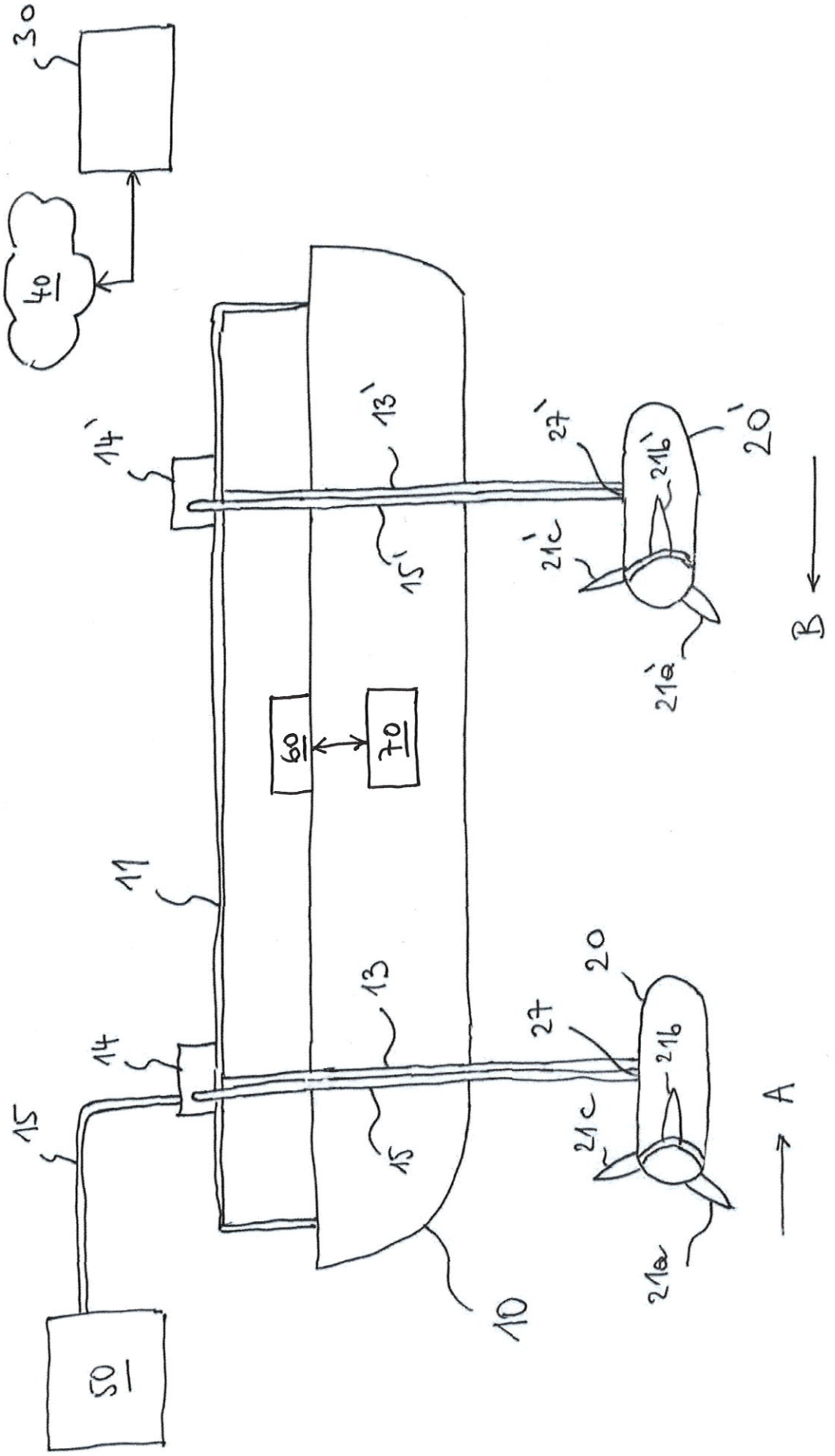

30
40
14'
13'
27'
21b'
20'
21c'
21a'
15'
60
70
B
11
14
13
27
20
21b
21c
21a
15
A
50
10
100

Fig. 1

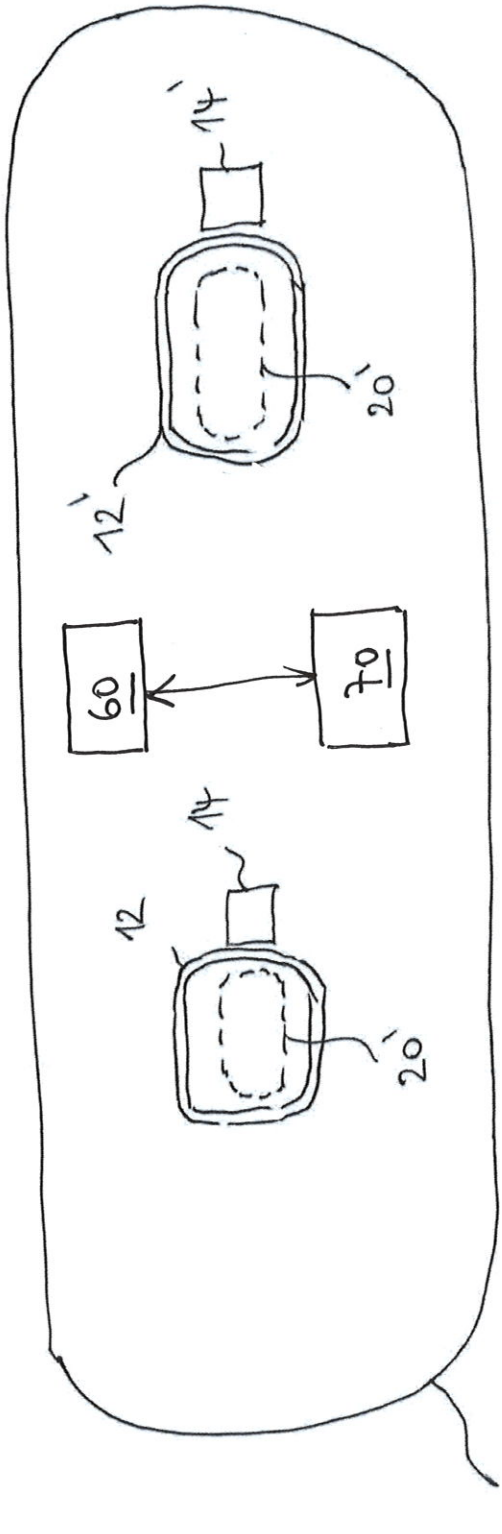


Fig. 2

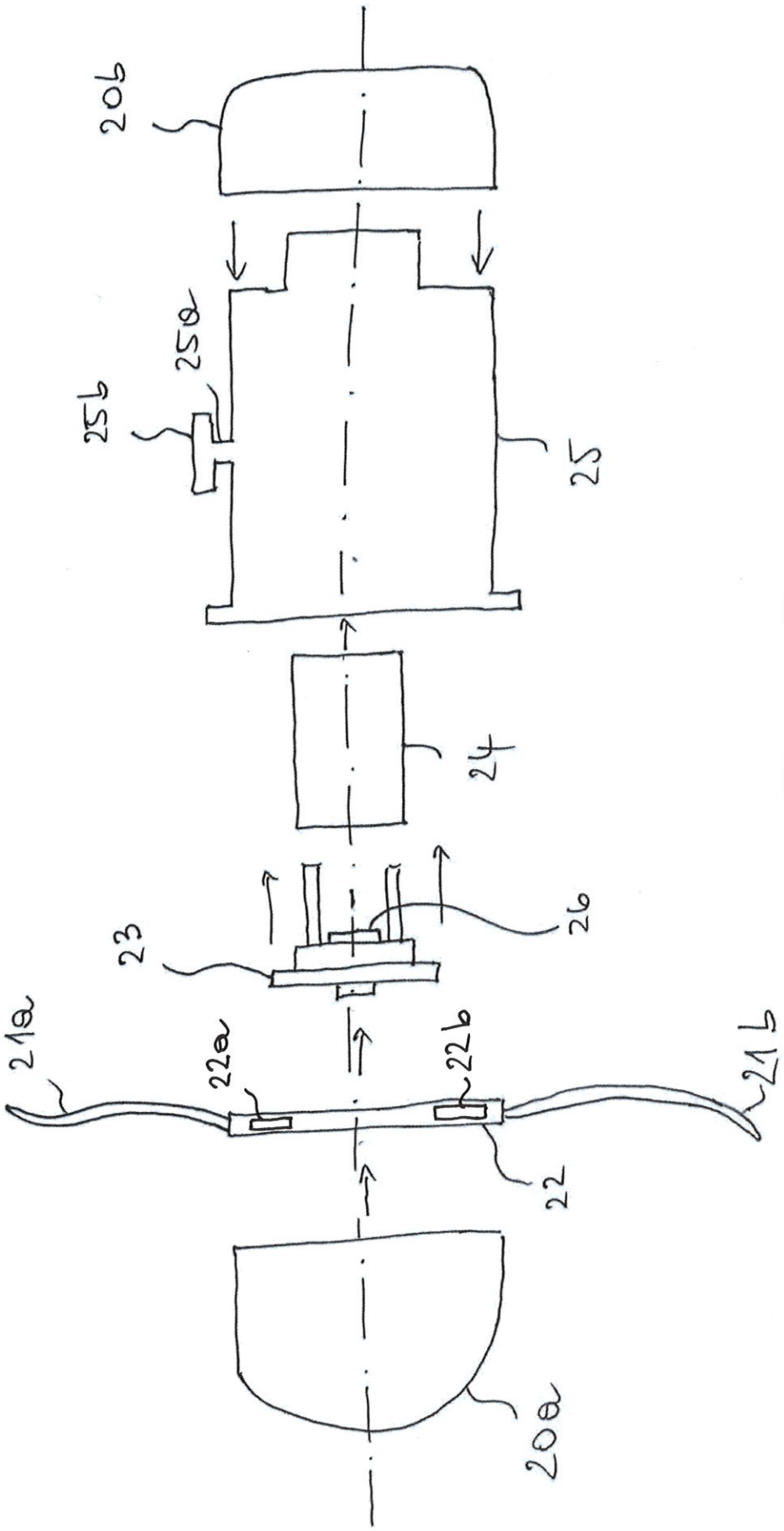


Fig. 3

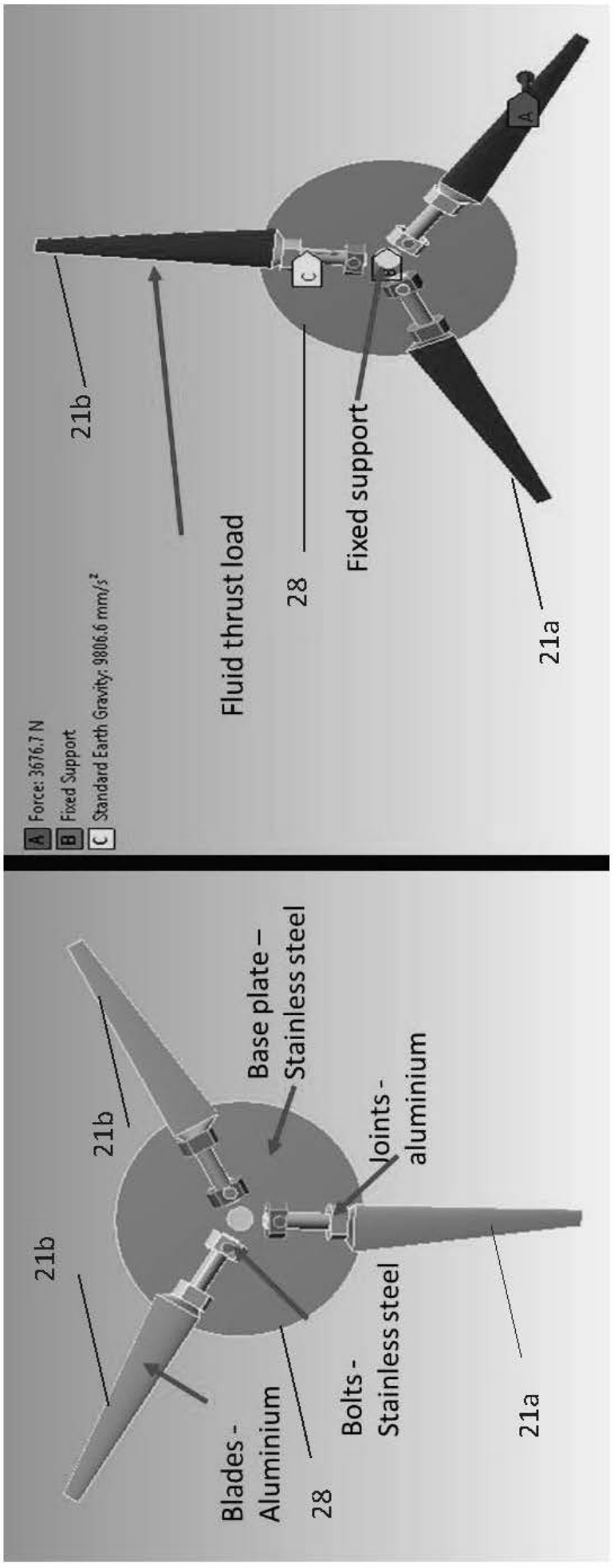

A Force: 3676.7 N
B Fixed Support
C Standard Earth Gravity: 9806.6 mm/s²
Fluid thrust load
21b
28
Fixed support
21a
21b
21b
Base plate – Stainless steel
Joints - aluminium
Blades - Aluminium
28
Bolts - Stainless steel
21a

Fig. 4

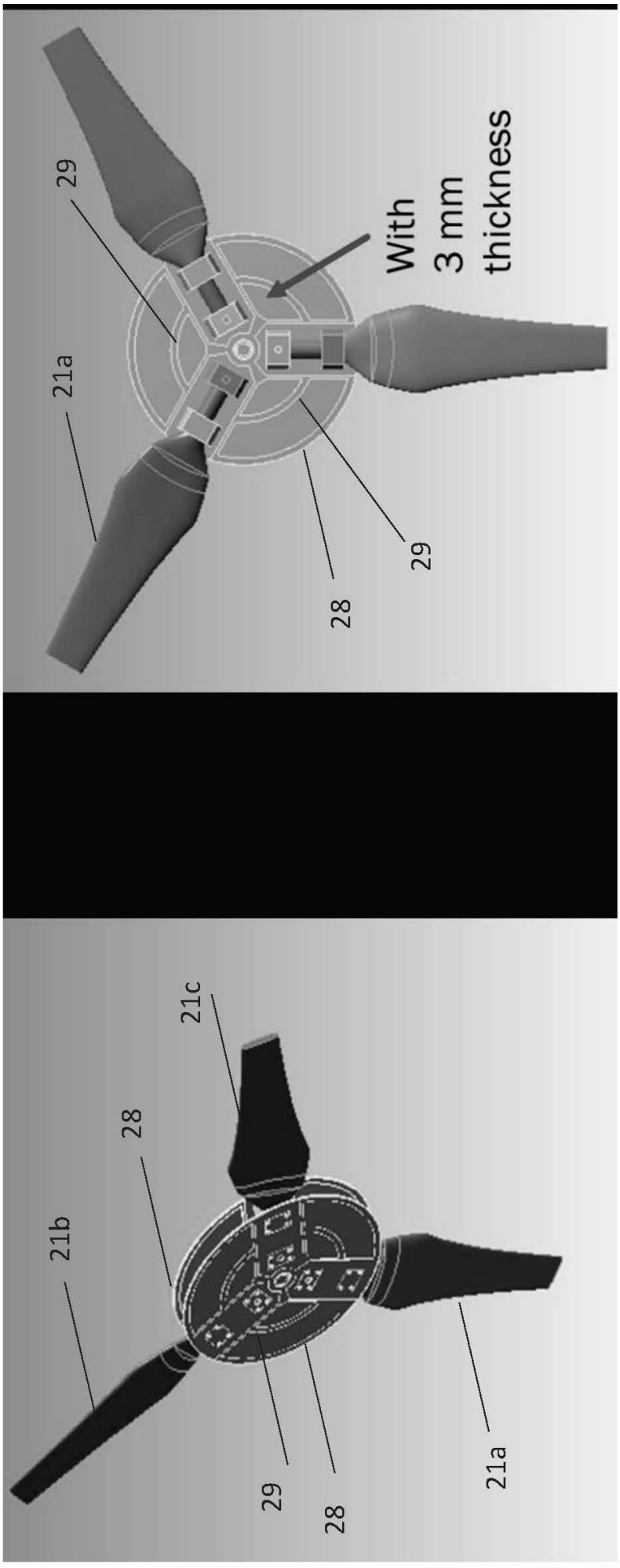


Fig. 5

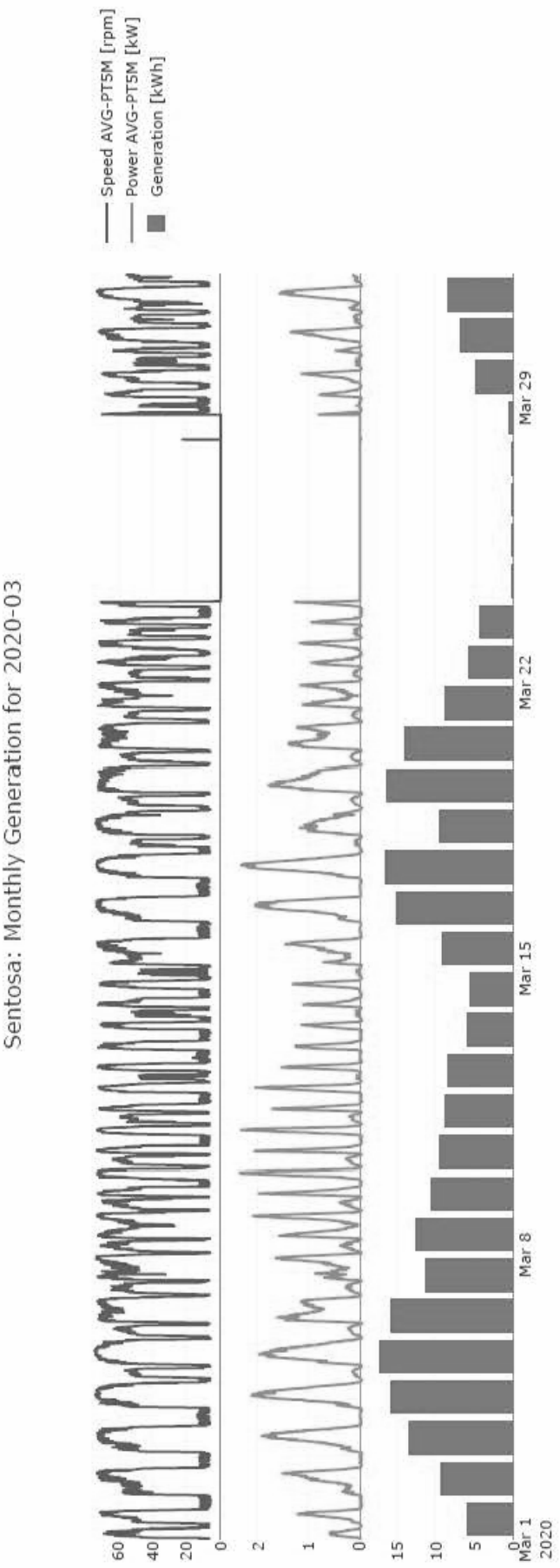

Sentosa: Monthly Generation for 2020-03
Speed AVG-PT5M [rpm]
Power AVG-PT5M [kW]
Generation [kWh]
60
40
20
0
2
1
0
15
10
5
0
Mar 1
2020
Mar 8
Mar 15
Mar 22
Mar 29

Fig. 6

Direction	Velocity (m/s)	RPM	2m diameter rotor		
			Torque (N m)	Power (W)	Thrust (N)
Upstream	2.5	125	903.7	11829	10723
	2	100	578.3	6055	6863
	1.75	87.5	442.8	4056	5255
	1.5	75	325.3	2554	3861
	1.25	62.5	225.9	1478	2681
	1	50	144.6	758	1716
Downstream	2.5	125	900.2	11783	11155
	2	100	576.1	6032	7139
	1.75	87.5	441.1	4040	5466
	1.5	75	324.1	2544	4016
	1.25	62.5	225.1	1472	2789
	1	50	144	755	1785

Fig. 7