# AR WHEELED ARMORED VEHICLE



### SUPERIOR MOBILITY OUTSTANDING SURVIVABILITY

ARMA is a new generation modular multi-wheeled armored vehicle with superior tactical and technical features.

The modular and highly protected hull design of ARMA 8x8 provides a multipurpose platform that enables seamless integration of various types of mission equipment and/or weapon systems which meet the needs of modern armies in combat and peace keeping operations.

ARMA, being an agile and highly maneuverable platform, can be operated over long distances in a wide range of challenging terrains from deserts to arctic conditions.

#### **Vehicle Concept**

- State-of-the-art design and engineering
- Low silhouette and compact vehicle size with large internal volume and high payload
- Modular infrastructure for future operational requirements
- Superior mobility in a wide range of demanding terrains
- Armored monocoque hull protecting crew against a wide variety of threats
- Engine and power unit located at the right front of the vehicle
- Configurable to carry up to nine troops seated face to face, in addition to the commander, gunner and driver.
- Ergonomically designed seating for protection and comfort
- Outstanding reliability, long service life and low life cycle cost





#### **Mobility and Power**

- Extraordinary mobility in both urban and cross-country environments
- Field proven in various on and off-road conditions under diverse climatic conditions
- Fully independent suspension
- High power to weight ratio
- Power-assisted two-axles steering system providing precise control and easy maneuverability with tight turns
- Central Tyres Inflation System (CTIS) enabling the driver to adjust the tyre pressure while traveling
- Optional amphibious capability
- Powered by a turbo-charged diesel engine that generates high power and extraordinary torque at challenging terrains
- Superior reliability and maintainability
- Low fuel consumption and operational cost
- Optional amphibious capability by twin propeller drive with joystick control

### **Exceptional Cross Country Performance**

The independent suspension system enhanced with Run Flat Tires, built-in Central Tyres Inflation System (CTIS) and Anti-locking Brake System (ABS) improves ground mobility and ride comfort even over the roughest terrain. Vehicle's mobility is further enhanced with longitudinal and transverse differential locks and the high power to weight ratio coupled with high ground clearance and approach/departure angles.

#### **Survivability**

- Modular ballistic protection, upgradable according to future threats
- Superior ballistic protection against KE projectiles and fragments
- High level of mine protection
- Enhanced protection against IEDs
- Equipped with Nuclear, Biological and Chemical (NBC) protection solutions
- Specially designed seats preventing body injuries such as head, neck, spinal cord and pelvis
- · Five-point seat belt providing safe cruising for the crew

#### **Fire Power**

- Suitable for integration of various weapon systems from 7.62 mm up to 120 mm (and also 120 mm mortar)
- Ideal platform for anti-tank or anti-aircraft missile systems

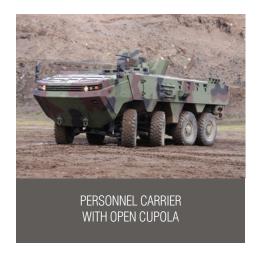


## MISSION ORIENTED MODULAR INFRASTRUCTURE

ARMA is designed to meet specific requirements of various customers in modern combat, peace keeping and humanitarian relief operations.

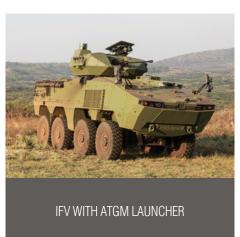
ARMA is available in various types of mission configurations such as Armored Personnel Carrier, Infantry Fighting Vehicle, Mobile Gun System, Mortar Carrier, Command Post, Ambulance, CBRN Reconnaissance, Driver Training, Reconnaissance, Maintenance, Recovery, Mine and IED Detection System Vehicle etc.

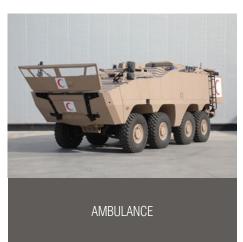












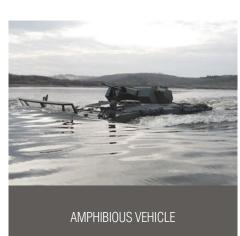






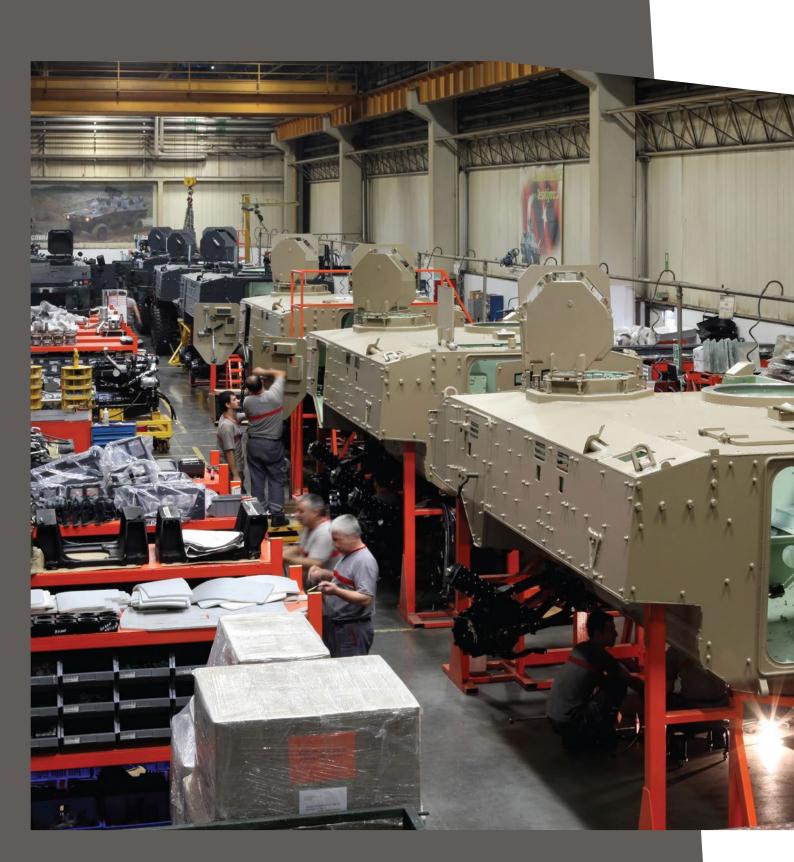








# SUPERIOR TACTICAL AND TECHNICAL CHARACTERISTICS



#### **Transportability**

- Integrated sling and tie-down provisions
- Transportability by rail and sea complying with international standards
- Air transportability

### Interoperable and Modular System Infrastructure

- Enhanced Graphical User Interface for the driver to control and monitor subsystems
- Built-in test and on board diagnostic capability with automatic malfunction detection
- Open Software Architecture with capability of expanding for future needs

#### **Integrated Logistic Support**

- Use of Commercially Off-The-Shelf components and subsystems
- Low life cycle cost, superior service life
- High reliability, High readiness for battle
- Ease of maintenance
- Training of operating and support personnel throughout the life cycle









#### **ARMA 8x8 TECHNICAL SPECIFICATIONS**

#### **WEIGHT AND DIMENSIONS**

Gross Vehicle Weight Up to 40000 kg

Maximum Crew Capacity

Lenath Ground Clearance

Turbo charged diesel engine

Up to 720 HP

TRANSMISSION Automatic

TRANSFER CASE Two speed with longitudinal lock AXLES Differentials with lock and geared wheel hubs

SUSPENSION Fully Independent suspension with hydro-pneumatic struts on each wheel

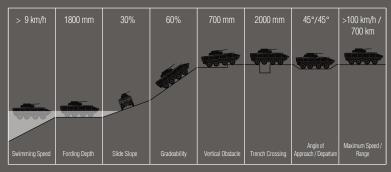
Fully independent suspension with telescopic type shock absorber & helical spring

Pneumatic service brakes with discs on each wheel, dual circuit with ABS Pneumatic independent park brake system **BRAKES** 

STEERING Power assisted, steerable 1st and 2nd axles **TYRES** 14.00 R20 or 16.00 R20 with run-flat system

**ELECTRICAL SYSTEM** 

28 V Alternator



All text and illustrations shown in this brochure are not binding and are provided for guidance only. OTOKAR reserves the right to introduce modifications in line with technical progress and change the product specifications without any prior notice.

#### STANDARD FEATURES

Radial Tyres with Run Flat Inserts Anti-Locking Brake System (ABS) Air Conditioning System/Heater

Driver Integrated Display
Blackout Lighting System, NATO Type Blackout System
Logging and Replay System (Video and Vehicle Data)

Embedded Diagnostics Jump Start Socket Fog Lights

#### OPTIONS

Amphibious Capability Self-Recovery Winch

Smoke Grenade Launchers Auxiliary Power Unit Situational Awareness System Commander Integrated Display Navigation System (GPS/INS)

All Wheel Steering System

#### **Otokar**

#### Otokar Otomotiv ve Savunma Sanayi A.Ş

**Head Office:** Aydınevler Mahallesi Saygı Caddesi No: 58 Maltepe 34854 İstanbul, Türkiye T: +90 216 489 29 50 F: +90 216 489 29 67 **Factory:** Atatürk Caddesi No: 6 Arifiye 54580 Sakarya, Türkiye T: +90 264 229 22 44 F: +90 264 229 22 42 www.otokar.com



