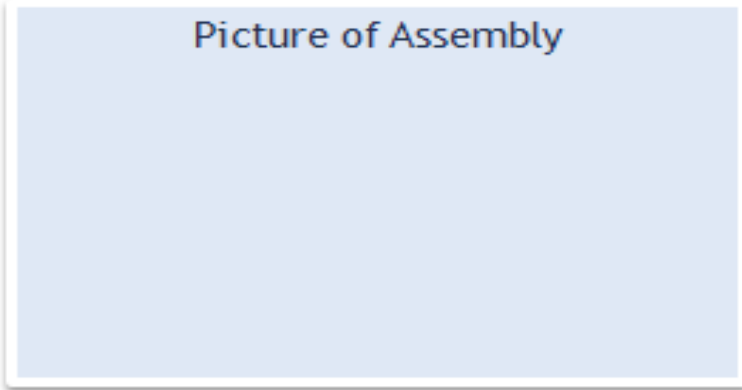


**CLASS:** 1NCMT1  
**NAME:** De Meester  
**FIRSTNAME:** Cédric  
**Assembly Name :** Weerstation met zonnepanelen  
**Assembly Revision :** \_\_\_\_\_  
**Approval Date :** \_\_\_\_\_  
**Part Count :** 20  
**Total Cost :** €214

Part #	Part Name	Description	Revision	Qty
1	Zonnepaneel	5 X 6V 1W		1
2	18650 batterijen	4X 3,7V 3400 MAH 18650 BATTERIJ PACK		1
4	Booster 5V + USB	Zet 3,7V om naar 5V		1
5	TP 4056	Batterij lader		1
6	DHT21/AM2301	Luchtvochtigheid en temperatuur sensor		1
7	BMP180	Luchtdrukmeter		1
8	RF 433	Draadloos transmitter en receiver		1
9	Arduino Mini	Arduino Mini		1
10	Stappenmotor	stappenmotor   1,8 graden per stap   5 kg/cm		2
11	Kabel voor stappenmotor	Stappenmotor kabel 4- draads 30cm		2

12	stappenmotordriver	DRV8825	2
13	LCD scherm	128x64 Oled LCD	1
14	Lichtsensoren	LDR Photoresistor 8k/300k	4
15	Raspberry Pi 3 model B	Raspberry Pi om het systeem te controleren	1
16	Raspberry Pi 3 model B adapter	Raspberry Pi adapter om te voeden	1
17	Micro SD kaart 16GB	Opslagruimte voor het besturingssysteem op de Pi	1
18	Arduino Uno	Controller om de RF receiver te gebruik	1
<b>Total</b>			<b>20</b>

## Picture of Assembly



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

Supplier	also available from	Units	Unit Cost
<a href="#">Solar-Power-Panel-Solar-System-DIY-For-Cell-Phone-Chargers-Portable-/172</a>		1	€ 13,27
<a href="#">rijsservice.nl/nl/pack-4-panasonic-ncr18650b-unprotected.html</a>		1	€ 21,99
<a href="#">?gclid=CjwKCAjw1KLkBRBZEiwARzyE79BT-7S5SII9XDBtIBKfkPQ3brZp_V</a>		1	€ 9,95
<a href="#">=4452574&amp;gclid=Cj0KCQjwsZ3kBRcNARIsAluAV_QLfd2Q02Ts7E7yuMDrE</a>		1	€ 1,75
<a href="#">-Arduino/dp/B07L4BBJFS/ref=sr_1_5?keywords=DHT21%2FAM2301&amp;qid=</a>		1	€ 9,69
<a href="#">arket/dp/B00TMJP4JC/ref=sr_1_15?keywords=BMP180&amp;qid=1552464128&amp;s</a>		1	€ 8,28
<a href="#">ceiver-Raspberry/dp/B01DZD9YSW/ref=sr_1_3?keywords=RF+433&amp;qid=1</a>		1	€ 5,52
<a href="#">C+DSP&amp;mkwid=sA26EulK4&amp;pcrid=294713338689&amp;pkw=&amp;pmt=&amp;pdv=c&amp;gclid</a>		1	€ 8,70
<a href="#">-printer-onderdelen/Motoren/Stappenmotoren/NEMA-17-p14804.html</a>		2	€ 14,50
<a href="#">-printer-onderdelen/Motoren/Stappenmotoren/NEMA-17-p14804.html</a>		2	€ 1,50

<a href="http://nl/123-3D-Stepstick-DRV8825-stappenmotordriver-i96-t332.html">nl/123-3D-Stepstick-DRV8825-stappenmotordriver-i96-t332.html</a>	2	€	5,75
<a href="http://est.com/diy-parts-components/pp_1565984.html?wid=1433363">est.com/diy-parts-components/pp_1565984.html?wid=1433363</a>	1	€	7,04
<a href="http://www.gotron.be/ldr-photoresistor-8k-300k-plastic.html">www.gotron.be/ldr-photoresistor-8k-300k-plastic.html</a>	4	€	0,81
<a href="http://3-CPU-1_2GHz-64-Bit-Quad-Core-1GB-RAM-10-Times-B-p-1041862.html?">3-CPU-1_2GHz-64-Bit-Quad-Core-1GB-RAM-10-Times-B-p-1041862.html?</a>	1	€	41,28
<a href="http://dingsadapter-2500ma-micro-usb-met-eu-stekker-voor-o-a-raspberry-pi-3-3b/">dingsadapter-2500ma-micro-usb-met-eu-stekker-voor-o-a-raspberry-pi-3-3b/</a>	1	€	10,75
<a href="http://ss-4/9005000010464534/?suggestionType=suggestedsearch&amp;bltgh=uivD0-C">ss-4/9005000010464534/?suggestionType=suggestedsearch&amp;bltgh=uivD0-C</a>	1	€	8,54
<a href="https://store.arduino.cc/arduino-uno-rev3">https://store.arduino.cc/arduino-uno-rev3</a>	1	€	20,00

ect!)

Max Cost	Real Cost
€ 13,27	
€ 21,99	
€ 9,95	
€ 1,75	
€ 9,69	
€ 8,28	
€ 5,52	
€ 8,70	
€ 29,00	
€ 3,00	

€ 11,50

€ 7,04

€ 3,24

€ 41,28

€ 10,75

€ 8,54

€ 20,00

**€ 213,50**