

Russia's Armata may become first robot tank

The Armata tank – due to form the backbone of Russia's armed forces for years to come – may evolve into a fully robotic vehicle that could operate autonomously on the battlefield, according to its designers

ARMATA T-14 MAIN BATTLE TANK

Turret: Unmanned, operated by remote control. 125mm main gun fires guided missiles as well as standard shells

Active protection system (APS)

Radar panels detect incoming enemy anti-tank munitions

High-resolution camera

Slat armour
Protects engine

Applique armour

Covers front two-thirds of vehicle sides

Armour structure

Ceramic-steel plating – much lighter and 50 percent stronger than steel alone
Ceramic outer layer
Composite backplate

ARMATA T-14 SPECIFICATIONS

Weight	48 tonnes
Overall length	10.8 metres
Width	3.5 metres
Maximum speed	90km/h
Operational range	500km

Remote weapon station

Automated 7.62mm machine gun with 360° panoramic sight

APS launchers: Fire explosive charges to destroy or confuse incoming munitions

Reactive armour: Shields top of hull and turret. Explodes on impact to stop projectile reaching main armour

Engine

1,500-hp diesel

Armoured capsule

Three crew isolated from ammunition and fuel

Ammunition: 45-round capacity – fed to main gun by autoload mechanism

Digital control system: Directs tank movement, tracks targets and activates defence systems, freeing crew from routine tasks