AR VAA 6x6 WHEELED ARMORED VEHICLE



Otokar

OUTSTANDING PERFORMANCE SUPERIOR 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 6x6 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 eight troops seated face to face, in addition to the driver and commander
- 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 Tire 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
- Ideal platform for anti-tank or anti-aircraft missile systems



COMMON PLATFORM FOR VARIOUS MISSIONS AND APPLICATIONS

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

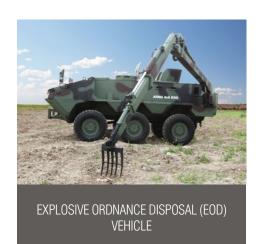
ARMA is available in various types of mission configurations such as Armored Personnel Carrier, Infantry Fighting Vehicle, Command Post, Ambulance, CBRN Reconnaissance, Driver Training, Reconnaissance, Mobile V/UHF Electronic Support System Vehicle, IED Dedection and Deactivation System Vehicle.









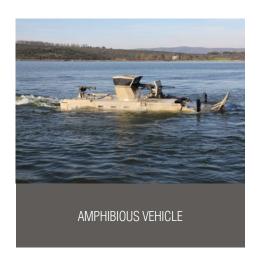






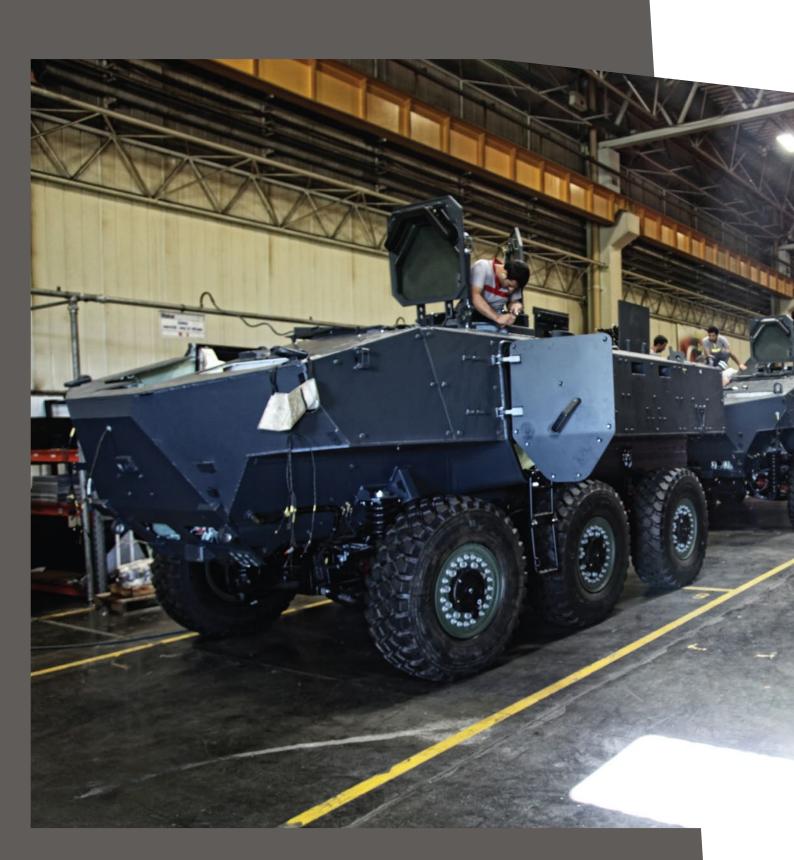






CBRN RECONNAISSANCE VEHICLE

SUPERIOR TACTICAL AND TECHNICAL CHARACTERISTICS



Transportability

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

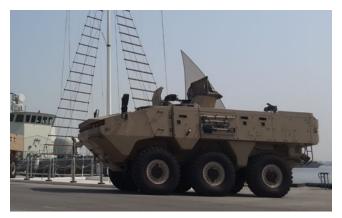
Interoperable and Modular System Infrastructure

- 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 6x6 TECHNICAL SPECIFICATIONS

WEIGHT AND DIMENSIONS

Gross Vehicle Weight

Maximum Crew Capacity Up to 10, including driver and commander

Length Height Over Hull

ENGINE Turbo charged diesel engine

TRANSMISSION

TRANSFER CASE Single speed with differential lock **AXLES** Differentials with lock and geared wheel hubs

SUSPENSION

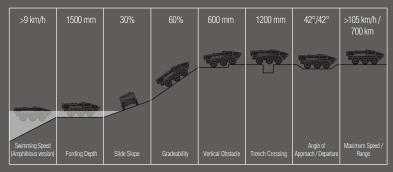
Fully independent suspension with telescopic type shock absorber & helical spring

BRAKES Pneumatic service brakes with discs on each wheel, dual circuit with ABS

STEERING **TYRES** 14.00 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

Central Tyre Inflation System Radial Tyres with Run Flat Inserts Anti-Locking Brake System (ABS)

5 Point Seat Belts Adjustable Seats for Driver and Commander

Floating Floor Side Door

Towing Eye

ARMATRONICS (Vehicle Electronics)

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

Automatic Fire Extinguishing and Explosion Suppression

Smoke Grenade Launchers Auxiliary Power Unit Situational Awareness System Navigation System (GPS/INS) Ramp Door with Emergency Exit

Barricade Remover

Otokar

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