



# COMPANY BROCHURE

**Uncompromised Purposely Built Mining Machines**

Original Equipment Manufacturers **(OEM)**

# PURPOSELY BUILT SPECIALISED VEHICLES

“URI manufactures, maintains uncompromising custom and specially built vehicles for all industries”



## URI VEHICLE RANGE APPLICATION

### 1.1 OPEN CAST & UNDERGROUND MINING

Site mobility and light transport.

### 1.2 AGRICULTURE

Farming, Touring, Inspection and light transport.

### 1.3 SECURITY, POLICING, MILITARY & FIRE FIGHTING

Patrolling, inspection, surveillance and rapid response.

### 1.4 GAME VIEWING & RECREATION

Game patrolling, game viewing and light transport

## ABOUT URI-SA

URI was purchased as a intellectual property, SABS approved Roadworthy Vehicle by André Squire (Father) and Raymond Squire (Son) in 2015 from its original holding company based in the UK.

The vehicle originates from it's Namibian born farm in Witvlei and the first models were designed by Mr Evert Smith. The vehicle went on to achieve many awards. Since our new South African ownership the production line had been set up for fast pace effective manufacturing.

We are car people for the “African Bushveld”.

## OUR OBJECTIVE

Our goal is to provide basic yet robust and specialized custom built vehicles at the best price, a product that by far will exceed and meet the needs of our broad based markets. Its to increase the quality, especially in the significance of all our vehicle ranges, profitability, availability, efficiency performance in the production sector for our clients.

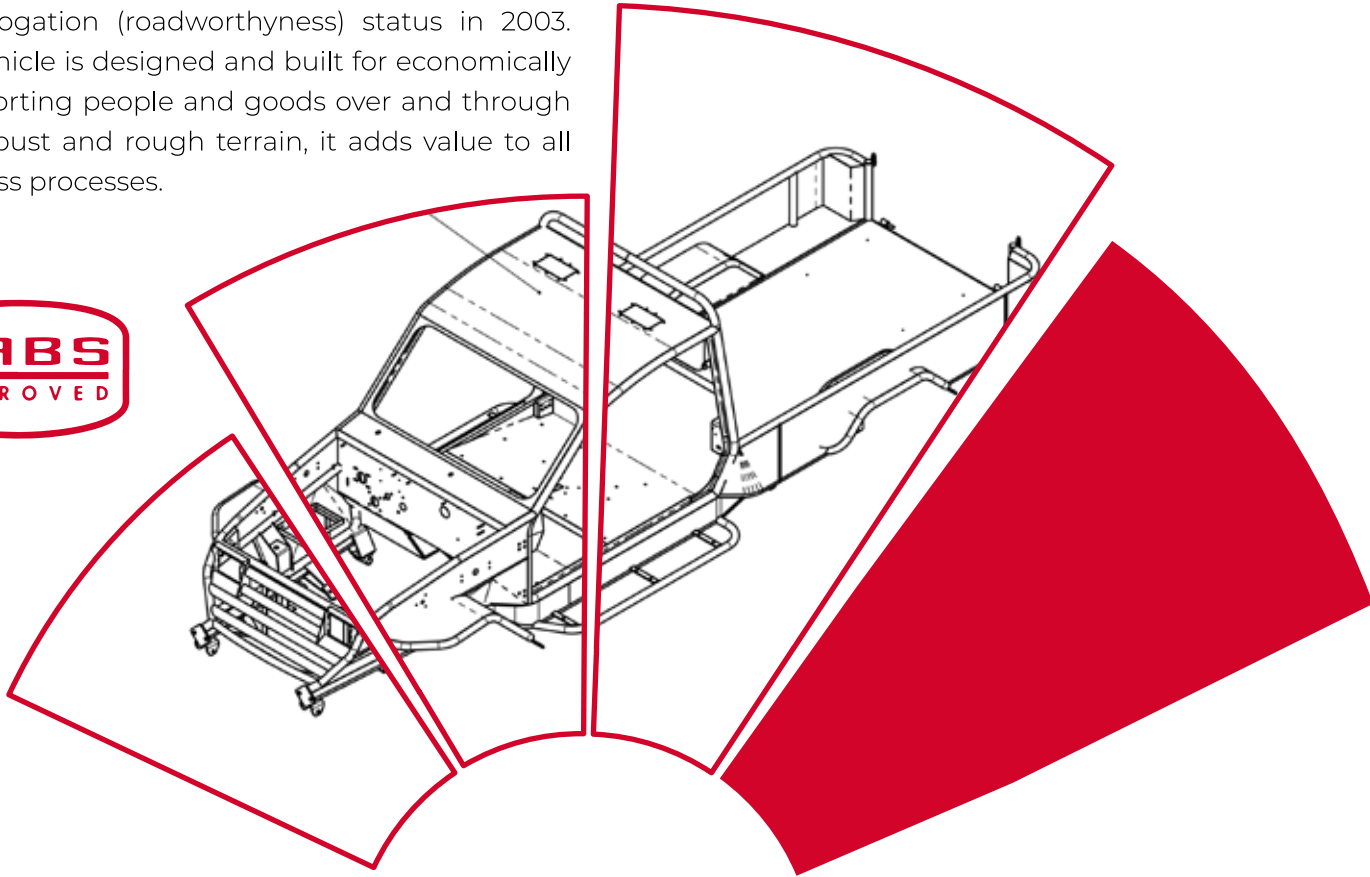
# TECHNICAL FEATURES OF THE URI

• SIMPLICITY IN DESIGN

• ROBUST YET VERSATILE

• THICK HARD SHELL BODY

The URI is a diverse vehicle that achieved S.A.B.S Homologation (roadworthiness) status in 2003. The vehicle is designed and built for economically transporting people and goods over and through any robust and rough terrain, it adds value to all business processes.



Built from thick-walled (2 - 3mm) steel tubing and clad with (1.6 - 6mm) steel metal sheet, the unitary-type framework offers great strength and durability, while minimizing overall mass to 1690 kg. Placing heavy driving components towards the centre URI achieves an optimal even mass distribution which results in less rolling resistance and improved 4 x 4 / 2 x 4 wheeled traction, and explains the URI's excellent well balanced performance over rubble and other loose surfaces.

The URI's off-road performance is further enhanced by a long-travel suspension in both front and Rear, providing a high ground clearance, agility whilst driving in comfort.

The URI uses guaranteed & proven components, specifically those of recent pick-up models. These were selected not only for their legendary durability and reliability, but also for the fact that spare parts are easily available throughout the Southern African region.

In 2018 our new mine vehicle was successfully certified fit for mining and all fail safe braking, anti-collision, fire suppression systems. We comply with all regularity SANS mining regulations and rops & fops tested at Denel vehicle systems facility.

# URI DESSERT RUNNER RECREATIONAL VEHICLES

(REGISTERED ROADWORTHY VEHICLE) SABS APPROVED



## SPECIFICATIONS

The hardcore 4x4 and 4x2 Desert Runner is designed to cope with the worst terrains found in Africa. It is made from seamless steel tubing 3 mm thick, clad with 1.6 mm sheet metal to create a very strong framework. The tailgate and doors can be removed completely for loading awkward items. Zinc primers and industrial top coats provide thorough rust protection; industrial polyurethane is used to treat the whole underbody, loading bay, engine compartment, and interior to preserve its long lasting, never ending strength.

Utilizing an array of different vehicle drive lines:

- **Toyota Land Cruiser**
- **Toyota Hilux D4D / Gd6**
- **Isuzu KB / D-tech**
- **Nissan**
- **Ford**

# NEW URIEV "VOLT" 125 / 400 ELECTRICAL VEHICLES

(1,5 - 2,2 T MODELS)



## SPECIFICATIONS

Build based on a Toyota Land Cruiser LDV series 79,75,FJ40 the EV vehicle utilizes the legendary Land Cruiser Robust, versatile and most importantly strong Suspension added with the URI 1.6mm all steel body line and topped off with a Tesla 88kva Motor as drive Core supported by a Tesla powered 300 000 mile factory guaranteed Lithium Battery it will most certainly Stand out in the crowd. Plug / off grid solar to plug charging with integrated built in charger from 5kw/h - 7kw for a 1.3h full charge rate. This vehicle is designed for ultimate conditions to apply as personal commercial use or within a Mining, Military, Policing, Farming or Agricultural use. It is the Future...

### BODY LINE (DIMENSIONS):

- Overall Length: 4 850mm
- Overall Width: 1 680mm
- Overall Height: 1 850mm

### SUSPENSION:

- Front: Other - Rigid Axle (Coil)
- Rear: Other - Rigid Axle (Leaf)
- Stabilizer: Front Only

### POWER & DRIVE TRAIN (TESLA BASED):

- 88kw motor 230nm torque from 0rpm
- 5kw on board charging AC to dc
- Electric Hydraulic pump
- Delithium BMS system
- 55kwh battery pack 125v
- 1 dc to dc converter 50amp 12v output
- Range 100 to 180km depending on terrain
- Regen up to 40% set point on down hill assent.

# VEHICLE RANGE

## MINING VEHICLES



The URI 1.4 meter high single cab mine vehicle is available in 2 seats with a removable canopy and has the capability to transport equipment and can be modified with additional seats and safety restraints to transport up to 6 people in the back safely and securely.

- **1.4 Single / Double Cab / 6 Seater**
- **1.8 Single / Double Cab / 6 Seater**
- **1.4 & 1.8 Ambulance**

## POLICING VEHICLES



One of the most important and dangerous jobs is our law and enforcement, whom needs reliable and robust vehicles for rugged terrain, riots and transporting of people and K9's. The URI policing and military vehicle is purposely built for those situations where they are required to react. The Uri military and policing 4x4 or 2x4 vehicle is available in a single or double cab with the option for modifications of your required specifications to meet your expectation.

# GAME VIEWING **VEHICLES**



The excitement all starts when your occupants go for an open vehicle safari. Why not using our URI game viewer? It has the capability to take you straight to your once in a life time experience, going through rugged terrains giving your occupants the opportunity to experience the wild life from up close and personal and allowing them to have the opportunity for breath taking photos. The URI game viewer is a robust vehicle purposely built for those rugged terrains with 4x4 or 2x4 capabilities. It has the capacity to transport 9 to 10 occupants comfortably depending if you have a game spotter to ensure that you give that extra assurity that your occupants will get what they need to all satisfactory for their unique experience.

# AGRICULTURE **VEHICLES**



The ideal pick-up for farming should last for many years and be easy to maintain and repair. How would you choose a vehicle, which will suit your farming activities to meet your demand, with a no-nonsense vehicle for your rugged terrains? The URI Agriculture vehicle range is out casting all other pick-ups with its robust and durable monocoque frame. Built from thick-walled (3-mm) steel tubing and clad with 1.6-mm sheet metal, the framework offers great strength and durability, while minimising overall mass to 1690 kg. Placing heavy driving components towards the back of the Uri achieves an optimal mass distribution, which results in less rolling resistance and improved traction, and explains the Uri's excellent performance over rubble and other loose surfaces.

# FIRE FIGHTING **VEHICLES**



One of the most important and dangerous jobs is our law and enforcement, whom needs reliable and robust vehicles for rugged terrain, riots and transporting of people and K9's. The URI policing and military vehicle is purposely built for those situations where they are required to react. The Uri military and policing 4x4 or 2x4 vehicle is available in a single or double cab with the option for modifications of your required specifications to meet your expectation.

# MILITARY **VEHICLES**



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# CERTIFICATE OF ROPS AND FOPS TEST

## A.1 MACHINE(S)

Type: Mine Vehicle - Single Cab Pick Up with Integrated Canopy

Manufacturer: URI.

Model: URI Mine Vehicle

Product identification number: -

Machine frame part number: CDE - 01 - MV1.4 - 001

## A.2 ROPS AND FOPS

Manufacturer: URI.

Model: URI Mine Vehicle

Serial number (if any):

ROPS and FOPS part number: CDE - 01 - MV1.4 - 001

## A.3 INFORMATION SUPPLIED BY MANUFACTURER

Maximum recommended mass (GVM) = 2500kg

Location of DLV:

The location of the DLV in the Cab area is to be such that the clearance between the highest

point of the DLV and the roof structure is minimum 100mm.

The location of the DLV in the Canopy area is to be such that the clearance between any point

of the DLV (excluding the legs) and the ROPS/FOPS structure is minimum 150mm.

## A.4 FOPS CRITERIA - INFORMATION SUPPLIED BY TEST FACILITY

### A.4.1 FOPS Test object description

Mass: 389 kg

Drop height: 3m

Test object dimensions:

Refer to Figure 2 of SANS3449:2008 with dimensions as follows (approximate):

d2 = 255

d3 = 203

l3 = 720

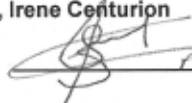
Taper height = 75

The impact location for both the Canopy and the Cab was similar to that described in Figure 3 of SANS3449:2008.

Date of test: July 2018

Name and address of the test facility: Denel Dynamics, Irene Centurion

Tested by: W Vledder

 W VLEDDER.

Approved by: J Alford (Pr.Eng 20150417)



DATE OF REPORT: 08/08/2018



# URI

## TECHNICAL SPECIFICATIONS

COMPONENTS	UNITS	DESCRIPTION & CAPACITY
<b>2 400 CC DIESEL 4X4 URI</b>		
Type	cm <sup>3</sup>	2L 4 Cylinder Inline OHV 2446 cm <sup>3</sup>
Bore & Stroke	mm	92 x 92 mm
Idling Speed	r/min	700 r/min
Maximum Power	KW @ r/min	55 KW @ 4000 r/min
Maximum Torque	Nm @ r/min	156 Nm @ 2200 r/min
Compression Ratio		22,3 : 1
Oil Pressure	KPa @ r/min	245 / 490 KPa @ 3000 r/min
Firing Order		1, 3, 4, 2
No. 1 at		Front
<b>3000 CC DIESEL 4X4 URI</b>		
Type	cm <sup>3</sup>	5L 4 Cylinder SOHC 2986 cm <sup>3</sup>
Bore & Stroke	mm	99,5 x 96 mm
Idling Speed	r/min	700 r/min
Maximum Power	KW @ r/min	67 KW @ 4000 r/min
Maximum Torque	Nm @ r/min	192 Nm @ 2400 r/min
Compression Ratio		23,3 : 1
Oil Pressure	KPa @ r/min	245 / 490 KPa @ 3000 r/min
Firing Order		1, 3, 4, 2
No. 1 at		Front
<b>2 200 CC PETROL 4X4 URI</b>		
Type	cm <sup>3</sup>	4Y 4 Cylinder Inline OHV 2237 cm <sup>3</sup>
Bore & Stroke	mm	91 x 86 mm
Idling Speed	r/min	700 r/min
Maximum Power	KW @ r/min	70 KW @ 4600 r/min
Maximum Torque	Nm @ r/min	181 Nm @ 3000 r/min
Compression Ratio		8,8 : 1
Oil Pressure	KPa @ r/min	490 KPa @ 3000 r/min
Firing Order		1, 3, 4, 2
No. 1 at		Front
<b>TRANSMISSION</b>		
Clutch Type & Diameter	mm	Single dry plate 224 mm
Gearbox Type		5 Speed manual with transfer gearbox
Rear Axle Type		Semi - floating
Final Drive Type		Hypoid
<b>SUSPENSION</b>		
Front		Ridged axle, semi - elliptic long - travel leaf springs & double acting shocks
Rear		Ridged axle, semi - elliptic long - travel leaf springs & double acting shocks
Front Axle Ratio	4.875: 1	
Rear Axle Ratio	4.875: 1	

STEERING	UNITS	DESCRIPTION
Type		Recirculating ball
Turning Circle	m	15.6m
TYRES & WHEELS		
Rim Size and Type	inch	15 x 7" White spoke
Tyre Size		700 x 15, 6 - ply or 215 R15 or 245 / 75 R15
BRAKES		
Front Type and Diameter	mm	Discs, 302 mm
Rear Type and Diameter	mm	Drums, 254 mm
Servo Assisted		Yes
CAPACITIES		
Engine Sump (incl. Filter)	liter	5.8 L
Gearbox	liter	3.9 L
Front Axle	liter	2.3 L
Rear Axle	liter	2.2 L
Cooling Sytem	liter	9.8 L
Fuel Tank	liter	68 L
DIMENSIONS		
Overall Length	mm	4850 mm
Overall Width	mm	1680 mm
Overall Height	mm	1850 mm
Loadbay Internal Length	mm	1980 mm
Loadbay Internal Width	mm	1490 mm
Loadbay Internal Height	mm	400 mm
Frame Diameter & Thickness	mm	42 x 3.2 mm Seamless Round Tubing
Body Panel Thickness	mm	1.6 mm Mild Steel
Loadbay Thickness	mm	3 mm Mild Steel
Kerb Mass	kg	1690 kg
G.V.M	kg	2490 kg
Carrying Capacity	kg	800 kg
Approach Angle	°	62 °
Depature Angle	°	41 °
Ground Clearance: Engine	mm	400 mm
Ground Clearance Axles	mm	280 mm
Wheelbase	mm	3150 mm
Track Front	mm	1420 mm
Track Rear	mm	1400 mm



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