

# BELREX PROTECTED VEHICLE

MOBILE . AGILE . PROTECTED



 **ST Engineering**  
Land Systems

 **ST Engineering**

# BELREX Protected Vehicle

The BELREX Protected Vehicle is a multi-mission, multi-role family of platforms customised for urban combat missions. A rigid V-shaped hull enhances crew survivability against ballistic, mine and IED threats. High mobility, adaptability, heavy payload and network capabilities enable Infantry Forces to bring the entire combat resources to sustain fights in non-linear battle spaces.



## VEHICLE PLATFORM



Cabin Type: Short  
Cabin Length: 2.5 m



Cabin Type: Medium  
Cabin Length: 3.6 m



Cabin Type: Long  
Cabin Length: 4.6 m

### TECHNICAL SPECIFICATIONS

<b>Physical Dimensions</b>	Gross Weight	20,000 kg
	Payload	Up to 4,000 kg
	Length	Up to 7.5 m
	Width	Up to 2.8 m
	Height	Up to 3.5 m (Up to 2.8m without sub-systems)
<b>Protection</b>	K.E. Protection Mine Protection IED Protection NBC Protection	Configurable to customer requirement
<b>Mobility Systems</b>	Engine	Cummins ISBe2-300
	Power Output	295 hp
	Gearbox	Allison 3000 SP
	Gears	5 Forward, 1 Reverse
	Suspension	Parabolic Leaf Spring Suspension with Shock Absorbers
	Brake System	Dual circuit pneumatic with ABS
<b>Mobility Performance</b>	Max Road Speed	At least 110 km/h
	Road Range	At least 650 km
	Approach Angle	Up to 35 deg
	Departure Angle	Up to 35 deg
	Gradient	Up to 60%
	Side Slope	Up to 30%
	Vertical Obstacle	Up to 0.4 m
	Trench Crossing	Up to 0.9 m
Fording Depth	Up to 0.9 m	

## TRAILER

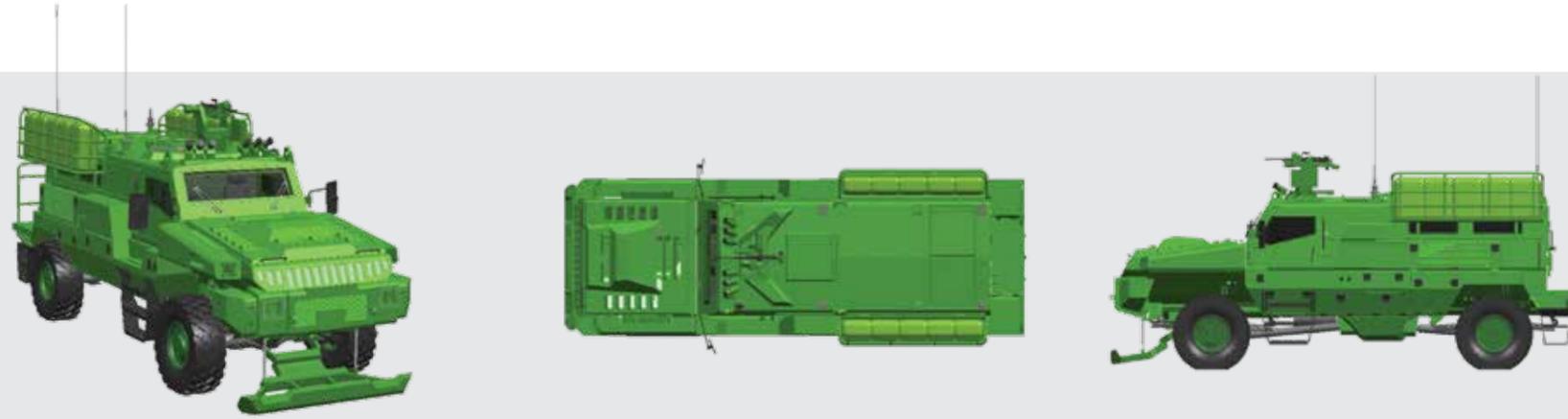
### TECHNICAL SPECIFICATIONS

Gross Trailer Weight	Up to 8,000 kg
Payload Capacity	Up to 4,100 kg
Length	Up to 6 m
Width	Up to 2.5 m
Height	Up to 1.2 m



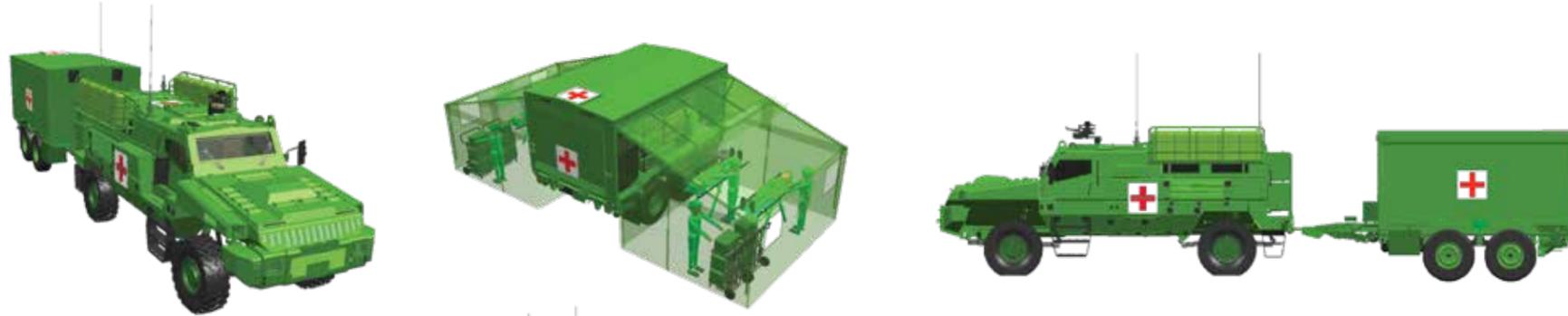
# VARIANTS

## Engineer



- Front Push Barrier provides obstacle clearing capability
- Trailer with Powered Tailgate System and stowage space for field equipment

## Medical



- Trailer with Powered Tailgate System for loading/unloading of equipment
- Foldable Shelter System converts the trailer to a Field Medical Station
- Field Medical Trolley
- On-Board Trailer Generators provide the Field Medical Station with illumination and ventilation

## Maintenance



- Hydraulic crane
- Power pack Trailer – To transport spare power pack, assorted powered tools and generator/air compressor
- Spares Trailer – Converts trailer to field workshop with foldable shelter system, generator/air compressor and spare wheel holder

## Logistics



- Powered Tailgate System allows rapid loading/unloading of material with ease
- Customised Stowage Racks and Cargo Tie Down offers flexibility in managing material loading plans thus catering to various operational needs.

## Recce



- Trailer with Power Tailgate System can launch and recover motorbikes out on reconnaissance missions
- Transportation of motor bikes or bulky items

# VARIANTS

## Security



- Remote Machine Gun provides suppressive fire power
- Smoke grenades can be activated to create smoke cover against enemy ambush
- Equipped with a rear step to allow for quick troop deployment for counter-offensive movements

## Signal



- Pneumatic Mast provides crucial war time communication to fighting forces at the frontline
- Auxiliary Power Unit can provide power to sustain long hours of silent operations

## Fuel



- Supplying vital fuel to mechanised forces on the move
- Diesel tank with self-seal coating to prevent fuel loss from damage sustained during attacks
- Fuel Dispensing Unit can simultaneously refuel 2 vehicles at a time

## Ammo & Mortar



- Supplying of 120mm Ammo to Mortar variant to aid rapid deployment of Mortar vehicle
- Powered Tailgate System allows rapid loading/unloading of material with ease
- Compatible with self-powered 120mm Super Rapid Advanced Mortar System (SRAMS)
- Built-in stabilisers for high sustained rate firing
- Provides rapid deployment and fire support to troops on the ground