

PRODUCT DESCRIPTION: COLOSSUS

The **Colossus** is an operational assistance and intervention robot designed to perform a variety of missions, including fire extinguishing, equipment transport, casualty evacuation, observation, inspection, and data collection via sensors. It is capable of operating on all types of terrain and in any weather conditions (wind, rain, snow, ice, etc.), being fully IP67 waterproof and easily maneuverable.

The Colossus is the result of feedback from our clients worldwide, and this new iteration represents the culmination of our expertise. Equipped with a robust protective frame, it ensures exceptional shock resistance while offering easy maintenance thanks to its modular design.

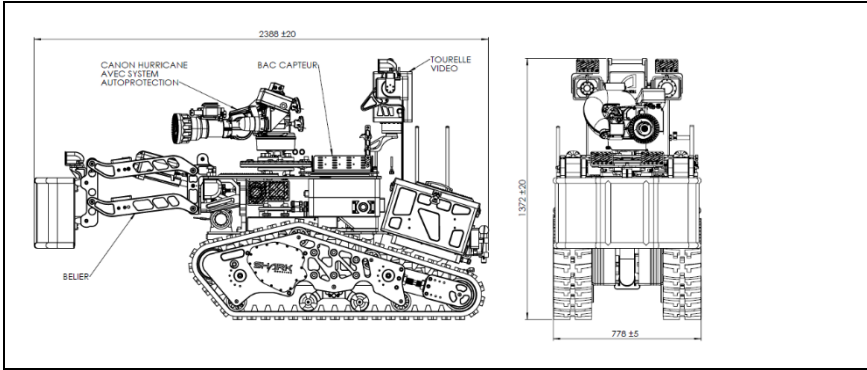
Developed with the support of the Paris Fire Brigade (BSPP), this robot can be fitted with a stretcher carrier, a basket for transporting equipment, a manipulator arm, an electric winch with a force of 1134 kg, protective nozzles for robot safety

(thermal security), a smoke extraction fan, a breathing air system and a motorized bull bar.

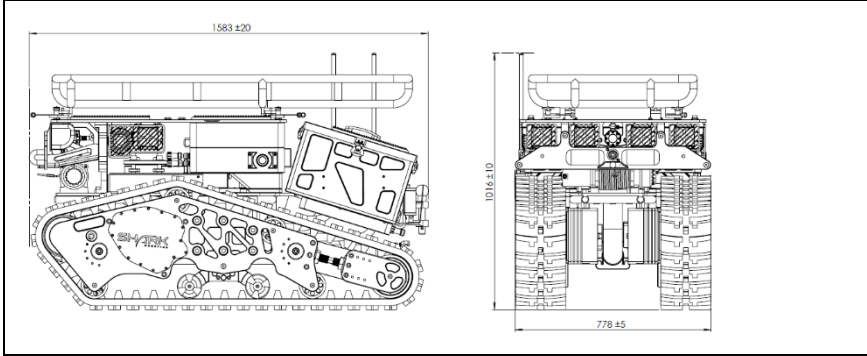


PHYSICAL AND FUNCTIONAL DESCRIPTION

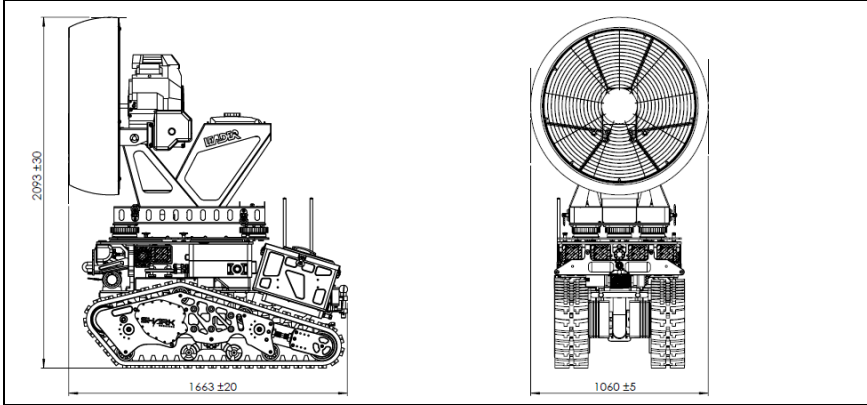
Robot			Options		
Dimensions excluding options (LxWxH)		1590x780x760 mm	Canon TFT TORNADO + cooling system	Maximum flow	1900 l/min
Robot weight with 6 batteries		585 kg		Pressure	Between 7 and 15 bar
Ground clearance		18 cm		Fitting	Country-specific
Crossing height		35 cm		Pan	180° (+/- 90°)
Slope / Tilt		40° / 30°		Tilt	-45 à +90°
Variable speed		0 to 5 km/h		Weight	38 kg
Payload		500 kg		Turret video	Dimensions
Traction		1 ton	Weight		28.7 +/-1 Kg
			Cameras		40x zoom and thermal
Motors	Number	2	Motorized Bull Bar	Dimensions	850x820x785 mm
	Features	4000W		Weight	80 +/-3 Kg
Extractable batteries	Number	6	Basket	Dimensions	1370x700x650 mm
	Capacity	27 Ah		Weight	31.5 +/- 1 kg
	Weight	9 kg +/- 1 kg	Stretcher Support	Dimensions	1430x670x150 mm
	Dimensions	330x256x112 mm		Weight	10.5 +/-1 kg
Autonomy	12 hours	SKID EASY 2000 fan and support	Dimensions	1207x1060x1335 mm	
Charger	Plug		Mains supply 220V	Weight	216 kg with support
Continuous track	Number	2	SH30 arm	Weight	90 kg
	Width	20 cm		Capabilities	70 kg bent arm / 30 kg extended arm
	Weight	70 kg	Breathing system	Dimensions	2790x750x450mm
Shark Station (supplied with a charger and 2 batteries)	Control distance	1000 meters in open field		Weight	120 kg
	Power supply	Lithium-ion battery		Brands	MSA, Dräger, Matisecc
	Frequency	2.4 Ghz		Sensor tray	Dimensions
	Waterproofing	IP 65	Weight		7 kg
Autonomy	3 hours				
Lighting	24,500 lumens				
Solenoid valve	Remote control				
Hydraulic Fitting	Country-Specific				
Self-protection	5 nozzles around the barrel				
Alarms (slope, tilt, temperature, etc.)	Visual and auditory on the tablet				



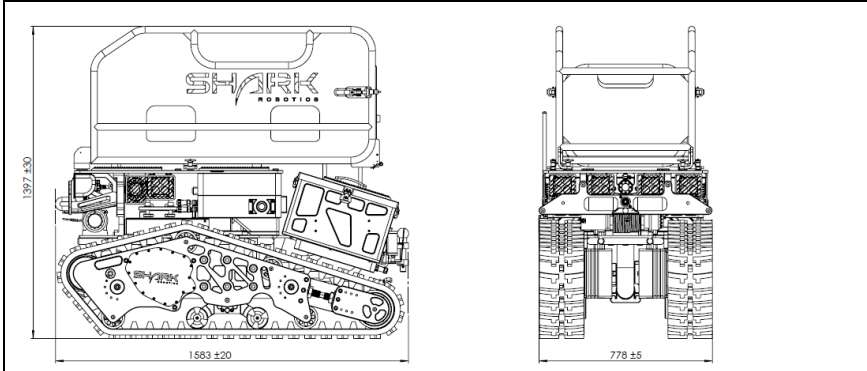
COLOSSUS FIREFIGHTING MODULE
Water canon + Video turret + motorized bull bar



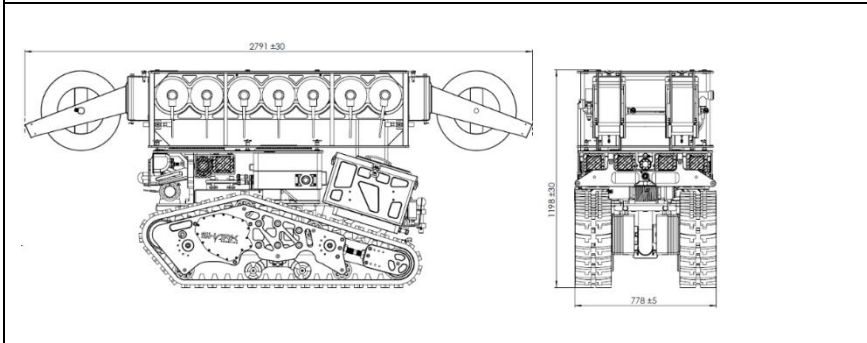
COLOSSUS STRETCHER SUPPORT
For wounded people



COLOSSUS LARGE FLOW FAN
P.P.V.



COLOSSUS BASKET TO TRANSPORT MATERIALS



COLOSSUS BREATHING AIR SYSTEM
Patented

