



# Minitrucks Robotics

Remotely operated robots  
ultra compact and modular  
for harsh environments



**DESIGNER AND MANUFACTURER  
MINITRUCKS ROBOTICS**

Campus Usin- Bat 2.3

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Versatile robots for combining

### Heavy load

Carry from 0.8 to 10 Tonnes  
Pulls from 1 to 25 Tonnes

### Imperfect ground

Slopes, inclines, mud, obstacles

### Narrow environment

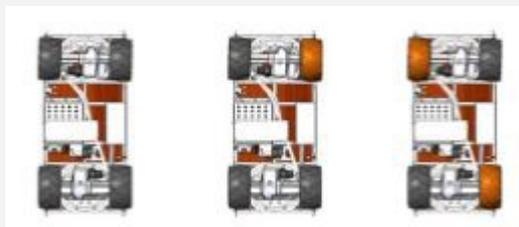
Width from 0.5 to 2M  
Short turning circle

**Decrease ardousness and increase productivity**

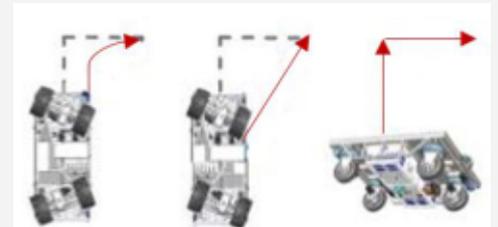
-  4 Wheels drive
-  High gearing torque!
-  Robust
-  Heavy load
-  Compact
-  Short turning circle
-  A wide range of accessories
-  Radio-controlled



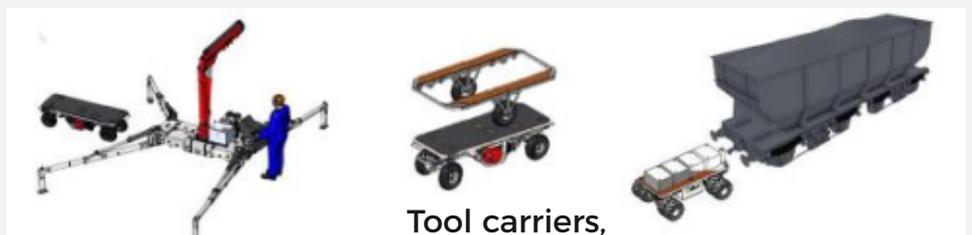
An infinite number of solution



Differential or 2, 3 or 4 wheel drive\*



Short steering, crab steering, omnidirectional\*



Tool carriers, load carriers  
pusher truck and tow truck functions\*

\* Some options are dedicated to on platform



Hydraulic drive

Modular batteries

Radio-controlled

ECM80	ECM160	ECM320	ECM400	TCM80	TCM160	TCM250	TPM160
Electric with batteries				Petrol		Diesel	Petrol
1500 x 550 470 mm	1800 x 800 634 mm	1800 x 800 680 mm	2200 x 1400 800 mm	1500 x 550 470mm	1800 x 800 680mm	1800 x 800 690mm	1800 x 800 680mm
340kgs	600 kgs	800 kgs	800kgs	800kgs	1600kgs	2500kgs	1600kgs
Double-steered axle			Every	Double-steered axle			
Pusher truck				Pusher truck			Tow truck



A wide range of customisations



MADE IN FRANCE



A wide range of applications

Heavy handling in industry, energy, wind and solar power, railways, naval, defence, water purification, mines & underground quarries, industrial oven, landscaping, marble & stone masons, live shows, vineyards, carpentry & masonry, earthworks, construction, metrology etc...

	ECM80	ECM160	ECM320	ECM400	TCM80	TCM160	TCM250	TPM160	
Main features	Inflated smooth studded tyres	Air		Foam		Air		Foam	
	Double forward speed	1,8 - 3,6 Km/h					2-4 km/h	1,8-3,6km/h	
	Drive wheels	4							
	Steered axles	2		4	2				
	Engine	Electric	Electric	Electric	Electric	Petrol		Diesel	Petrol
	Range	3000m			1500m	N.A.			
	Battery type	Pb* ou Lithium Ion		Gel	Pb*	N.A.			
	Unladen weight	340 kgs	600 kgs	800 kgs	800 kgs	190 kgs	465 kgs	520 kg	600 kg
	Radio control	Proportional							
	Turning radius	1,5m	1,8m	0	2,9m	1,5m	1,8m	0	1,8m
	Max gradient (with load)	20°			11°	20°		5°	
	Max tilt (unloaded)	25%			5%	25%			
	Rolling options	Agrarian types	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wide-track axle		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Widening platform		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
Dual crab steering						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Electric options	Extra battery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Radio control - on pallet	<input checked="" type="checkbox"/>							
	Inclinometer	<input checked="" type="checkbox"/>							
	Fronde and/or ree LIDAR	<input checked="" type="checkbox"/>							
Mechanical options	Fixed hitch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Mobile hitch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Lifting cylinders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Steel plate	<input checked="" type="checkbox"/>							
	Rancher platform	<input checked="" type="checkbox"/>							
	Tube holder	<input checked="" type="checkbox"/>							
	Manual stands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lifting options	Fixed jib	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Spider crane + Palfinger PC2700B jib		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Spider crane + Palfinger PC3800B jib					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Lifting table 500kgs - 0,8m stroke		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Lifting table 1000kgs - 1m travel		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Tipper options	400L container tipper	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
	400L tipping bucket	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
	1000L tipping bucket		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

... and other  
customised accessories



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