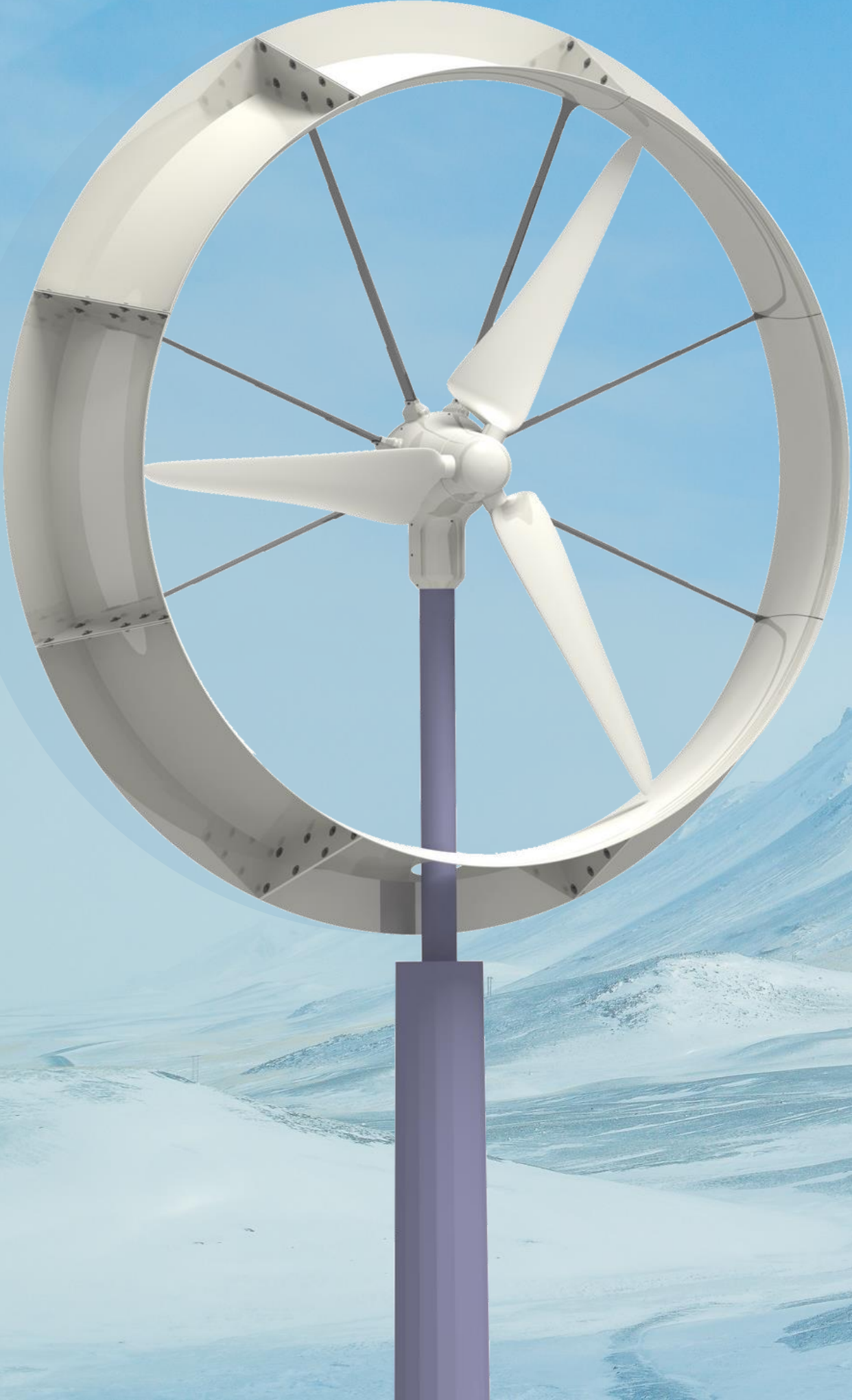


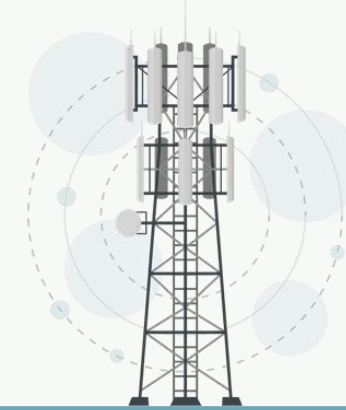
A small-scale shrouded wind turbine with a white circular shroud and three white blades, mounted on a purple pole. The background is a vast, flat, arid landscape with snow-capped mountains under a clear blue sky.

MISTRAL

Small Scale Shrouded Wind
Turbine

momentum

Off-Grid Base Stations



Energy need from Diesel Generators in Off-Grid Base Stations



High Operational Costs



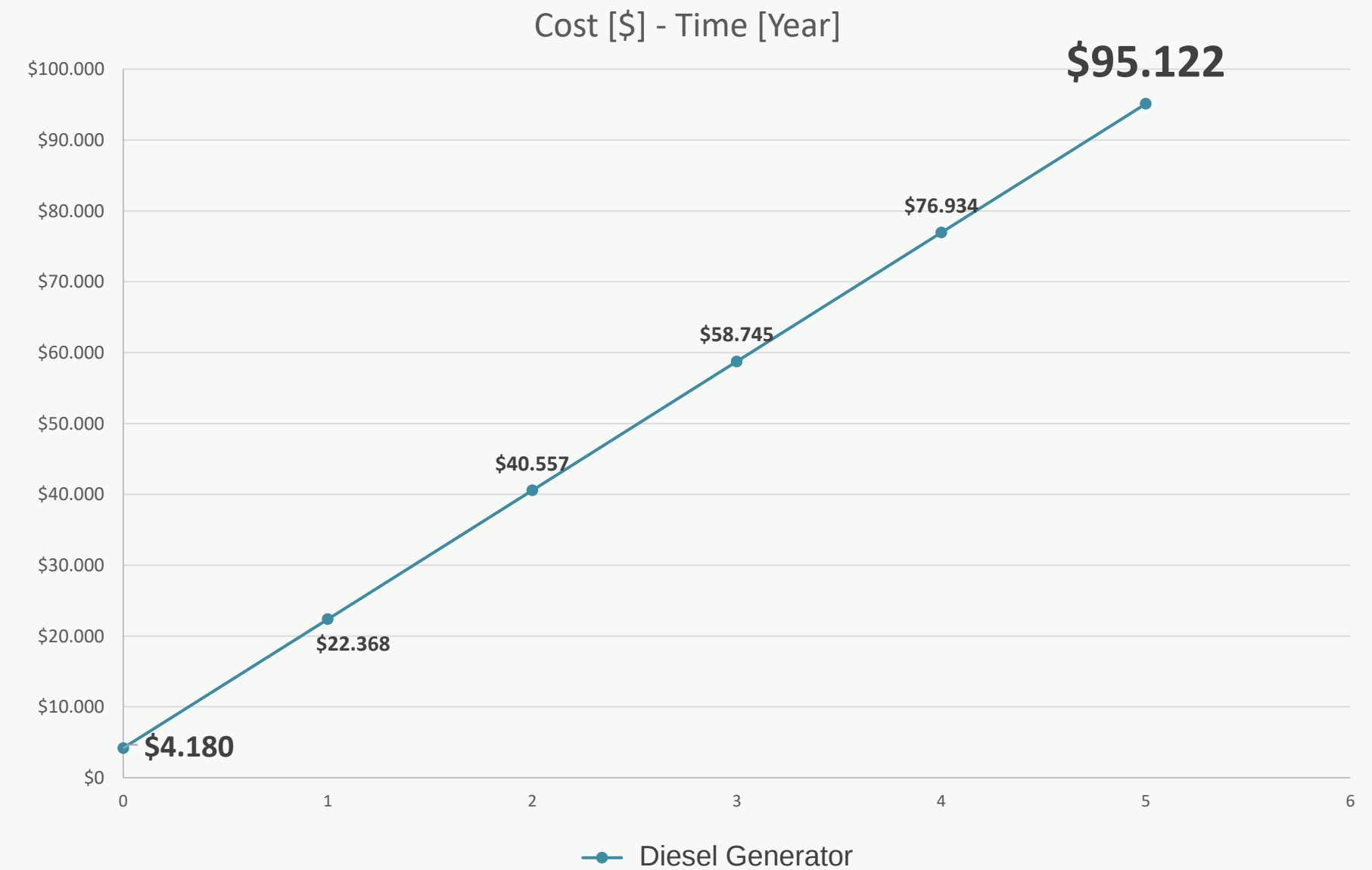
Maintenance Costs



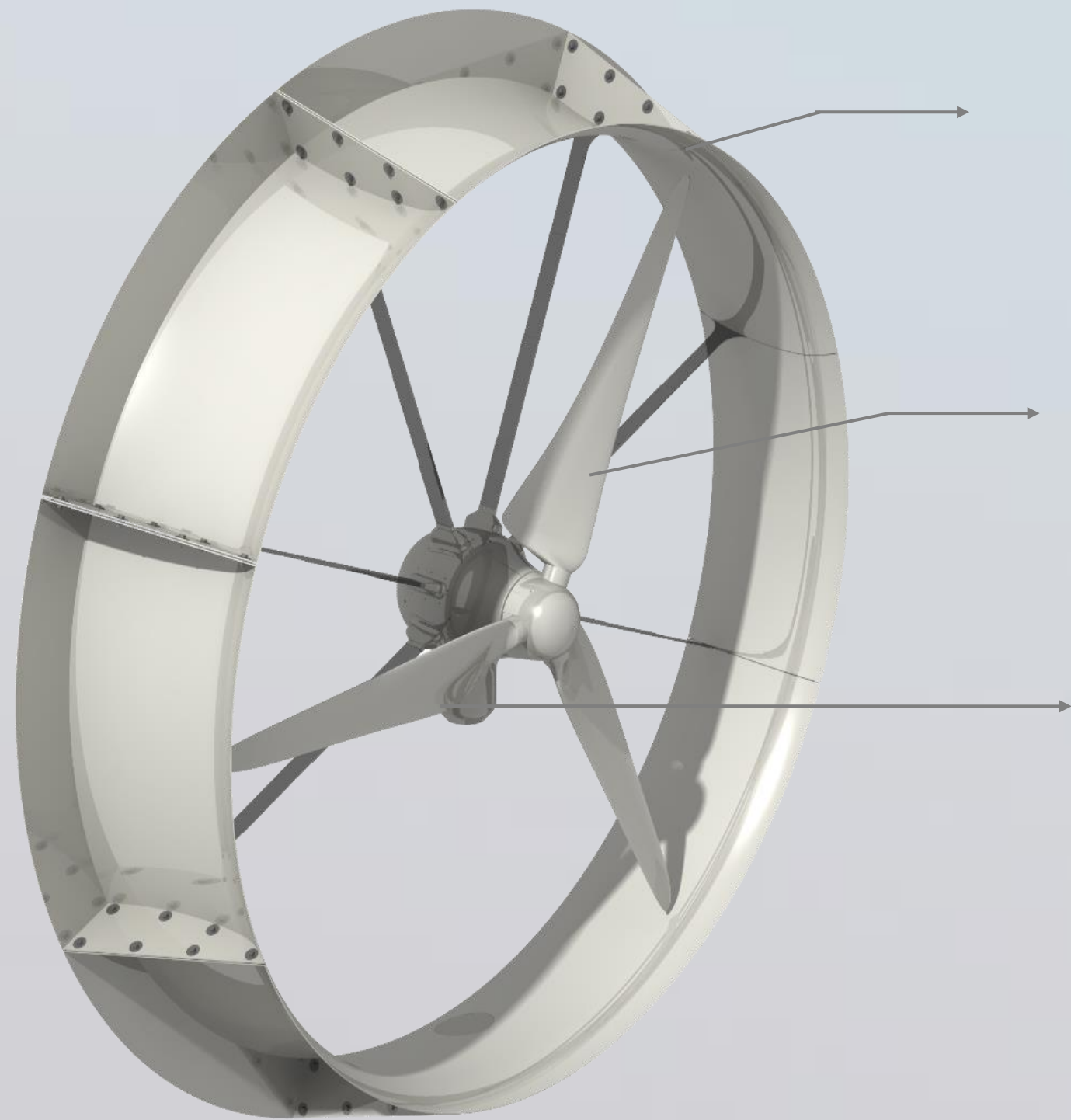
Variable Fuel Costs



Logistics Costs of Fuel



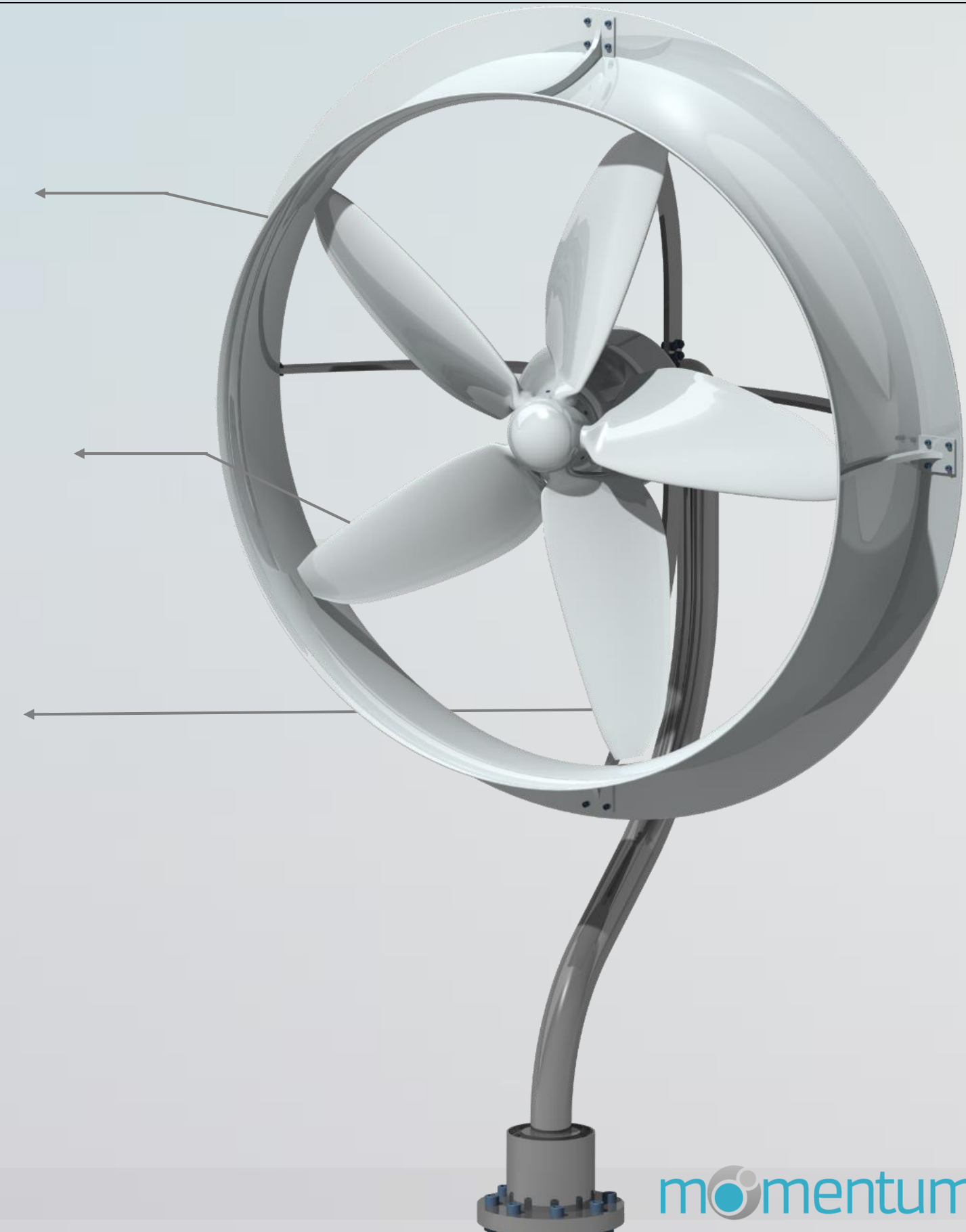
Small Scale Wind Turbine



Unique Shroud

Unique Blade
Geometry

No Gearbox
(Direct Drive)



Our Advantages



~3X Increase
in Output
Power



Optimum
Efficiency in
Low Speeds



20+ Years
Design
Life Cycle



Maintenance
Free



Reduced Noise
Level
35 dB

7



Affordable
and Clean
Energy

11



Sustainable
Cities and
Communities

12



Responsible
Consumption
and
Production

13



Climate
Action

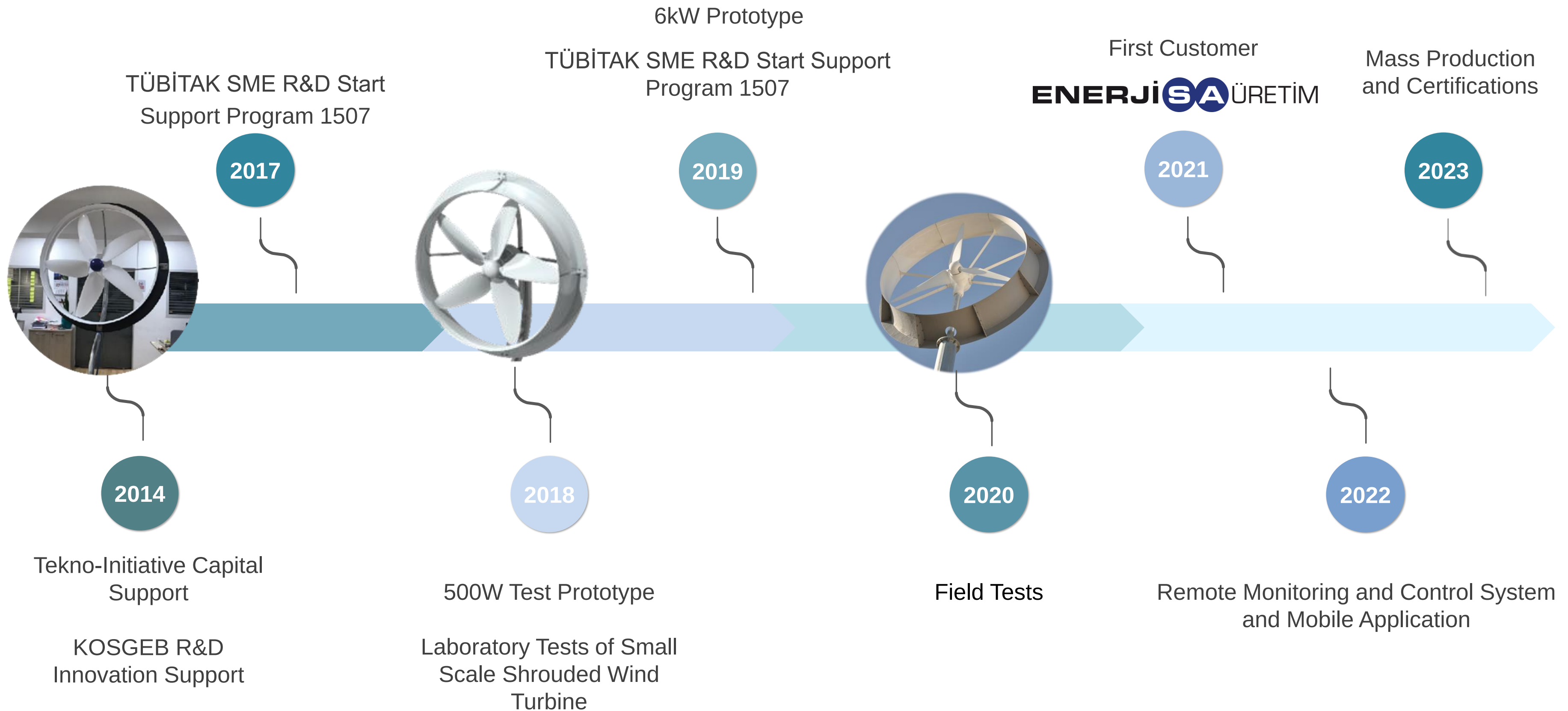
15



Life on
Land



Milestones & Achievements



Customer Segment

Mobil Operators | Off-Grid Base Stations

In the World

1 M Off-Grid Base
Stations

\$30B

Target Market

In 3 Years \$18M
(with %4 market share)

In Turkey

15 K Off-Grid Base
Stations

\$450M

Energy Needs of Base Stations
(3G → 4.5G → 5G)

2 Karayel for Each Base Stations
GSMA «Green Power for Mobile»

Side Segments

- Radar Stations
- Meteorology Stations
- Radio-TV Broadcasting Stations
- Border Posts
- Municipalities
 - Road Lighting
 - Parks and Gardens
 - Facility Self-Consumption Needs

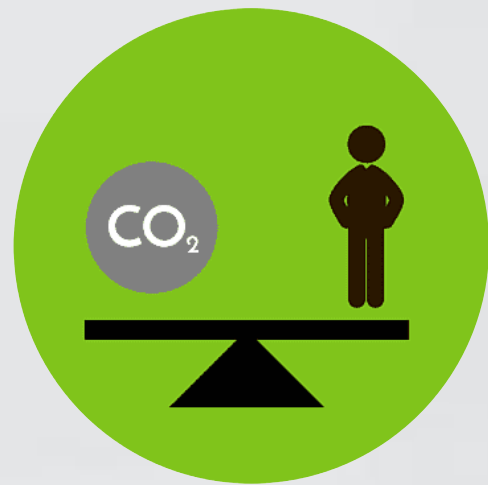


- Green Buildings
- Fuel Stations
- Detached Houses
- Agricultural Fields
- Farmhouses
- Workshops and Factories
- EV Charging Stations

'Go To Market' Strategy



Total Advantages



Distribution Channels

- Current Connections
- Exhibitions and Activities
- Future Connections



Distributors
Solution Partners



Revenue Model



Current State

- ✓ Direct Selling
- ✓ Market Segmentation



Post Investment

- ✓ Subscription Based Model
- ✓ Charging Electricity Bill to Consumer



Penetration Strategy



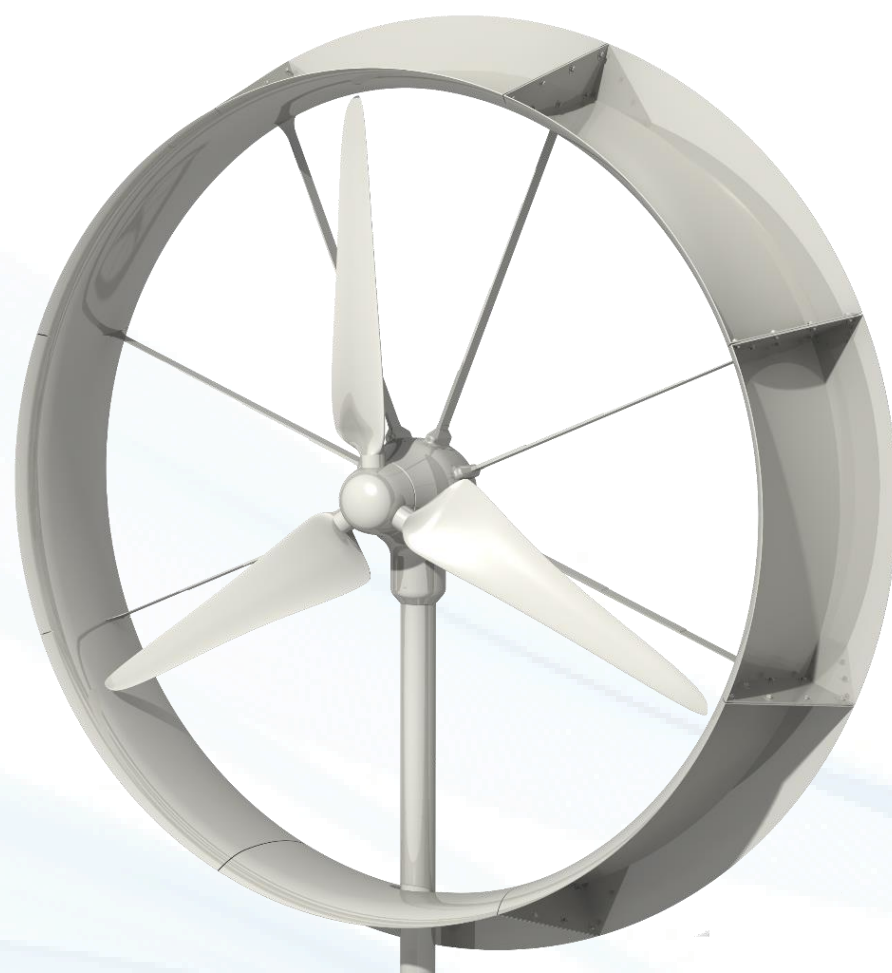
%16

- Standardization
- Direct Export
- Dealership to Tower Companies
- Fairs and Activities

Competitors of Karayel



Our New Generation Competitors



	KARGYEL	Venturicon 3.Zero	Hyland 920	Halo
Diameter (m)	2.7	1.9	0.92	3.7
Installed Capacity	6 kW	3.2 kW	650 W	6.5 kW
Cut-In Speed (m/s)	2.65	2.5	2.8	2.5

Our References



Team

Rahmi Erdem YILDIZ

CEO

10+ Years Experience

Mechanical Engineer (BSc, )

Aerospace Engineering (MSc, )



Abdurrahman EKİNCİ

CTO

5 years Experience

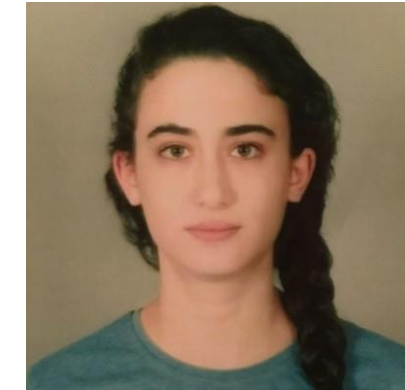
Aerospace Engineer (BSc, )



Mehmet Ali ERKAN

Aerospace Engineer

Aerospace Engineer (BSc, )



Ş. Sümeyye CAN

Mechanical Engineer & Physics Student

Mechanical Engineer (BSc, )

Karayel



Karayel



Thank You!

Rahmi Erdem YILDIZ

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