

Class	1MCT6
First Name:	Robbe
Name	Breens
Project Name :	<u>Mobile Air Quality Monitor</u>
Assembly Revision :	_____
Approval Date :	_____
Part Count :	<u>10</u>
Total Cost :	<u>€165</u>

Part #	Part Name	Description	Revision	Qty
1	Raspberry pi	Computer used to host website and API.		1
2	Arduino MKR GSM 1400	Arduino nano with an on-board 3G module		1
3	PMS5003	Particle pollution sensor for both PM2,5 and PM10		1
4	LM35	Temperature sensor		1
5	NEO-6M GPS module	GPS module		1
6	LCD display	LCD display		1
7	5V 2500mA DC adapter	Supply for RPI and arduino		2
8	3.7V 10000mAh Li-Po battery	Rechargeable battery for arduino		1
9	JST 2.0 PH connector	Connector to connect the battery to the arduino		1



Total

10

Picture of Assembly

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

Supplier	also available from	Units	Unit Cost	Max Cost
www.raspberrypi.org/products/raspberry-pi-4-model-b/		1	\$ 32,00	€ 32,00
https://store.arduino.cc/arduino-mkr-gsm-1400-1415		1	\$ 59,90	€ 59,90
https://www.adafruit.com/product/3686		1	\$ 39,95	€ 39,95
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 0,58	€ 0,58
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 9,29	€ 9,29
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 5,99	€ 5,99
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 4,60	€ 9,20
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 7,33	€ 7,33
https://www.aliexpress.com/item/1005002511111111/3296122222222222.html		1	\$ 0,89	€ 0,89

€ -

€ -

€ 165,13

Real Cost



