

Class	1MCT-1
First Name:	Guillaume
Name	De Backere
Project Name :	HydroBottle
Assembly Revision :	_____
Approval Date :	_____
Part Count :	10
Total Cost :	€116

Part #	Part Name	Description	Revision	Qty
1	Raspberry Pi Zero W Basic Pack - Incl. Pi Zero W	Raspberry Pi to control my sensors and data	1	1
2	Ultrasonic sensor	Sensor for measuring how much water there is in the bottle	1	1
3	temperature sensor	Sensor for measuring how cold the water is	1	1
4	powerbank holder	To cover the powerbank	1	1
5	usb powerbank	For charging the Raspberry Pi and LEDs	1	1
6	bottle	Housing for the project	1	1
7	Oled display	To show info on the bottle	1	1
8	Rgb led ring	To show notification	1	1
9	reed switch	for counting how many times the cap opens	1	1
10	buzzer	To make a sound for finding the bottle or notifications	1	1
<b>Total</b>				<b>10</b>



Supplier	also available from	Units	Unit Cost
<a href="http://raspberrypi-zero/pi-zero-boards-packs/ras://www.adafruit.com/product/3">http://raspberrypi-zero/pi-zero-boards-packs/ras://www.adafruit.com/product/3</a>		1	€ 29,95
<a href="http://electronics.nl/ultrasonic-sensor-hc-sr04?search=ult%kJKCBhAyEiwAKQBCkoOJvp">electronics.nl/ultrasonic-sensor-hc-sr04?search=ult%kJKCBhAyEiwAKQBCkoOJvp</a>		1	€ 4,95
<a href="http://adafruit.com/product/1782">adafruit.com/product/1782</a>			€ 5,95
3d printed	/	1	€ -
<a href="http://www.adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000">www.adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000</a>		1	€ 25,95
lego blocks	<a href="http://sneakenergy.com/products/og">sneakenergy.com/products/og</a>	1	€ -
<a href="http://adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000">adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000</a>		1	€ 23,95
<a href="http://adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000">adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000</a>		1	€ 19,95
<a href="http://adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000">adafruit.com/product/10076852127/?bltgh=g28FwUU3VBzXr86bvlrkleinste-ter-wereld/9300000</a>		1	€ 3,95
<a href="http://electronics.nl/piezo-buzzer?search=buzzer&amp;s://www.adafruit.com/product/1">electronics.nl/piezo-buzzer?search=buzzer&amp;s://www.adafruit.com/product/1</a>		1	€ 0,95

Max Cost	Real Cost
€ 29,95	€ 30,00
€ 4,95	€ 13,00
€ 5,95	€ 5,00
€ -	
€ 25,95	€ 25,00
€ -	€ 30,00
€ 23,95	€ 15,00
€ 19,95	€ 30,00
€ 3,95	€ 3,95
€ 0,95	€ 1,00
<b>€ 115,60</b>	<b>€ 152,95</b>