



**T-72**

**MAIN BATTLE TANK  
MODERNIZATION PROGRAM**



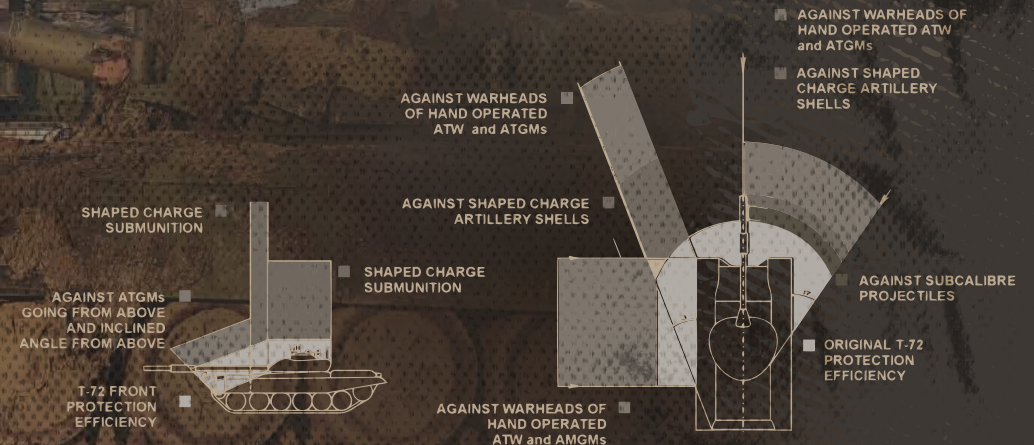
- ▶ Comparable with MBT 3rd generation
- ▶ High mobility and maneuverability
- ▶ Excellent conduct of battle activities by day and night, higher effects
- ▶ High passive and active protection
- ▶ Easy operation, maintenance and repairs
- ▶ Ammunition of higher fire effects
- ▶ Increase of the day and night fire efficiency conducted by the gunner and commander for both the static and moving targets
- ▶ Increase of the first round hit probability
- ▶ Improvement of the battle activities conduct by day/night
- ▶ Introduction of more efficient ammunition
- ▶ Increase of the tank crew protection
- ▶ Increase of the maneuverability and technical features of the tank
- ▶ Improvement of the reliability
- ▶ Easy to operate, maintain, and repair

## MAIN GOALS OF THE MODERNIZATION

## TECHNICAL DATA

Weight .....	48 t
Max. power of engine .....	736 kW
Power output .....	15,3 kW/t
Surface pressure .....	94,1 kPa
Crew .....	3
Maximum speed .....	61 km/h
Operation range .....	700 km

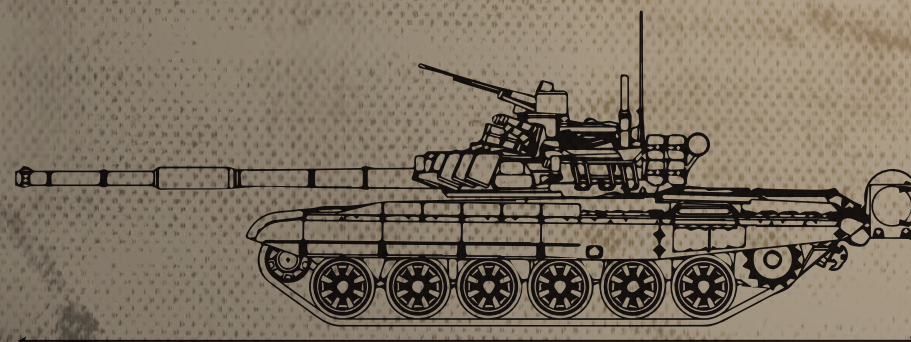
## DYNAMIC PROTECTION



# MAIN OPERATIONAL IMPROVEMENTS OF THE MAIN BATTLE TANK

- ▶ Increase of the first round hit probability, especially with the tank on the move
- ▶ Improved efficiency of the APFSDS ammunition
- ▶ Increase of the crew protection against effects of approaching projectiles
- ▶ Improvement of the tank mobility and maneuverability
- ▶ Integrated driving unit P/Pack
- ▶ Increase of the driving unit life cycle
- ▶ Maintaining of the actual operational status of the tank
- ▶ Automatic gear shift
- ▶ Engine and transmission electronic control
- ▶ Decrease of the fuel and oil consumption
- ▶ Steering by the steering bar
- ▶ Improved night observation capabilities
- ▶ Possibility of the tank navigation and orientation improvement in the terrain
- ▶ Improvement of the crew compartment heating
- ▶ Independent auxiliary supply of power for the tank equipment, aside of the tank batteries
- ▶ Possibility of digging the trenches, and terrain modifications
- ▶ Increase of the engine power

2 720 mm



9 800 mm

# SUBJECTS OF THE MODERNIZATION



FIRE CONTROL SYSTEM  
NIGHT VISION DEVICE  
NAVIGATION SYSTEM  
ELECTRICAL SYSTEM  
OPTICAL SYSTEM  
CANNON



INCREASING CHASSIS PAYLOAD  
AUXILIARY POWER UNIT  
POWERPACK  
TRACKS



LASER WARNING SYSTEM  
COMMUNICATION SYSTEM  
FIRE FIGHTING SYSTEM  
PROTECTION SYSTEM  
TURRET





VOP CZ is a state enterprise established by the Ministry of Defence of the Czech Republic for activities in the sector of research, development, manufacture, services and trade in the field of military materials. We celebrated 70th anniversary of its establishment in 2016. Within the terms of general repairs we have complexly modernised T-55 tanks into T-55AM2 tanks. Between 2003 and 2005 we prepared and realised modernisation of 30 pcs T-72 tanks into T-72M4 CZ tanks, including the T-72M CZ-W command post version and three modernised VT-72M4 CZ recovery tanks for the Czech Armed Forces.

We manufactured 107 PANDUR II 8x8 CZ wheeled armoured transporters for the Czech Armed Forces between 2009 and 2013. The delivery included development and manufacture of special vehicles in reconnaissance, engineering, ambulance and command post versions. We prepared 4 modernised PANDUR II 8x8 CZ vehicles for the military mission in Afghanistan.

Now we are strategic partner for MOD of the Czech Republic in project of new tracked IFV - development and production of 210 pcs.

**VOP CZ, S.P.**



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