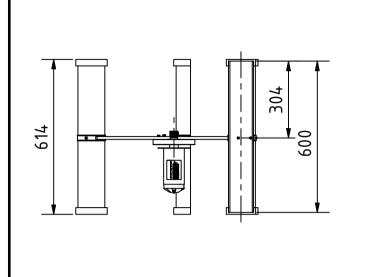
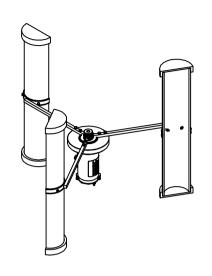


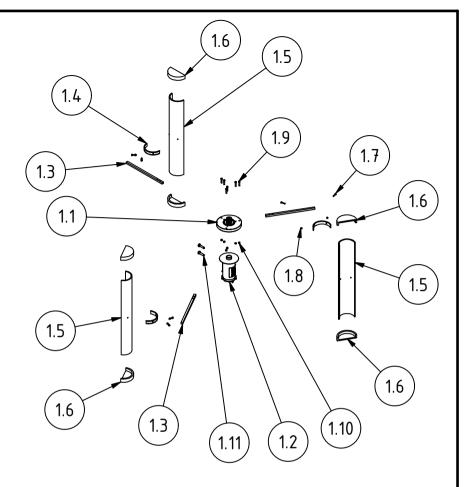
		-	Parts list	ċ		
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3D views	ymm_dtp.iam			1
A2	1	Exploded 3D view	ymm_dtp.ipn			2
B1		Parts list	part list. csv			3
C1		Technical notes	technical notes.csv			4
1.0	1	Darrieus turbine	ymm_dtp.iam	Production		5
1.1	1	Disk treadmill motor		Buy	Steel C45	
1.2	1	Treadmill motor		Buy	Treadmill Motor 40 W	
1.3	3	Rotor arm	rotor arm.ipt	Production	Steel A36	6
1.4	3	Clamp 110 mm		Buy	Clamp 110 mm, Steel C45	
1.5	3	Blade	blade.ipt	Production	Tube Dia. 4", Plastic PVC	7
1.6	6	Тар		Buy	Tap Dia. 4", Plastic PVC	
1.7	6	Screew M5x25		Standard	Screew M5x25, DIN 931	
1.8	6	Nut M5		Standard	Nut M5, DIN 934	
1.9	6	Screew M6x30		Standard	Screew M6x30, DIN 931	
1.10	6	Nut M6		Standard	Nut M6, DIN 934	
1.11	2	Screew M10x40		Standard	Screew M10x40, DIN 931	
2.0		Frame assembly	frame assembly.iam	Production		8
2.1	1	Frame Central C		Standard	Frame C 80x45mm, Steel A36	9
2.2	1	Base	base.ipt	Production	Steel A36	10
2.3	3	Frame Lateral L		Standard	Frame L 20x20x3 mm, Steel A36	11
2.4	3	Frame base L		Standard	Frame L 20x20x3 mm, Steel A36	12
2.5	2	Frame upper L		Standard	Frame L 20x20x3 mm, Steel A36	13
2.6	3	Screew M7x30		Standard	Screew M7x30, DIN 931	
2.7	4	Screew M10x40		Standard	Screew M10x40 , DIN 931	

PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Darrieus turbine made	of pvc						
pipes		E. CEBALLOS		A. MORILL	.0	28/11/2021	1.0
PART NAME		FILE NAME					POS
Part List		part list.csv					B1
DEVELOPED BY	REDES1	igned by		DOC. TYPE	MATERIAL		QUANTITY
				Part List		ICON I	CHEET
			e	LICENCE		SCALE	SHEET
		OPEN SOURCE ECOLOGY GERMANY	K	CC-BY-SA	4 N		3 /13

		TECHNICL NOTES				
NOTES	CONTENT	TEOINTIGE ITS S				
GENERAL NOTES			-			
	100-150watts 12v treadmill motor do	c can prudus high voltage in	low rpm 1-1.5 amps to	charge 12v batteries,		
Trandmill mater	references:					
Treadmill motor	https://www.alibaba.com/product-def	tail/110V-3HP-4800RPM-Hig	n-torque-Low_1600290	589251.html?spm=a27	J0.details.0.0.	.6a6c1fa4R
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	•	PROJECT Darrieus turbine made of pv	CREATED BY	APPROVED BY	DATE	VERSION
				A MODILLO	20/11/2021	[]
	•	pipes PART NAME	E. CEBALLOS FILE NAME	A. MORILLO	28/11/2021	POS
	•	PARTINAME	TEE NOUE		,	
	•	Technical Notes			,	
	•	DEVELOPED BY	REDESIGNED BY	DOC. TYPE MATERIAL		C1 QUANTITY
	•	1		Technical	,	
	,	1		> notes u LICENCE		<u> </u>
	,	1	77	υ LICENCE	SCALE	SHEET
	,	1	OPEN SOURCE ECOLOGY GERMANY	인 O CC-BY-SA 4.0	1 '	1,42
			GERMANY	OCC-BY-SA 4.0	<u> </u>	4 /13

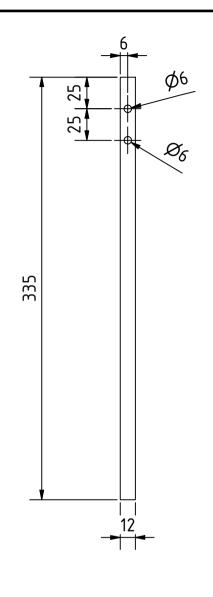


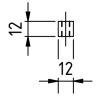


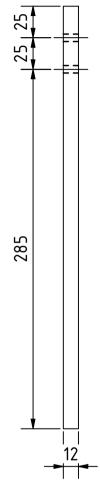


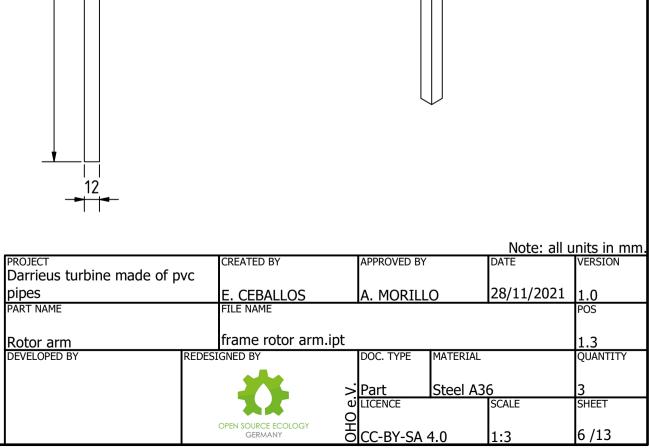


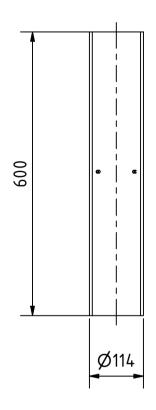
Ø703	E (1:6)				
4000				Note: all ι	units in mm.
	PROJECT Darrieus turbine made of pvc	CREATED BY	APPROVED BY	DATE	VERSION
	pipes	E. CEBALLOS	A. MORILLO	28/11/2021	1.0
	PART NAME	FILE NAME	•		POS
86. ∕	Darrieus Turbine	ymm_dtp.iam			1.0
4/	DEVELOPED BY RED	ESIGNED BY	DOC. TYPE MATERIAL		QUANTITY
		2/4	> Assembly		1
			LICENCE	SCALE	SHEET
		OPEN SOURCE ECOLOGY GERMANY	OCC-BY-SA 4.0	1:15	5 /13

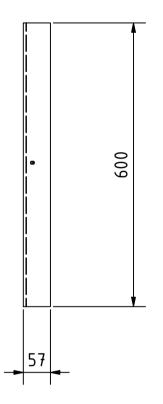


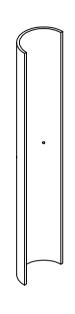


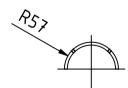




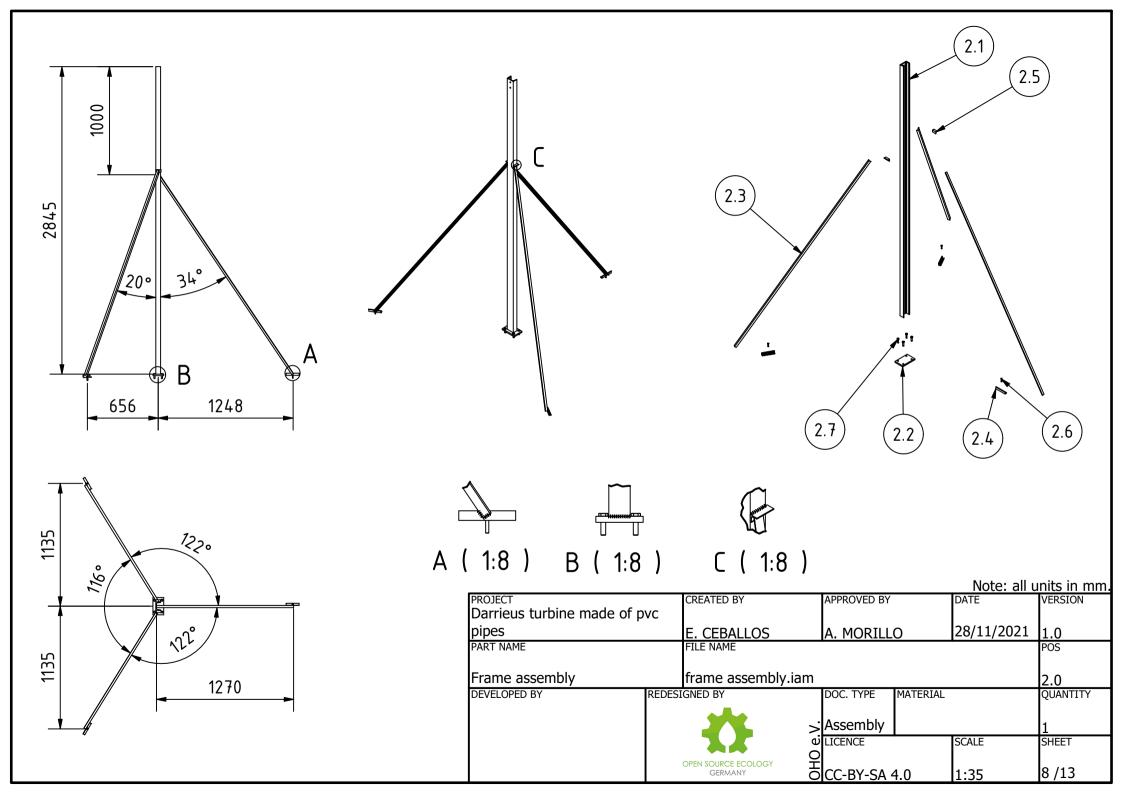


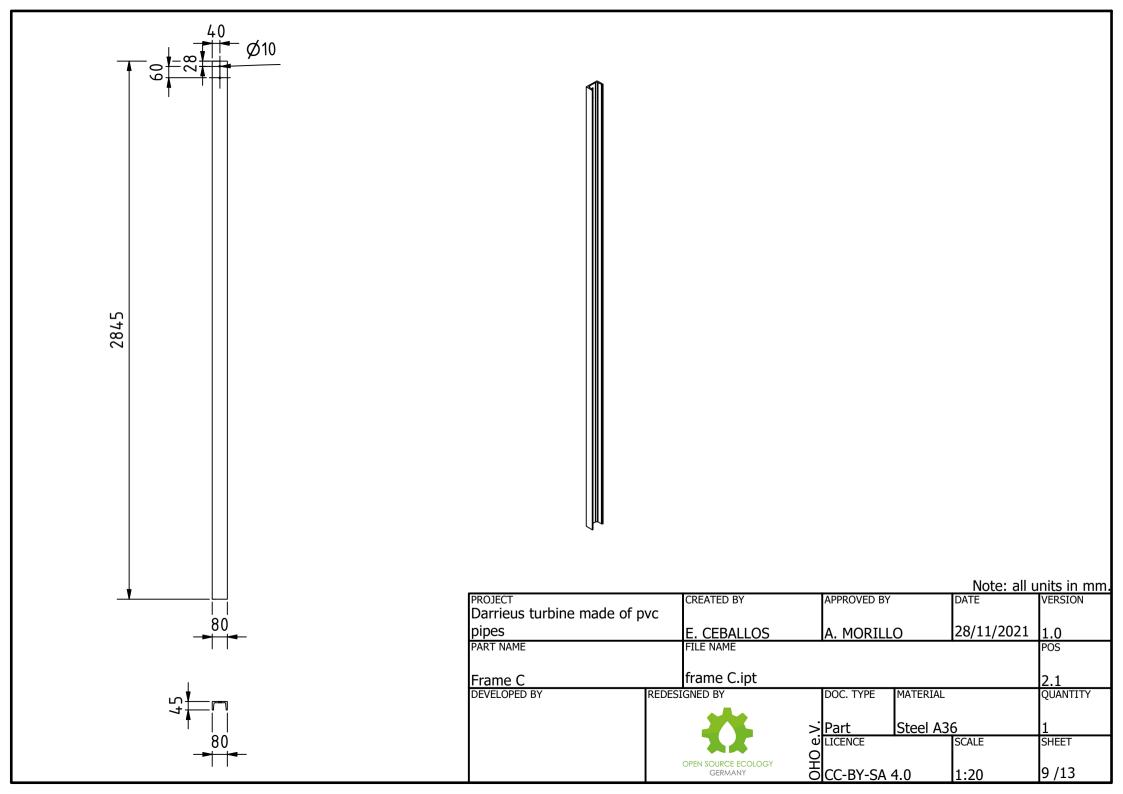


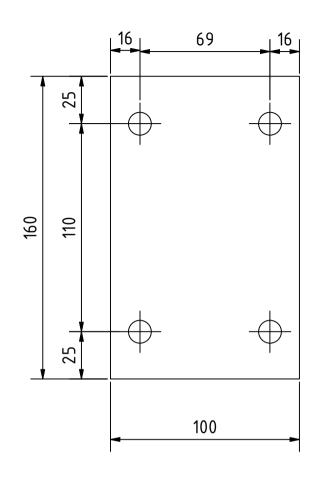


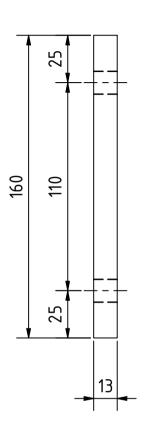


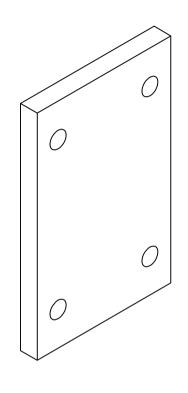
						Note: all u	ınits in mm.
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Darrieus turbine made of py	٧C						
pipes		E. CEBALLOS		A. MORILL	.0	28/11/2021	1.0
PART NAME		FILE NAME		-		-	POS
Blade		blade.ipt					1.5
DEVELOPED BY	REDESI	GNED BY		DOC. TYPE	MATERIAL		QUANTITY
			>	Part	PVC		3
			a)	LICENCE		SCALE	SHEET
		OPEN SOURCE ECOLOGY	우				
		GERMANY	ㅎ	CC-BY-SA	4.0	1:8	7 /13

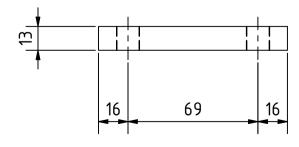




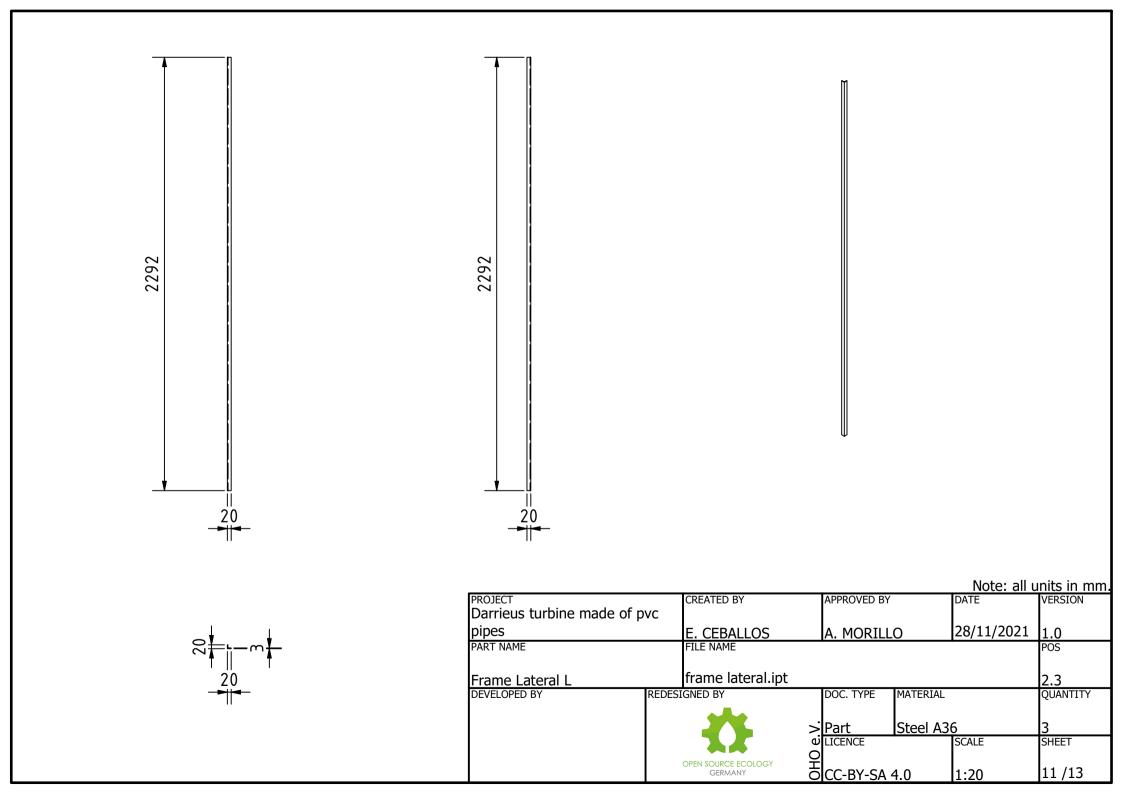


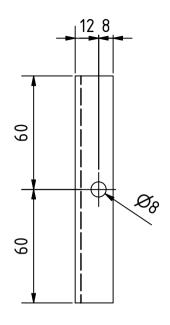


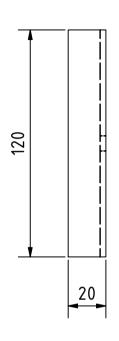


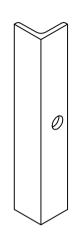


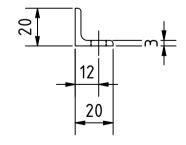
			Note: all ι	ınits in mm.
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Darrieus turbine made of pvc				
pipes	E. CEBALLOS	A. MORILLO	28/11/2021	1.0
PART NAME	FILE NAME			POS
Base	base.ipt			2.2
DEVELOPED BY RED	ESIGNED BY	DOC. TYPE MATERIAL		QUANTITY
		> Part Steel A3	86	1
		LICENCE	SCALE	SHEET
	OPEN SOURCE ECOLOGY	위		
	GERMANY	o CC-BY-SA 4.0	1:2	10 /13



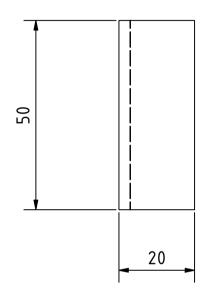


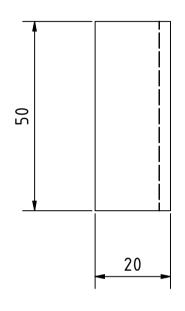


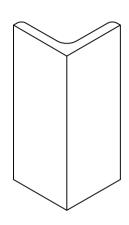


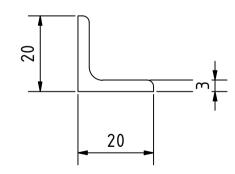


				Note: all ι	ınits in mm.
PROJECT	CREATED BY	APPROVED BY	•	DATE	VERSION
Darrieus turbine made of pvc					
pipes	E. CEBALLOS	A. MORILL	.0	28/11/2021	1.0
PART NAME	FILE NAME			-	POS
Frame base L	frame base.ipt				2.4
DEVELOPED BY REDES	SIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		> Part	Steel A3		3
		U LICENCE		SCALE	SHEET
	OPEN SOURCE ECOLOGY GERMANY	CC-BY-SA	4.0	1:2	12 /13









					Note: all ι	ınits in mm.
PROJECT	CREATED BY		APPROVED BY		DATE	VERSION
Darrieus turbine made of pvc						
pipes	E. CEBALLOS		A. MORILL	.0	28/11/2021	1.0
PART NAME	FILE NAME					POS
Frame upper L	frame upper.ipt					2.5
DEVELOPED BY REDE	SIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
		>	Part	Steel A3	6	2
		a.	LICENCE		SCALE	SHEET
	OPEN SOURCE ECOLOGY	우				
	GERMANY	Ö	CC-BY-SA	4.0	1:1	13 /13