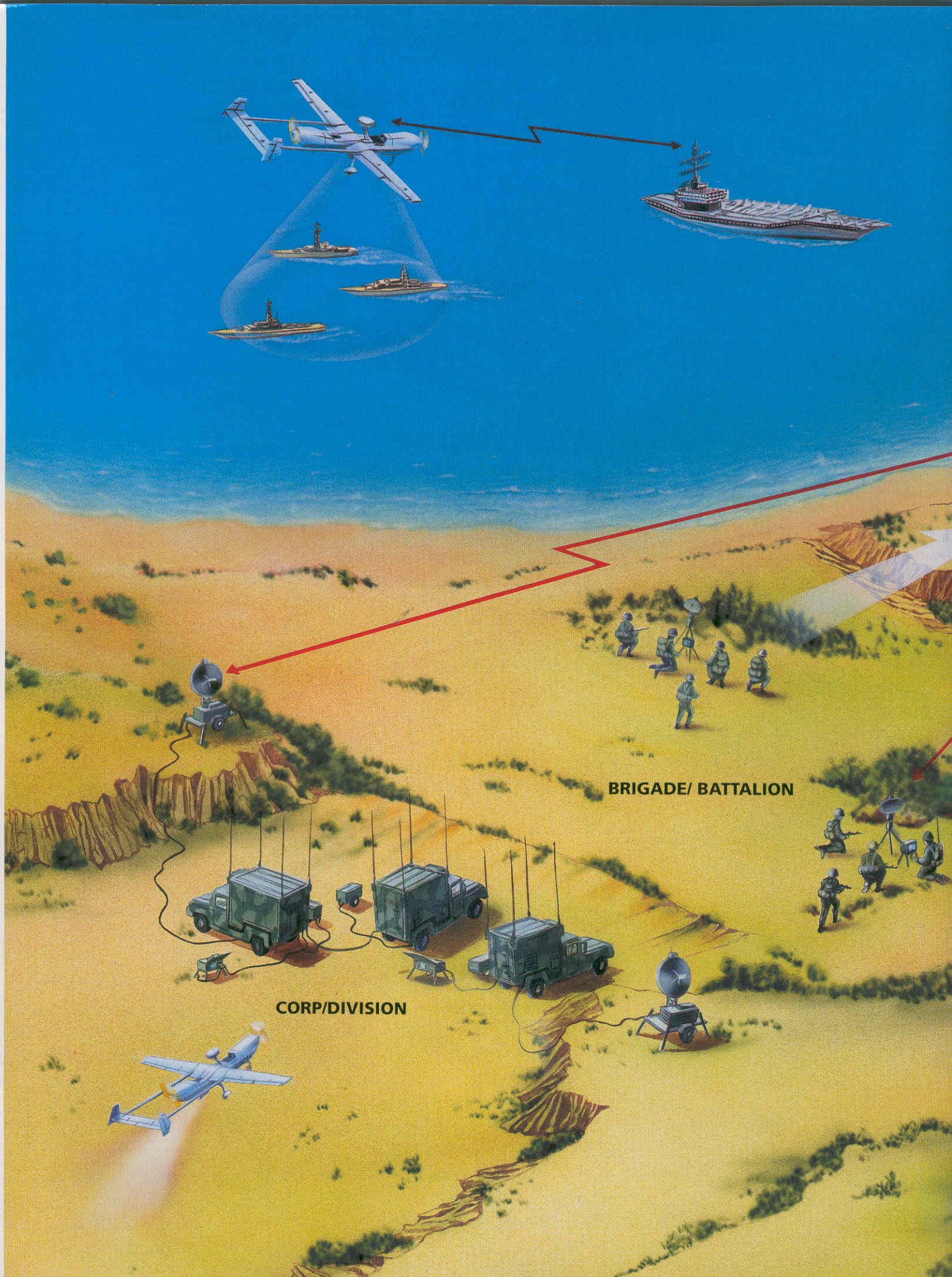
MISSION PLANNING AND CONTROL STATION - U.S. ARMY



MISSION PLANNING AND CONTROL STATION

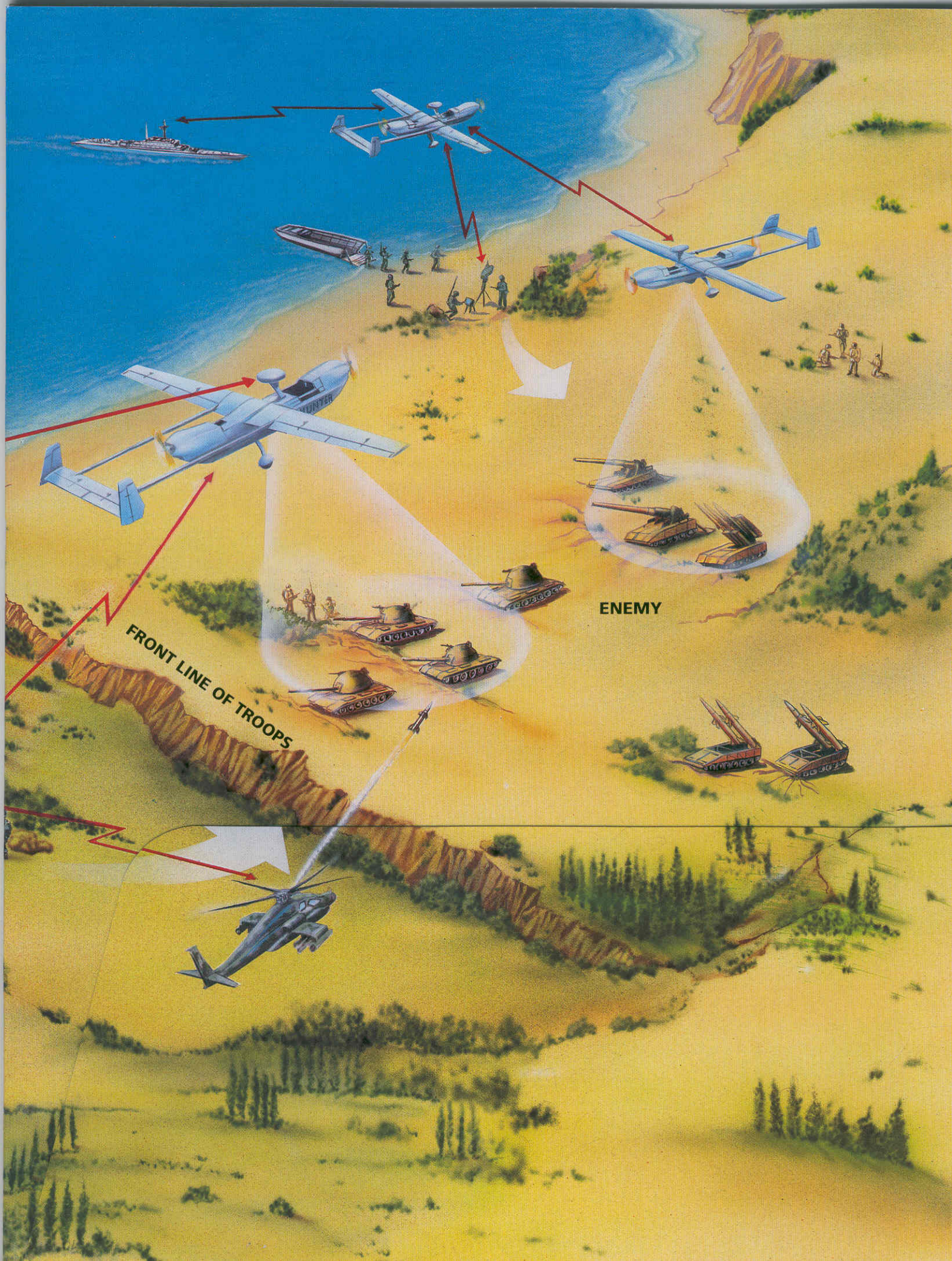


REMOTE VIDEO TERMINAL (RVT)



BRIGADE/ BATTALION

CORP/DIVISION



FRONT LINE OF TROOPS

ENEMY

Hunter – the cornerstone for all UAV systems

Versatile, highly reliable and affordable, the multi-mission Hunter features enhanced payload capacity, greater range and more endurance.



ROCKET ASSISTED TAKE-OFF

Fully redundant with twin engine air vehicle, the system significantly increases vehicle survivability and recoverability and prevents the loss of sophisticated or classified payloads through "minimum single point failure" design criteria (dual feed systems, electrical flight control, and other systems).

Interservice interoperability and commonality.

Enables joint simultaneous performance of a variety of different corps battlefield missions at every level, and with the command, control and communications architecture of the Army, Navy, Marines and Air Force.

Multi-UAV Operation

During test flights, four Hunter UAVs were in the air (two mission UAVs and two relay UAVs controlled by two GCSs) while the relay UAV, fully equipped with a MOSP, also successfully acted as a mission UAV.

Hunter Brings a Unique Dimension to Battlefield Management

Strong, rugged and operational under most weather conditions, Hunter relays reconnaissance, surveillance and target acquisition and battlefield observation information back to ground control and mission monitoring stations; in real-time.

The Hunter system enables commanders to look deep into enemy territory by providing real-time comprehensive information necessary for real-time combat decisions.

System Highlights

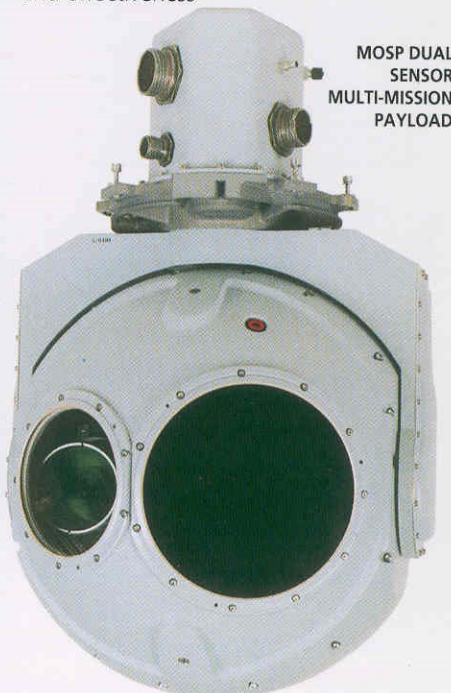
MOSP, a dual sensor light-weight electro-optical payload with stabilized platform and tracking capabilities, providing complete coverage of the lower hemisphere. Unique to the Hunter, a range of sensor options including FLIR and TV with an in-flight ability to switch from one to another - providing a tactical advantage for target identification.

Software-driven, Hunter's advanced system allows all flight and communication data required for mission planning, commands and control including potential threats by on-site Mission Planning Station (MPS) to be prepared on computer.

A Breakthrough in UAV Tactics

UAV Relay System

Hunter's tandem relay system enables a UAV to transmit and receive data and imagery through a second UAV, which in turn relays the data to and from ground stations, resulting in increased UAV range and effectiveness



MOSP DUAL
SENSOR
MULTI-MISSION
PAYLOAD

Extensive Growth Potential Capability

Additional available space, carrying capability and electrical power on the UAV, enable the integration of additional payloads (i.e. Communication Relay, SAR/MTI RADAR, EW) and the ability to carry more than one payload (multi-sensor concept). Also, the modular building block approach and available computer capacity enable effective implementation of future upgrades. The MOSP has provisions for adding laser designator/range finder.



GROUND DATA TERMINAL (GDT)

U.S. - Based Product and Training Supportability.

Technical Specifications

System Performance

Operational range	125 km +
Operational range with airborne data relay	200 km
Data link	Two (2) uplinks - microwave band Two (2) downlinks - microwave band

Air Vehicle

Performance

Endurance	12 hours
Maximum ceiling	15,000 ft (max take-off weight)
Cruise speed	60-80 knots
Maximum speed	110 knots

Dimensions

- Wing Span	8.9 meter (29 ft)
- Length	6.9 meter (23 ft)
- Height	1.7 meter (5.6 ft)

Space for Payloads

Up to 12,000 cu inch internally

Weight

Maximum T/O	1600 lbs (727 kg)
Maximum fuel	300 lbs (136 kg)
Maximum payload	250 lbs (114kg)

Take-off and recovery

Runway	200 meters
Rocket Assisted Take-Off	
Landing via arresting cable & hook	

Safety

Parachute for emergency recovery

Propulsion

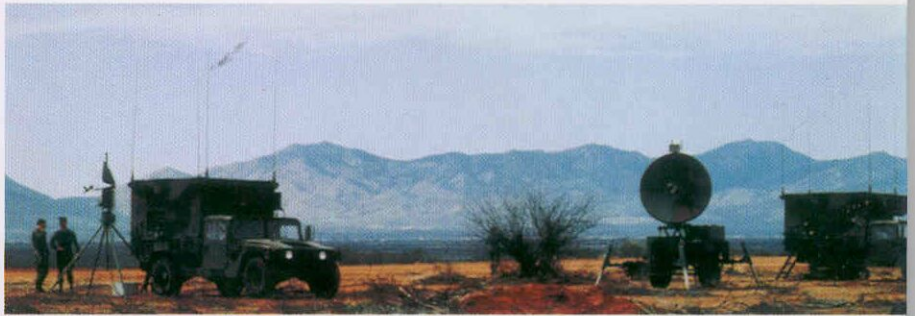
Twin engine (in tandem)
2 x 68 hp

Fuel

Gasoline (Mogas)

Power Supply

3000 watt electrical power supply for airborne equipment
1500 watt available for different payloads



VIEW OF HUNTER GROUND SYSTEM COMPONENTS

Payloads

- MOSP
 - Gimbaled sensors with 360 degree azimuthal coverage
 - Day/Night Real-Time payload: FLIR and TV Cameras
- AIRBORNE DATA RELAY

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