



Airborne Wind Turbine

Zoey Smolka & Maeve Yandell

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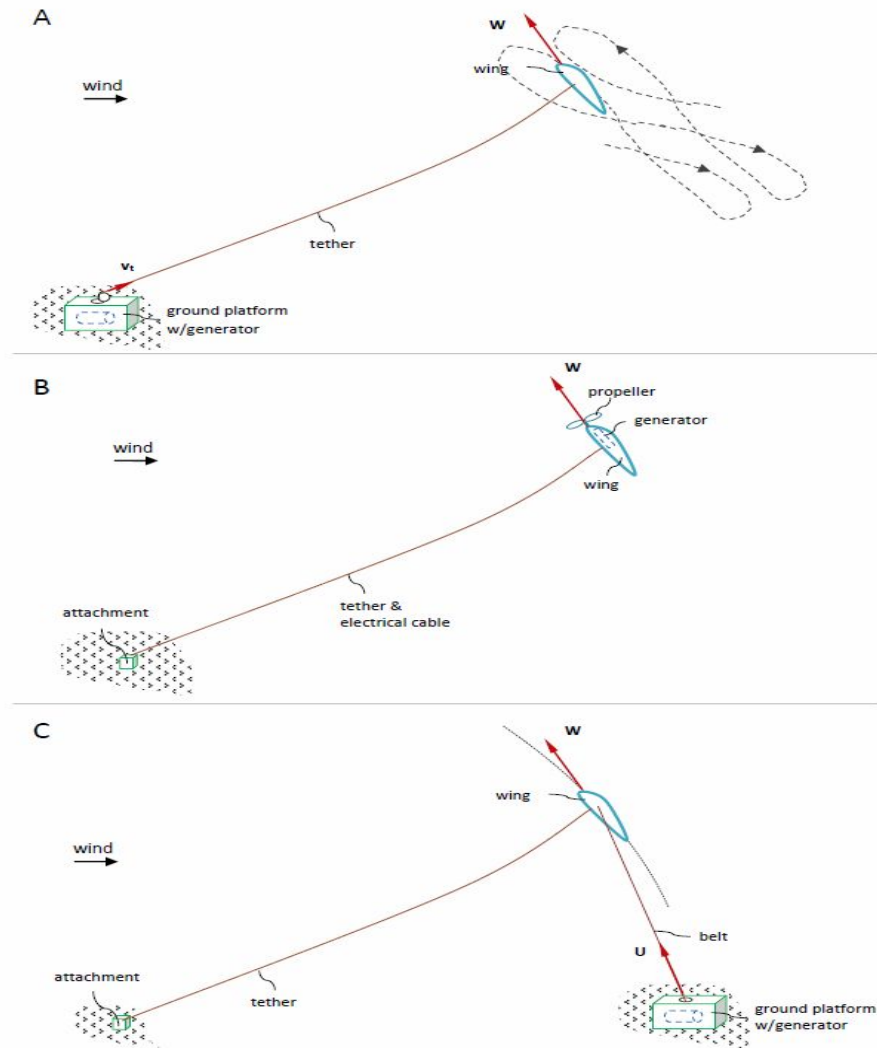


History - Who & When it was Conceived

- 1930s german engineer Hermann Honnef first speculated about the physics
- The concepts “tethered airfoil” as a way to generate power was created in the late 1970s.
- Number of companies has increased sense 2000s
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Possible prototypes of an airborne wind turbine -



Plan and Implementation - Who or What it will Impact

- Several companies have made and tested prototypes in the last decade
- Different approaches have been made as to the design
- Long term ideas include personal power sources



Pros of the Airborne Wind Turbine

Leaves more land access

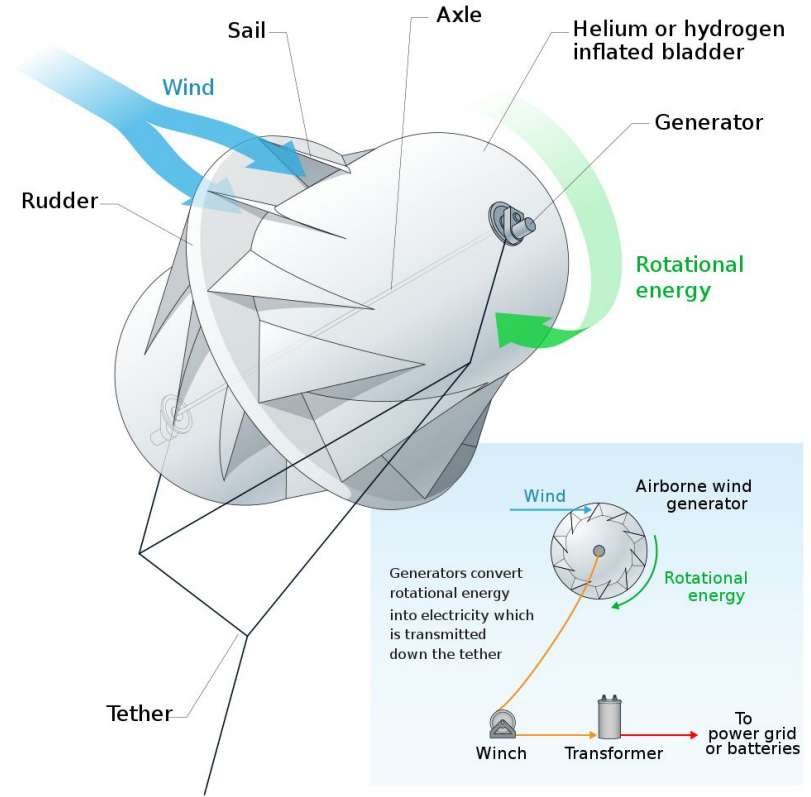
No cost of tower construction

Able to reach stronger wind power

Gives people high paying jobs

Clean and renewable way to get power

Benefits local communities





Cons of the Airborne Wind Turbine

Difficult to suspend and maintain turbines safely

Interference with Aviation

Noise and vibrations can disturb wildlife

It is dangerous for workers

Can be expensive



Summary

After researching Airborne wind turbines the pros are greater than the cons; they have many potential benefits for the environment, economy, and power industry. While it's still uncertain if this technology will be fully implemented it has potential to be successful.



References

[Wind Energy Facts](#)

[Wind Energy and Environmental Impacts](#)

[Airborne wind energy](#)

[Potential of High Altitude Wind Energy and Hurdles](#)

[History of Airborne Wind Turbines](#)

End.

