



# 105 mm, M56/33

## Towed howitzer



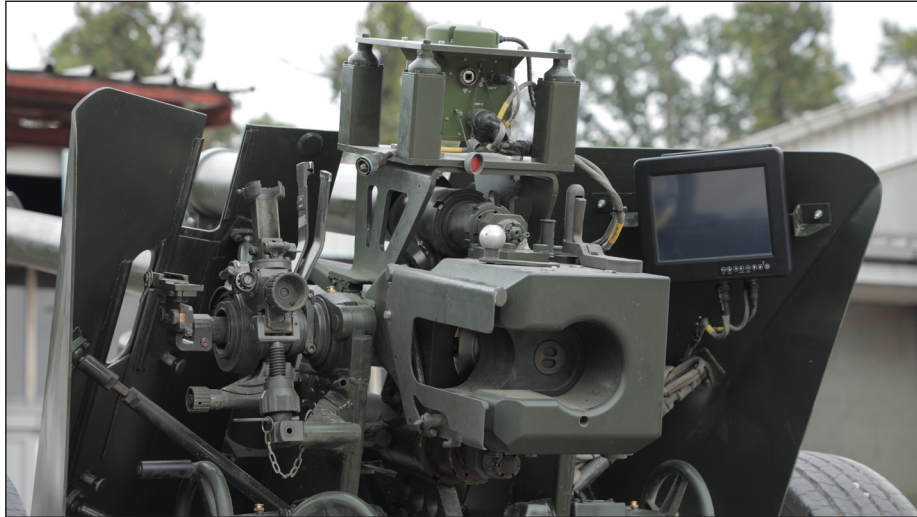
### Characteristics:

• Type	Towed system with INS
• Caliber (mm)	105
• Number of crew	6+1
• Normal rate of fire (rds/min)	6
• Maximum range (km)	~18.1
• Time required to convert from travelling to firing position (min)	Less than 2
• Field of action in traverse (°)	52
• Field of action in elevation (°)	-10 up to +65
• Maximum projectile velocity (m/s)	~ 675
• Maximum pressure (bar)	~ 2650
• Type of breech mechanism	Horizontal sliding wedge
• Weight of barrel (kg)	340
• Length of barrel (mm)	3500
• Road ground/clearance (mm)	335
• Total weight travelling position (kg)	2370
• Fire Control System	Yes, with INS
• Total length travelling position (mm)	6880
• Total width travelling position (mm)	2150
• Total height travelling position (mm)	1560



NOTE: All length, weight, angle, temperature, volume and muzzle velocity values have tolerance of  $\pm 2\%$ .

## Fire Control System Integrated on the Howitzer



- |   |            |
|---|------------|
| • Real time heading accuracy              | 0,5 mils   |
| • Mean time between failure, MTBF         | > 80.000 h |
| • Possibility to integrate in AFCS        | Yes        |
| • Instillation of the radio communication | Optionally |

FIRE CONTROL EQUIPMENT AT WEAPON LEVEL on each weapon position (one set per each gun, total six sets in the battery), consisting of:

- Gun display unit with carrier
- INS with GPS
- Power supply
- VHF digital radio

## Ballistic trajectories of M56/33 howitzer

