



MILKOR

AIR | LAND | SEA | CYBER

MILKOR LAND SYSTEMS

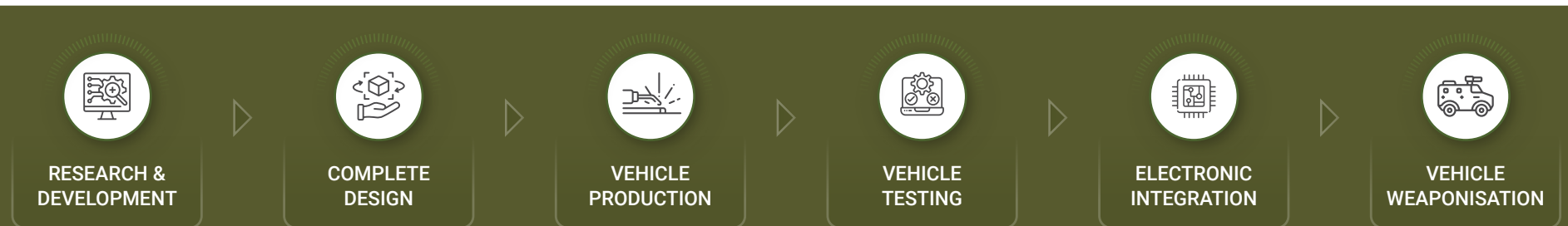
TABLE OF CONTENTS

- 03. **MILKOR VANGUARD APC**
- 04. **MILKOR VANGUARD VARIANTS**
- 05. **MILKOR BUSHCAT APC**
- 06. **MILKOR BUSHCAT VARIANTS**
- 07. **MILKOR FRONTIER 6X6 + 4X4 LONG RANGE PATROL VEHICLE**
- 08. **MILKOR FRONTIER 6X6 VARIANTS**
- 09. **MILKOR FRONTIER 4X4 VARIANTS**
- 10. **MILKOR ARMoured VEHICLE INTEGRATION**

ABOUT

Milkor's Land Defence Solutions Division, based in Pretoria, South Africa, has experienced substantial growth over the past decade, driven by our expertise in vehicle engineering and electronic integration. We specialise in the research, design, development, and manufacturing of military vehicles, offering standardised models like the Milkor Vanguard APC, Milkor BushCat APC, and Milkor Frontier (available in 4X4 and 6X6 option). Our team excels in customising vehicles to meet specific operational requirements, ensuring top performance and adaptability for diverse mission needs.

FULL-SPECTRUM VEHICLE ENGINEERING





LAND PLATFORMS

MILKOR VANGUARD

ARMoured PERSONNEL CARRIER



PERFORMANCE SPECIFICATIONS

Tare Mass	15 500 kg
GVM	19 500 kg
Power	336 kW (450 hp)
Power / Weight Ratio	22 kW/t (29 hp/t)
Seating Capacity	2 + 8
Blast Protection Level	STANAG 4A & 4B
Ballistic Protection Level	STANAG 3
Max Speed	100 km/h
Range	900 km
Fording Depth	900 mm
Gradient	60%
Approach Angle	31°
Departure Angle	45°



ARMOUR

Blast: STANAG 4A & 4B
Ballistic: STANAG 3



APPLICATIONS

- Armoured Personnel Carrier
- Field Ambulance
- Patrol Vehicle
- Riot Control Vehicle
- Mobile Command Unit

Specifications may vary depending on operational conditions.

MILKOR VANGUARD VARIANTS



MILKOR

Vanguard IFV
(Infantry Fighting Vehicle)



- **Precision Firepower:** Remote-controlled/manned weapon system for targeted engagements.
- **High Mobility:** Exceptional speed and off-road capability.
- **Enhanced Protection:** Superior blast and ballistic defence.



FORDING CAPABILITY
900 mm



MILKOR

Vanguard APC
(Armoured Personnel Carrier)



- **Crew Integration:** Designed with ample space for crew and gear, ensuring comfort and efficiency.
- **Robust Defence:** Gunports for secure in-cabin engagement.
- **Extended Reach:** Long operational range for extended missions.



VERTICAL STEP CLIMBING
500 mm



MILKOR

Vanguard IFV Patrol
(Border Patrol Vehicle)



- **Patrol-Optimised:** Designed for effective border security operations.
- **Durable Build:** Resilient against hostile environments.
- **Versatile Terrain:** Capable of operating in diverse and challenging terrains.



DITCH CROSSING
1 000 mm



MILKOR

Vanguard MFA
(Military Field Ambulance)



- **Medical Support:** Equipped for efficient medical evacuations.
- **Secure Transport:** High-level protection for medical teams and patients.
- **Operational Versatility:** Handles various terrains and conditions effectively.



GRADIENT
60%



MILKOR

Vanguard Command
(Command Vehicle)



- **Command Capabilities:** Advanced systems for effective field management and enhanced situational awareness.
- **Protected Workspace:** Strong defence for secure operations.
- **Adaptable Performance:** Reliable in both speed and challenging environments.



SIDE SLOPE
35%

MILKOR BUSHCAT

ARMoured PERSONNEL CARRIER



ARMOUR

Blast: STANAG 3A & 3B
Ballistic: B7/STANAG 2



APPLICATIONS

- Armoured Personnel Carrier
- Field Ambulance
- Patrol Vehicle
- Riot Control Vehicle
- Mobile Command Unit



PERFORMANCE SPECIFICATIONS

Tare Mass	10 000 kg
GVM	12 000 kg
Power	208 kW (279 hp)
Power / Weight Ratio	20 kW/t (27 hp/t)
Seating Capacity	2 + 8
Blast Protection Level	STANAG 3A & 3B
Ballistic Protection Level	B7/STANAG 2
Max Speed	110 km/h
Range	1 000 km
Fording Depth	700 mm
Gradient	70%
Approach Angle	48°
Departure Angle	33°

Specifications may vary depending on operational conditions.

MILKOR BUSHCAT VARIANTS



MILKOR

BushCat IFV
(Infantry Fighting Vehicle)



- **Precision Firepower:** Remote-controlled/manned weapon system for targeted engagements.
- **High Mobility:** Exceptional speed and off-road capability.
- **Enhanced Protection:** Superior blast and ballistic defence.



MILKOR

BushCat APC
(Armoured Personnel Carrier)



- **Crew Integration:** Designed with ample space for crew and gear, ensuring comfort and efficiency.
- **Robust Defence:** Gunports for secure in-cabin engagement.
- **Extended Reach:** Long operational range for extended missions.



MILKOR

BushCat IFV Patrol
(Border Patrol Vehicle)



- **Patrol-Optimised:** Designed for effective border security operations.
- **Durable Build:** Resilient against hostile environments.
- **Versatile Terrain:** Capable of operating in diverse and challenging terrains.



MILKOR

BushCat MFA
(Military Field Ambulance)



- **Medical Support:** Equipped for efficient medical evacuations.
- **Secure Transport:** High-level protection for medical teams and patients.
- **Operational Versatility:** Handles various terrains and conditions effectively.



MILKOR

BushCat Command
(Command Vehicle)



- **Command Capabilities:** Advanced systems for effective field management and enhanced situational awareness.
- **Protected Workspace:** Strong defence for secure operations.
- **Adaptable Performance:** Reliable in both speed and challenging environments.



FORDING CAPABILITY
700 mm



VERTICAL STEP CLIMBING
500 mm



DITCH CROSSING
1 000 mm



GRADIENT
70%



SIDE SLOPE
40%

MILKOR FRONTIER

LONG RANGE PATROL VEHICLE



6X6



4X4



PERFORMANCE SPECIFICATIONS

Tare Mass	4 500 kg ^(6x6) 3 500 kg ^(4x4)
GVM	6 000 kg ^(6x6) 4 500 kg ^(4x4)
Power	180 kW (241 hp)
Power / Weight Ratio	30 kW/t (40 hp/t) ^(6x6) 40 kW/t (54 hp/t) ^(4x4)
Seating Capacity	4
Blast Protection Level	STANAG 1 (Add-On)
Ballistic Protection Level	B6 (Standard) STANAG 1 (Add-On)
Max Speed	120 km/h ^(6x6) 140 km/h ^(4x4)
Range (On-road)	700 km ^(6x6) 800 km ^(4x4)
Range (Off-road)	500 km ^(6x6) 600 km ^(4x4)
Fording Depth	700 mm
Gradient	70%
Approach Angle	35°
Departure Angle	33°

Specifications may vary depending on operational conditions.

MILKOR 6X6 VARIANTS



MILKOR

Frontier 6x6 (Troop Carrier)

- Ensuring safe personnel transport with robust protection across challenging terrains.



MILKOR

Frontier 6x6 LRPV (Long Range Patrol Vehicle)

- Engineered for extended operations and rugged terrain navigation.



MILKOR

Frontier 6x6 UV (Utility Vehicle)

- Versatile platform for various support roles, offering robust off-road performance.



MILKOR

Frontier 6x6 VMWS (Vehicle Mounted Weapon System)

- Equipped for heavy firepower deployment with enhanced stability and protection.



FORDING CAPABILITY
700 mm



VERTICAL STEP CLIMBING
300 mm



DITCH CROSSING
850 mm



GRADIENT
70%



SIDE SLOPE
50%

MILKOR 4x4 VARIANTS



MILKOR

Frontier 4x4 APC
(Armoured Personnel Carrier)

- Compact and agile, offering top-tier protection and mobility for personnel transport.



MILKOR

Frontier 4x4 SOV
(Special Operations Vehicle)

- Lightweight and manoeuvrable, tailored for rapid deployment and high-risk operations.



MILKOR

Frontier 4x4 UV
(Utility Vehicle)

- A reliable workhorse for diverse tasks, combining flexibility with off-road endurance.



MILKOR

Frontier 4x4 RCWS
(Remote Control Weapon Station)

- Advanced firepower and remote operation capability in a compact, mobile platform.



FORDING CAPABILITY
700 mm



VERTICAL STEP CLIMBING
350 mm



DITCH CROSSING
800 mm



GRADIENT
70%



SIDE SLOPE
50%

MILKOR VEHICLE INTEGRATION



COMPREHENSIVE SYSTEMS FOR ARMoured VEHICLE APPLICATIONS

COMBAT OPERATIONS



- **Advanced Fire Control System:** Precision targeting for primary weapons.
- **Manned & Remote Controlled Weapons Systems:** Flexible firepower with enhanced protection.
- **Smoke Grenades:** To obscure movement and provide cover.
- **Ballistic Up-armouring:** Enhanced armour solutions for increased survivability.

C4ISR



- **BMS & Blue Force Tracking:** Real-time situational awareness and friendly force tracking.
- **Communication Suites:** Satellite, radio, secure data links for coordination.
- **Computers, Servers & Mobile Command:** Data processing and operational management.
- **Radar & EO/IR Systems:** Surveillance for detecting threats.
- **Acoustic Detection:** Identifies sound sources like gunfire.

ELECTRONIC WARFARE



- **Signal Intelligence (SIGINT) Systems:** Intercept and analyse enemy signals.
- **FPV Drone and IED Jamming:** Electronic countermeasures to protect against FPV drone attacks and remotely triggered IEDs.
- **Communication Jammers:** Block enemy communications in a specific area.
- **Radar Jammers:** Confuse or block enemy radar systems.

MEDICAL & EVAC



- **Ambulance Conversion:** Modifying vehicles for medical support, evacuation, and patient care.
- **Medical Equipment:** Includes stretchers, defibrillators, oxygen tanks, and critical supplies.
- **Life Support Systems:** Ventilators and patient monitoring devices.
- **Climate Control:** Ensures stable conditions for patient care.



+971 2 552 7831 | info@milkor.ae | www.milkor.ae

Tawazun Industrial Park, Abu Dhabi United Arab Emirates, P.O Box 147011