



COMPEL INDUSTRIES

PRODUCTION - TRADE - SOLUTION - COMPANY

PREDATOR AX-2

REMOTE-CONTROLLED GROUND TO GROUND
ATTACK DRONE



MAIN CHARACTERISTICS

- Autonomous
- Remote command control (a military-grade tablet) serves for target selection, device take-off, as well as its eventual self-destruction (e.g. in case of flight cancellation)
- The device is man-portable in a custom backpack with take-off ramp which also contains remote control and thus constitutes one portable object

COMMAND OPTIONS

- Virtual reality head track (used in connection with command control tablet)
- Mobile control station which may be installed in a suitable armed vehicle, collects operational intelligence, uses live video feed from Predator AX-1 drone for real-time adjustment
- Stationary control station which also collects operational intelligence, uses live video feed from Predator AX-1 drone for real-time adjustment, and moreover, constitutes a complete command workplace including 3 fully equipped workstations with sophisticated hardware and software technology; also for command of other drone types of up to 70 km reach

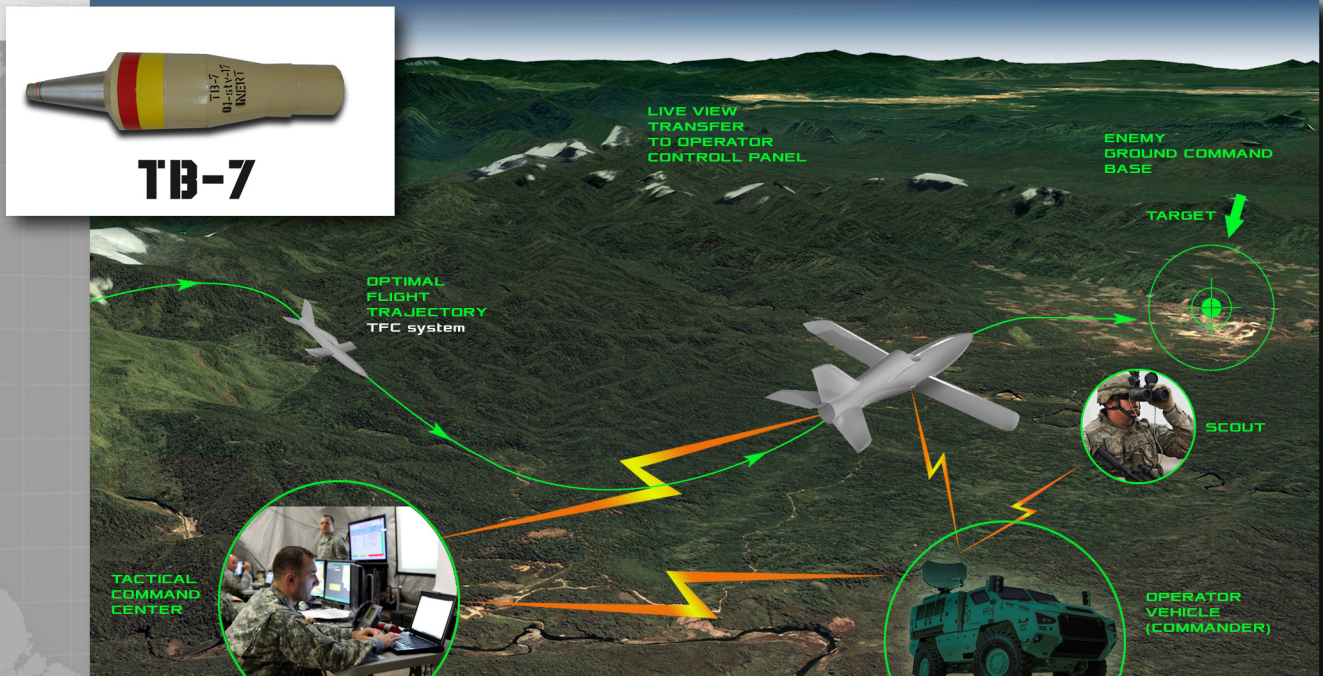


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FUNCTION MODE DESCRIPTION

Basic operational mode requires an operator (a soldier) who carries the Predator AX-1 drone in a custom backpack to a site suitable for drone take-off. The backpack will be placed on a level ground and a procedure for take-off will be executed (backpack mounts, system start, cover removal, antennae system set-up, explosive load activation etc.). The operator will select a target on the command control device (tablet or other, according to available command control options) and start the drone which takes off with aid of a mechanical catapult and a solid fuel engine. The drone achieves the minimum take-off speed and continues to fly in selected cruising altitude with help of its own engine in order to reach and hit the target.



PRODUCT COMPONENTS

- The drone
- Custom backpack with take-off gear
- Remote control command device, optional:
 - o manual - tablet (5 km reach)
 - o mobile – for installation in vehicles (20 km reach, extended command options)
 - o stationary control station (20 km reach, extended command options)

BASIC PARAMETERS

Maximum speed:	430 km/h
Cruise speed:	190 km/h
Minimum (stall) speed:	130 km/h
Maximum take-off weight:	18 kg
Maximum payload:	2,2 kg
Flying altitude:	5 – 3000m (from take-off to cruising altitude)
Engine:	jet engine
Operational range:	20 km
Operational time:	min. 12 min

