

Cost of Components

Component	Specification	quantity	Price for	Total price
Mechanical	Aluminium bars	5m	£20	£20
	Gland	20	£3	£60
	Watertight wires	10m	£50	£50
	Miscellaneous	1	£100	£100
	Watertigh Pipe	1	£24.50	£50.95
	Drop system electromagnetic	1	£30	£30
Thrusters	keep our old yellow ones and made 2 spare ones with speed sensor	6	£10	£60
	INUKTUN thrusters 24V or 12V	4	3500\$, £2K	£8K
Navigation Sensor	Hydrophone: we need one for the recovering area ITC 8212 10-10Khz	1	£1411.67	£1411.67
	Sonar Micron from TRITECK	1	£3.3K	£3.3K
	Pressure sensor: can be useful for the plan B in case the altimeter fails	2	£30	£60
	Accelerometers useful for a plan B if the INS fails	1	£800	£800
	Gyrometers: useful for a plan B if the INS fails	3	£30	£90
	Gyroscope Electronic: KDH 1axis		£2K	£2K
	INS: Xsens MT9	1	£1K	free
	Altimeter	1	£900	£900
Image processing	Webcam Logitech quick cam pro	2	£50	£100
	head torches	2	£25	£50
WIFI	USB Wifi key	1	£19	£19
	Wireless router	1	£50	£50
	USB Hub	1	£5	£5
Power	H-bridges	5	£50	£250
	DC/DC Converters	4	£40	£160
	Main Circuit board	1	£50	£50
Processing system	PC104 P3 700MHz	1	£1K	Free
	Serial Card for PC104	1	£50	£50
	USB serial adapter	3	£10	£30
	PIC 18F and circuit board	2	£10	£20
Batteries	40 Dcells (4*10Dcells)	1	£200	£200
	Battery charger	1	£200	£200
	Circuit board protection	1	£50	£50
TOTAL	PRICE with new thrusters			£18.137
	price with our old thrusters			£10.137
Travel expenses	Rent van, 5days	8 pers		£480
	Fuel Edinburgh London return			£195
	Accommodation near London 3 nights + food	8 pers		£1K