



Minitrucks Robotics

**Remotely operated robots
ultra compact and modular
for harsh environments**



**DESIGNER AND MANUFACTURER
MINITRUCKS ROBOTICS**

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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

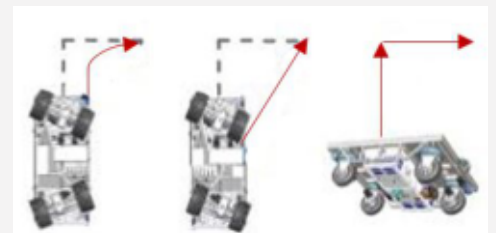
 **4 Wheels drive**
High gearing torque!
Robust 
Heavy load
Compact 
 **Short turning circle**
A wide range of accessories
Radio-controlled 



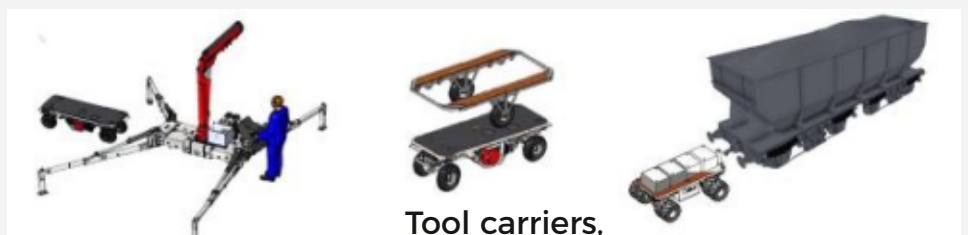
An infinite number of solution



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

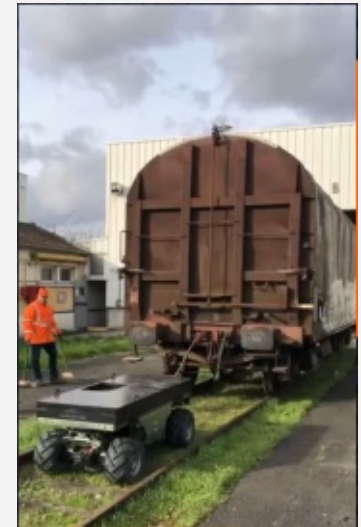
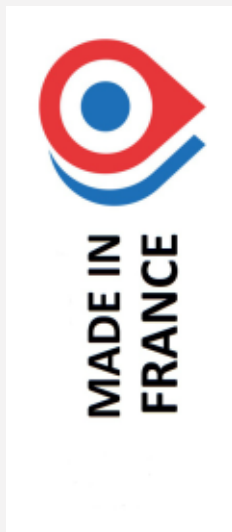


Radio-controlled

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



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 foward 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	☑	☑			☑	☑	☑	
	Wide-track acle	☑				☑		☑	
	Widening platform	☑				☑			
	Dual crab steering					☑	☑		
Electric options	Extra battery	☑	☑	☑	☑				
	Radio control - on pallet	☑	☑	☑	☑	☑	☑	☑	☑
	Inclinometer	☑	☑	☑	☑	☑	☑	☑	☑
	Frond and/or reae LIDAR	☑	☑	☑	☑	☑	☑	☑	☑
Mechanical options	Fixed hitch	☑	☑	☑		☑	☑	☑	☑
	Mobile hitch	☑	☑			☑	☑	☑	☑
	Lifting cylinders	☑	☑			☑	☑	☑	☑
	Steel plate	☑	☑	☑	☑	☑	☑	☑	☑
	Rancher platform	☑	☑	☑	☑	☑	☑	☑	☑
	Tube holder	☑	☑	☑	☑	☑	☑	☑	☑
	Manual stands	☑	☑		☑	☑	☑	☑	
Lifting options	Fixed jib	☑	☑			☑	☑	☑	
	Spider crane + Palfinger PC2700B jib		☑			☑	☑	☑	
	Spider crane + Palfinger PC3800B jib						☑	☑	
	Lifting table 500kgs - 0,8m stroke		☑			☑	☑	☑	
	Lifting table 1000kgs - 1m travel		☑			☑	☑	☑	
Tipper options	400L container tipper	☑				☑			
	400L tipping bucket	☑				☑			
	1000L tipping bucket		☑				☑	☑	

... and other
customised accessories



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