



WB GROUP 
AMERICA

BRUTUS-T

155MM Howitzer with TOPAZ Integrated
Combat Management System



155MM MOBILE WEAPON SYSTEM (155MWS)

BRUTUS-T

Weapon System

155mm Mobile Hybrid
Soft Recoil Howitzer

Caliber

155mm (6.10 in)

Length

25 feet. (7.6 m)

Width

8 feet. (2.44 m)

Height

11ft 6in. (3.5 m)

M776 Cannon w/Breech

3700 lb.

Cradle/Recoil Mechanism

1170 lb.

Total Tipping Parts

4870 lb.

Top Carriage

Group 1500 lb.

TOPAZ Integrated Combat Management System (ICMS)

No. of grooves

48

Muzzle brake

Double Baffle

Breech block

Screw Block

Recoil Mechanism

Hydro-
pneumatic, soft recoil

Carriage

Aluminum Alloy

Traverse limits

360 degrees (6400 mils)

Elevating limits

-5 to +72 degrees
(-89 to 1173 mils)

Temperature Range

Lower Limit
-40°F (-40°C) Upper
Limit
+125°F (+52°C)

M776 155mm Ammunition Compatibility

All Rounds compatible
with M7765

M776 Cannon

Specifications Rate of Fire

Maximum: 5 rounds per
minute
Sustained: 2 rounds per
minute

Maximum Firing Range

Charge 5: 15.5 miles (24.7
Km)
RAP: 18.75 miles (30 Km)

Crew Requirements

5-7 personnel (Extreme
Conditions: 5 personnel)

TOPAZ Integrated Combat Management System (ICMS)

TOPAZ-ICMS is a fully integrated fire control solution enhancing situational awareness. The TOPAZ-ICMS solution facilitates an adaptive workflow drawing upon the core elements in battle: overwatch / observation, management / logistics and strike.

All these elements in tune together transform situational awareness and common operating picture to the next level, creating a COLLABORATIVE OPERATING PICTURE for military commanders.

FONET, as the hardware element within TOPAZ-ICMS, is a set of devices and software which enables a unified voice and data exchange base between military vehicles on the multidomain battlefield.

Additional Features which may be integrated to this platform include;

- UAV's for Reconnaissance and Targeting
- Loitering Munitions
- Additional Direct/Indirect Fire Applications
- A wide variety of Tactical Handheld and Vehicular Radio Platforms

A fully integrated, modular set of applications:

TOPAZ Recon

-  reconnaissance
-  observation
-  situational awareness

A function that enables the real-time analysis of information acquired from reconnaissance and observation systems – this include the unmanned aerial systems, ground surveillance systems, battlefield radars and various types of observation sensors.

TOPAZ Tactics

-  communications
-  command
-  battlefield management

Enables the automated command of all subordinate units. In addition, thanks to the integration with the civil communications systems, this function enables soldiers to communicate with crisis response units and uniformed service.

TOPAZ Strike

-  strike
-  air strike
-  anti-aircraft protection

Enables to carry out a precise strike using available loitering munitions systems.

TOPAZ Logistics

-  supplies
-  service
-  support
-  modernization

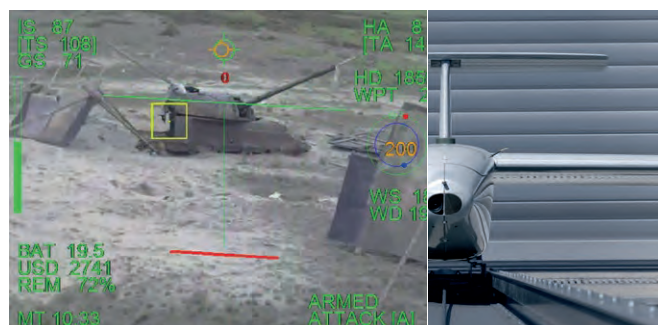
Enables the control of all logistic assets, including ammunition reserves and technical condition of vehicles by the commander.

TOPAZ AFCS (Automated Fire Control System)

-  fire control system
-  integration of firing assets

The original version of TOPAZ is a complex system enabling the commander to gain full control on the battlefield with help of all available surveillance sensors.

The key advantage of TOPAZ ICMS is its modularity and scalability. This allows to build various configurations that connect all WB GROUP's products and functions, creating a fully integrated solution enhancing situational awareness in the military and civil sectors, that provides support in strategy, mission planning & preparation.



COMPATIBLE PRODUCTS

FONET Digital Communication Platform

WARMATE Loitering Munitions System

FLYEYE UAV

The family of **COMPON** radios

Dismounted Observation & Command System **U-GATE**



1800 Diagonal Road, Suite 600
Alexandria, Virginia, 22314 USA

t: +1 571 366 1772