The iKlwa* is a military fighting vehicle developed from the battle-proven Ratel Infantry Combat Vehicle.

This extremely cost-effective transformation, incorporates upgrades to existing elements combined with modern technology insertion. It is not merely a make-over but a major improvement on the Ratel, that increases the vehicle’s capacity in almost every operational aspect. Additional, new design features make iKlwa the perfect support weapons and logistics platform.

For existing Ratel users, the iKlwa conversion offers a class-leading, modern fighting vehicle, without the costly need to change training packages doctrine or logistics.

The modular roof system, high internal volume and variable payload capacity makes it suitable for Armoured Personnel Carriers (APC), Infantry Fighting Vehicles (IFV) and gun platform roles. For large calibre artillery systems, a hydraulic outrigger system can be provided.

The distinctive Ratel nose with its near-upright driver’s windscreen can be retained or replaced with a sloping section with a driver’s hatch and episcopes.

* Named after the legendary short stabbing spear invented for his soldiers by Zulu King Shaka, the iKlwa incorporates the best battle-proven elements of the Ratel with state-of-the-art technology and design expertise to produce a unique wheeled defence and fighting vehicle for the 21st century.

### Dimensions
- Length (to rear of spare wheel): 7,100 mm
- Width: 2,520 mm
- Height (to top of roof): 2,400 mm
- Wheelbase: 2,800/1,400 mm
- Ground clearance (under transfer case): 455 mm
- Angle of approach: 42°
- Angle of departure: 48°
- Hump radius 1-2 axle: 1,655 mm

### Mass
- Gross Vehicle Mass (GVM): 23,500 kg
- Tare: 14,400 kg

### Seating
- Qty: *Driver + 15 APC Variant

### Performance
- Maximum speed (road): >110 km/h
- Gradeability: 60%
- Turning circle (kerb to kerb): 13.5 m

### Protection Levels
- Ballistic protection: STANAG 4569A level 1 7.62 x 51 mm NATO ball 5.56 x 45 mm NATO ball @ 30 mm
- Mine protection: STANAG 4569B 2A STANAG 4569B 3A and 3B with additional packages

### Engine
- Make: Cummins ISL turbocharged intercooled
- Maximum power (DIN): 336 kW @ 2,200 rpm
- Maximum torque (DIN): 1,630 Nm @ 1,600 rpm

### Transmission
- Make: RENK HSV106
- Type: 6-speed automatic

### Steering System
- Type: Hydraulically assisted

### Axles
- Front axle: MAN VA7/09 Beam axle with selectable diff lock
- Rear axles: MAN H08 Beam axle with selectable diff lock

### Suspension
- Springs: Progressive rate coil springs, longitudinal arms and wishbones
- Shock absorbers: Double-acting hydraulic

### Brakes
- Service brake: Dual circuit hydraulic/pneumatic
- Parking brake: Spring-actuated on rear axles

### Road Wheels and Tyres (standard)
- Rim type: 10.0 x 20" split rim
- Tyre size: Michelin 16.00R20XZL or 14.00R20XZL