Class	1MCT02
First Name:	Thor
Name	Ditillieu
Project Name :	rijles hulp GPS
Assembly Revision :	
Approval Date :	
Part Count :	12
Total Cost :	€320

(picture can only be added with END delivery of project!)

Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost
1	Raspberry 5 8GB	Raspberry Pi to control everything	1	1	https://www.amazon.com.be/-/nl/Raspberry-Pi-5-8-GB/dp/B0CK2FCG1K/ref=sr_1_3?adgrpi	https://www.raspberrystore.nl/PrestaShop/nl/raspberry-pi-5/508-raspberry-pi-5-8gb-5056561803326.html?_gl=1*	1	€ 139.95	€ 139.95	
2	Adafruit Ultimate GPS Breakout with GLONASS + GPS - PA1616D	complete GPS module to track location	1	1	https://www.amazon.nl/Adafruit-Ultimate-GPS-Breakout-GLONASS/dp/B0CW3CB5SG	https://www.kiwi-electronics.com/nl/adafruit-ultimate-gps-breakout-with-	1	€ 51.99	€ 51.99	
3	MPU6500, versnellingssensor	accelerometer to track acceleration	1	1	https://www.tinytronics.nl/en/sensors/acceleration-rotation/mpu-6500-accelerometer-gyroscope-6dof-module-	https://www.amazon.com.be/-/en/Hailege-MPU-6500-MPU6500-Gyroscope-	1	€ 6.75	€ 6.75	
4	RC522 RFID-reader	RFID reader to track who is using the GPS	1	1	https://www.amazon.com.be/-/nl/AZDelivery-RC522-SPI-kaart-compatibel-	https://www.otronic.nl/en/rfid-rc522-nfc-kit-mfrc522-s50-mifare-incl-rfid-fu.html	1	€ 6.49	€ 6.49	
5	LCD1602 module	display to show pi IP adress	1	1	https://www.bol.com/be/nl/p/azdelivery-hd44780-1602-lcd-module-blauwe-weergave-2x16-tekens-compatibel-met-	https://www.amazon.com.be/-/nl/Freenove-display-compatibel-Arduino-	1	€ 5.99	€ 5.99	
6	aurevita 7inch mini monitor	display to show map	1	1	https://www.amazon.com.be/-/nl/Aurevita-Draagbare-mini-HDMI-monitor-Raspberry-	/	1	€ 47.29	€ 47.29	
7	servomotor SG90	servo to display acceleration	1	1	https://www.amazon.com.be/-/nl/AZDelivery-Compatibel-Helikopter-Vliegtuig-	https://www.bol.com/be/nl/p/mmobiel-sg90-9g-micro-servo-motor-voor-o-a-rc-	1	€ 6.99	€ 6.99	
8	external power supply MB102	external power supply to power servo	1	1	https://www.amazon.de/-/en/AZDelivery-MB102-Breadboard-Adapter-Compatible/dp/B07VCB2JQT	https://www.bol.com/be/nl/p/azdelivery-mb102-breadboard-voedingsadapter-	1	€ 6.99	€ 6.99	
9	attachable buttons	buttons that are easily mountable for poweroff	1	1	https://www.amazon.com.be/-/nl/GTIWUNG-mini-drukknopen-normaal-drukknoppen-	https://nl.aliexpress.com/item/1005003707228415.html?src=google&pdp_npi=4%40dis%21EUR%211.35%211.35%21	1	€ 1.49	€ 1.49	
10	USB C 3.0 Panel Mount	external connection for easy access to the pi	1	1	https://www.amazon.com.be/-/nl/JSADZKJ-Panel-verlengkabel-gegevensoverdracht-	https://benl.rs-online.com/web/p/interface-adapters-	1	€ 15.16	€ 15.16	
11	USB C cigarette lighter socket adapter	lighter socket adapter to provide 5A power to pi	1	1	https://www.amazon.com.be/-/nl/UGREEN-oplader-sigarettenaansteker-autolader-	https://eu.ugreen.com/products/ugreen-130w-3-port-pd-100w-pd3-0-qc4-0-pps-fast-	1	€ 21.99	€ 21.99	
12	INIU USB C to USB C-kabel	5A USB C to USB C cable to power pi	1	1	https://www.amazon.com.be/INIU-C-kabel-snellaadkabel-oplaadkabel-gevlochten/dp/B09MQ4KZ27/ref=sr_1_4	https://eu-main.iniushop.com/nl/products/iniu-d5cc-usb-c-to-c-cable-	1	€ 8.49	€ 8.49	
	Total			**12**					**€ 319.57**	