

## COLOSSUS

MULTI-PURPOSE FIRE FIGHTING ROBOT  
3800 L/MIN - 1003 GPM



## MISSIONS



FIRE  
EXTINGUISHMENT



CBRN  
DECONTAMINATION



RECONNAISSANCE



CASUALTY  
EVACUATION



EQUIPMENT  
TRANSPORT



OBSTACLE  
CLEARANCE



RESPIRATORY  
SUPPORT



SMOKE  
EXTRACTION



BEST MODULAR ROBOTIC TOOL  
TO SUPPORT FIREFIGHTERS



FIELD-PROVEN ROBOT



NON-STANDARD CROSSINGS



RESISTANCE TO  
VERY HIGH TEMPERATURES



TOOL-FREE INTERCHANGEABLE  
MISSION MODULES IN LESS  
THAN 30 SECONDS



12-HOUR OPERATIONAL LIFESPAN



FAST DEPLOYMENT  
AND LOW MAINTENANCE



## COLOSSUS

3 800 L/MIN – 1 003 GPM

MOTORISED  
WATER INLET VALVE

ZOOM CAMERA  
THERMAL CAMERA



X6 BATTERIES UN38  
INTERCHANGEABLE BATTERIES

AEROSPACE GRADE  
ALUMINUM CHASSIS

PULLING CAPACITY:  
650 KG - 1 430 LBS

GPS, TEMPERATURE  
SENSORS &  
INTEGRATED  
INERTIAL UNIT

WATER / FOAM  
MONITOR

NON-STANDARD  
CROSSINGS

PAYLOAD:  
500 KG - 1 102 LBS

HEIGHT:  
76 CM - 30"

LENGTH:  
160 CM - 63"

WIDTH:  
78 CM - 31"



WEIGHT: 525 KG - 1 157 LBS



SPEED: 3.5 KM/H - 2.2 MPH



OBSTACLE CLEARANCE: UP TO 30 CM - 12"



WATERPROOF & DUSTPROOF: IP67 LEVEL



MOTORIZATION: ELECTRIC ENGINES  
2 X 4000 W



LITHIUM-ION: x6 BATTERIES  
SHARK ENERGY UN38 INTERCHANGEABLE BATTERIES



SLOPE: UP TO 40° - SIDE SLOPE: UP TO 30°



OPERATIONAL LIFESPAN: 12 HOURS

## 20+ COUNTRIES WORLDWIDE



# 1 ROBOT, 8 MISSION MODULES



WATER / FOAM MONITOR



VIDEO TURRET 180°



MOTORISED BULL BAR



BREATHING AIR SYSTEM



STRETCHER FOR WOUNDED PEOPLE



EQUIPMENT TRANSPORTATION BASKET



LARGE-FLOW P.P.V.



ARM (LIFT CAPACITY: 70 KG / 154 LBS)

## ADDITIONAL OPTIONS



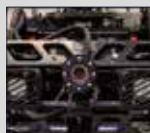
- ▶ SENSOR TRAY:  
CBRN, GAS, ETC.



- ▶ MESH RELAY FOR LONG  
DISTANCE TRANSMISSIONS



- ▶ EXTRA  
BATTERIES



- ▶ FRONT | BACK  
CONTROL CAMERAS



### SHARK STATION REMOTE CONTROL WITH VIDEO FEEDBACK

- VIDEO TURRET CONTROL: ZOOM & THERMAL CAMERAS
  - TELEMETRY FEEDBACK: TEMPERATURE, TRANSMISSION QUALITY, ETC.
  - TRANSMISSION DISTANCE:  
ON AVERAGE 1 000 M - 3 280 FT LOS WITH MESH RELAY
  - DRIVING ASSISTANCE  
THANKS TO VIRTUAL LINES
  - REMOTE CONTROL OF THE ROBOT  
WITH DUAL FREQUENCY (2.4 GHZ)
  - GPS INTEGRATED
  - PITCH & ROLL
  - ALLOWS TO CONTROL THE TABLET WITH GLOVES
  - VIDEO AND PHOTO RECORDING,  
WITH THE POSSIBILITY OF PLAYBACK ON THE TABLET
  - IN-HOUSE MASTERED SOFTWARE:  
CONTINUOUS INTEGRATION OF NEW IMPROVEMENTS AND DEVELOPMENT OF AI BRICKS
- + SHARK STREAMER (OPTION)







#### CONTACTS



## SHARK SPIKE

ROBOTIC VEHICLE INTERCEPTION SYSTEM

-  POLICE, BORDER PATROL, DOD AND PROTECTION OF SENSITIVE SITES
-  FAST DEPLOYMENT AND FOLDING
-  CAPABLE OF STOPPING ANY TYPE OF VEHICLE IN SECONDS
-  CO-DESIGNED WITH END USERS
-  LOWEST OPERATIONAL COST
-  EASY MAINTENANCE
-  REMOTELY-CONTROLLED MOBILE SOLUTION

## MISSIONS



CREATING A ROADBLOCK WITH A MOBILE SYSTEM



POSSIBILITY OF A CONCEALED INSTALLATION



STOPPING VEHICLES UP TO 130 KM/H - 80 MPH



PROTECTING PEOPLE AROUND AND IN THE VEHICLE



SPECIFICATIONS

SHARK SPIKE



WEIGHT: 42 KG - 95 LBS



DIMENSIONS (L X W X H)  
75 X 52 X 18 CM - 30 X 20 X 7"



DEPLOYMENT: 2.5 SECONDS



FOLDING: 3 SECONDS



OPERATING TEMPERATURE RANGE  
-20°C TO 60°C / -4°F TO 140°F



QUICK BATTERY REPLACEMENT  
IN LESS THAN 1 MINUTE



LIFESPAN: 400 RETURN CYCLES  
WITH ONE BATTERY



STANDBY MODE: 10 DAYS



ADJUSTABLE DEPLOYMENT LENGTH  
FROM 2 TO 4.2 M - FROM 6.5 TO 13.8 FT



CONTROL DISTANCE: 300 M - 328 YD LOS



CHARGING TIME: 2H45





SHARK SPIKE HIDDEN UNDER A VEHICLE

EQUIPMENT INCLUDED: **#SSP0** STANDARD SHARK SPIKE



**X100** MOUNTED  
PUNCTURE SPIKES  
+ 16 SPARE SPIKES



**x1** BATTERY



**x1** REMOTE  
CONTROL WITH  
PUSH BUTTON  
DISTANCE: 300 M - 1000 FT



**x1** TOOL FOR  
CHANGING  
PUNCTURE SPIKES



**x1** BATTERY  
CHARGER



**x1** BUZZER  
100 DBA

ADDITIONAL OPTIONS



**#SSP1**  
SPARE SPIKES  
SET OF 100 SPARE SPIKES



**#SSP2**  
SPARE BATTERY



**#SSP3**  
WIRED PEDAL  
2 M - 6.5 FT



**#SSP4**  
SPARE TOOL



**#SSP5**  
SPARE BATTERY  
CHARGER



**#SSP6**  
ORANGE FLASHING  
BEACON



**#SSP7**  
BLUE FLASHING  
BEACON

## WORKS ON ALL TYPES OF TIRE



- ▶ NORMAL TIRES
- ▶ PUNCTURE-PROOF TIRES
- ▶ RESISTANT TIRES

## WORKS ON ALL TYPES OF VEHICLES



MOTORCYCLE



SEDAN



SUV



MINI TRUCK



TRUCK

**SHARK**  
ROBOTICS

### CONTACTS

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## RHYNO PROTECT

MULTI-PURPOSE FIRE FIGHTING ROBOT  
2000 L/MIN - 528 GPM



### MISSIONS



FIRE  
EXTINGUISHMENT



CBRN  
DECONTAMINATION



RECONNAISSANCE



CASUALTY  
EVACUATION



EQUIPMENT  
TRANSPORT



OBSTACLE  
CLEARANCE



BEST ROBOTIC ASSISTANCE  
FOR FIREFIGHTERS



FIELD-PROVEN ROBOT



NON-STANDARD CROSSINGS



RESISTANCE TO  
VERY HIGH TEMPERATURES



TOOL-FREE INTERCHANGEABLE  
MISSION MODULES IN LESS  
THAN 30 SECONDS



UN38 INTERCHANGEABLE BATTERIES

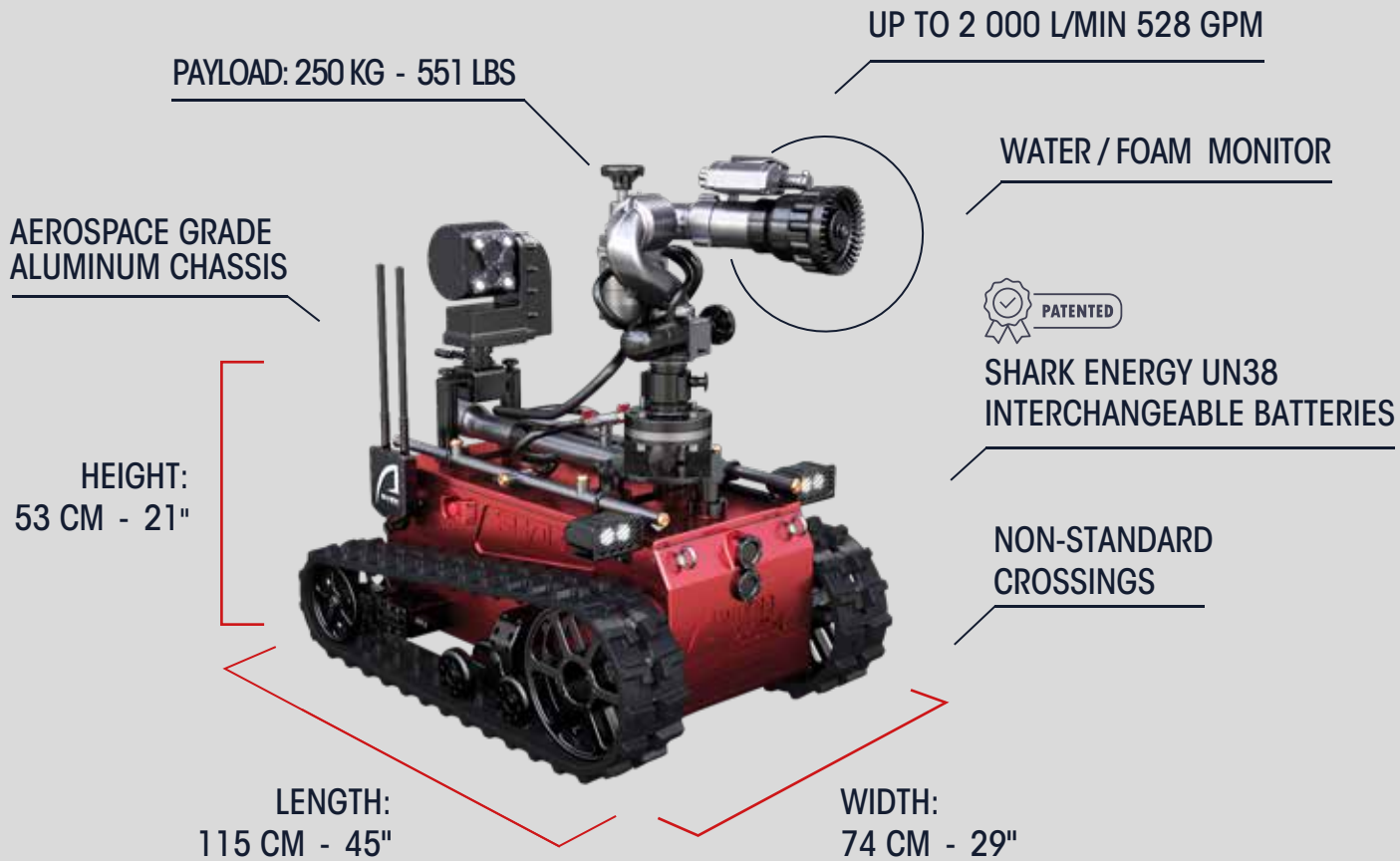


FAST DEPLOYMENT  
AND LOW MAINTENANCE



## SPECIFICATIONS

# RHYNO PROTECT



WEIGHT: 200 KG - 441 LBS



OBSTACLE CLEARANCE: 20 CM - 8"



MOTORIZATION: ELECTRIC ENGINES  
2 X 600 W



SLOPE: 40° - SIDE SLOPE: 35°



ELECTROMAGNETIC BRAKES



FIXED FRONT CAMERA  
8 MP, 130° HFOV, LED RING LIGHT



THERMAL SELF-PROTECTION



SPEED: 5 KM/H - 3.1 MPH



WATERPROOF AND DUSTPROOF: IP67 LEVEL



LITHIUM-ION: x2 BATTERIES  
SHARK ENERGY UN38 INTERCHANGEABLE BATTERIES



SENSORS INTERFACE:  
RAILS PICATINNY CONNECTION CONES



OPERATIONAL LIFESPAN: 5 HOURS



LED FRONT LIGHTING  
2 X 1750 LUMEN

## 20+ COUNTRIES WORLDWIDE



## 1 ROBOT, 5 MISSION MODULES



WATER / FOAM MONITOR



STRETCHER FOR WOUNDED PEOPLE



ARM (LIFT CAPACITY: 70KG - 154 LBS)



VIDEO TURRET 360°



EQUIPMENT TRANSPORTATION BASKET

## ADDITIONAL OPTIONS



- ▶ SENSOR TRAY:  
CBRN, GAS, ETC.



- ▶ MESH RELAY FOR LONG  
DISTANCE TRANSMISSIONS



- ▶ SPARE  
BATTERIES

- ▶ FIXED REAR CAMERA

- ▶ FRONT FIXED IR CAMERA

- ▶ CAMERA MOUNTED ON THE FIRE HOSE

- ▶ MICROPHONE & SPEAKER

- ▶ FIBER OPTIC UNWINDER



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  - TELEMETRY FEEDBACK: TEMPERATURE, TRANSMISSION QUALITY, ETC.
  - TRANSMISSION DISTANCE:  
ON AVERAGE 1 000 M - 3 280 FT LOS WITH MESH RELAY
  - DRIVING ASSISTANCE  
THANKS TO VIRTUAL LINES
  - REMOTE CONTROL OF THE ROBOT  
WITH DUAL FREQUENCY (2.4 GHZ)
  - PITCH & ROLL
  - ALLOWS TO CONTROL THE TABLET WITH GLOVES
  - VIDEO AND PHOTO RECORDING,  
WITH THE POSSIBILITY OF PLAYBACK ON THE TABLET
  - IN-HOUSE MASTERED SOFTWARE:  
CONTINUOUS INTEGRATION OF NEW IMPROVEMENTS AND DEVELOPMENT OF AI BRICKS
- + SHARK STREAMER (OPTION)



### CONTACTS



## BARAKUDA

MULTI-PURPOSE MULE  
MODULAR UNMANNED GROUND VEHICLE (UGV)



## MISSIONS



RECONNAISSANCE



ALL-TERRAIN



CASUALTY  
EVACUATION



INFORMATION  
RECORDING



TRANSPORTING  
EQUIPMENT



OBSTACLE  
CLEARANCE



POWERFUL UGV FOR RAPID DEPLOYMENT  
IN HOSTILE ENVIRONMENTS



CARRY 500 KG OF EQUIPMENT



10 HOURS OF  
OPERATIONAL LIFESPAN



TOWING BY VEHICLES



TOOL-FREE MODULAR SYSTEM



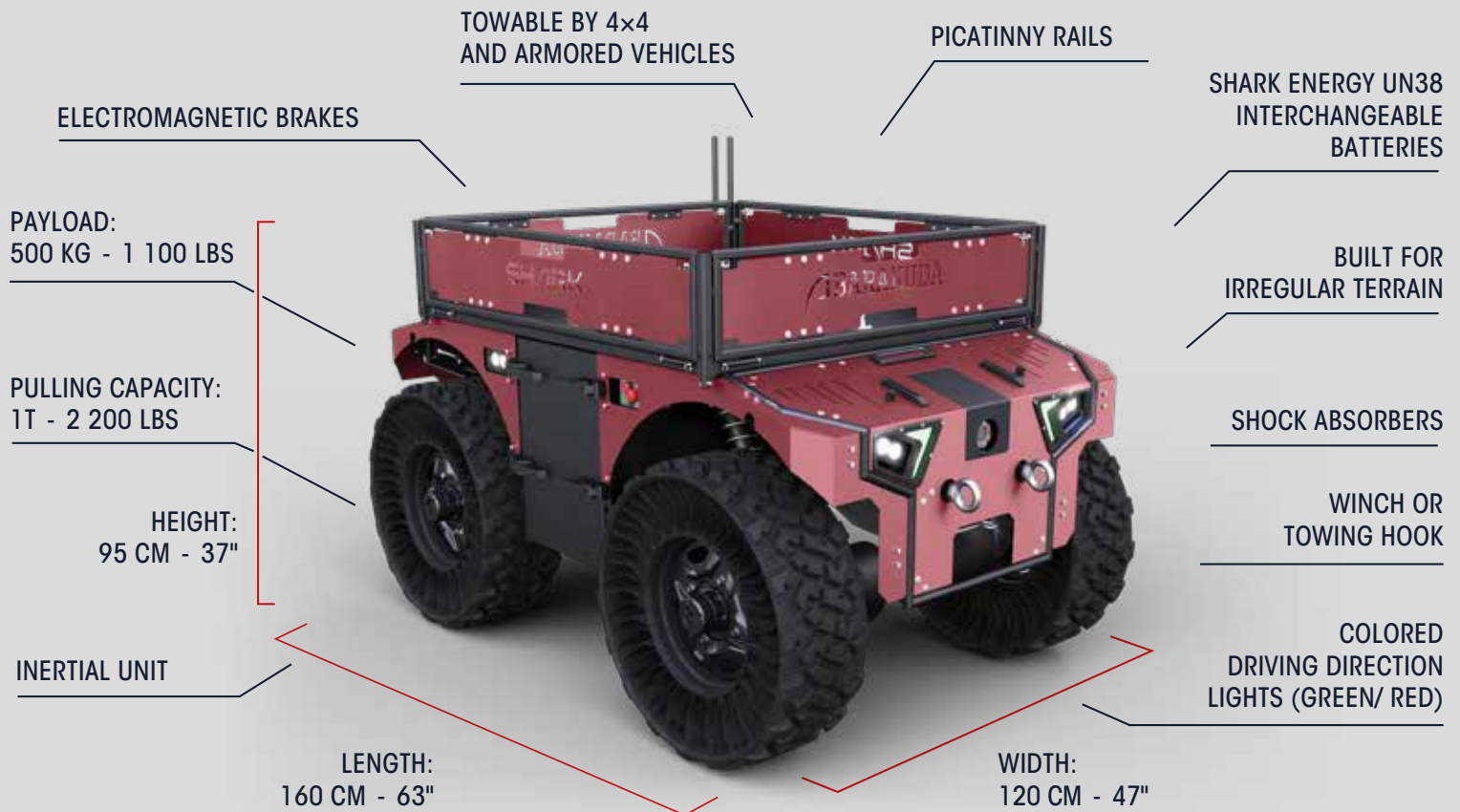
EASY TO USE AND  
LOW MAINTENANCE



MADE IN  
FRANCE

## SPECIFICATIONS

# BARAKUDA



**WEIGHT: 650 KG - 1 433 LBS**



**SPEED: 18 KM/H - 11 MPH**



**OBSTACLE CLEARANCE: UP TO 30 CM - 12"**



**WATERPROOF: IP65**



**SLOPE: 40° - SIDE SLOPE: 30°**



**LITHIUM-ION: x8 BATTERIES**  
SHARK ENERGY UN38 INTERCHANGEABLE BATTERIES



**OPERATIONAL LIFESPAN: 10 HOURS**



**MOTORIZATION: ELECTRIC ENGINES**  
4 x 2,2 KW - 500 Nm PER WHEEL



**CONTROL DISTANCE: ON AVERAGE**  
1 000 M - 3 280 FT LOS WITH MESH RELAY



**DEVELOPED WITH  
THE FRENCH  
ARMY FEEDBACK**





## MISSION MODULE

- ▶ **ARM LIFT CAPACITY:**  
70 KG - 154 LBS - FOLDED  
30 KG - 66 LBS - EXTENDED



## ADDITIONNAL OPTIONS

- ▶ LONG DISTANCE TRANSMISSIONS: MESH RELAY OPTION
- ▶ ELECTRICAL WINCH: UP TO 1 TON - 2 200 LBS
- ▶ MICHELIN PUNCTURE-PROOF TIRES
- ▶ RAMPS
- ▶ SENSORS TRAY: CBRN, GAS, ETC.
- ▶ CONNECTION CABLE
- ▶ GENERATION 2 VIDEO TURRET

### FOR THE ARM

- ▶ **CLAMP WITH BLADE**  
> ALLOWS TO CUT ELECTRIC WIRES
- ▶ **PUNCH SYSTEM ON THE ARM:**  
> ALLOWS TO BREAK WINDOWS
- ▶ **CAMERAS:**  
SHOULDER, CLAMP
- ▶ **INTERFACE FOR LANCE DISRUPTOR SYSTEM®**

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