

Shooting Star

Green transportation between floating
islands (Composite environmentally friendly
power ship)



introduction:

The problem of climate change is becoming more and more serious. In addition to building floating islands, we also need to reduce the carbon emissions of CO₂!

Table of contents:

1. Composite environmentally friendly power ship

What types of ships and hulls does a hybrid power ship consist of?

2. Key points for building a composite environmentally friendly power ship

What is the structure of a composite power ship?

3. Conclusion

Explain what the thing we just discussed is made of



Composite power boat



Construction Highlights

- ◆ Key Summary: Material Selection

- Composite Materials:

- Commonly use fiberglass and carbon fiber.

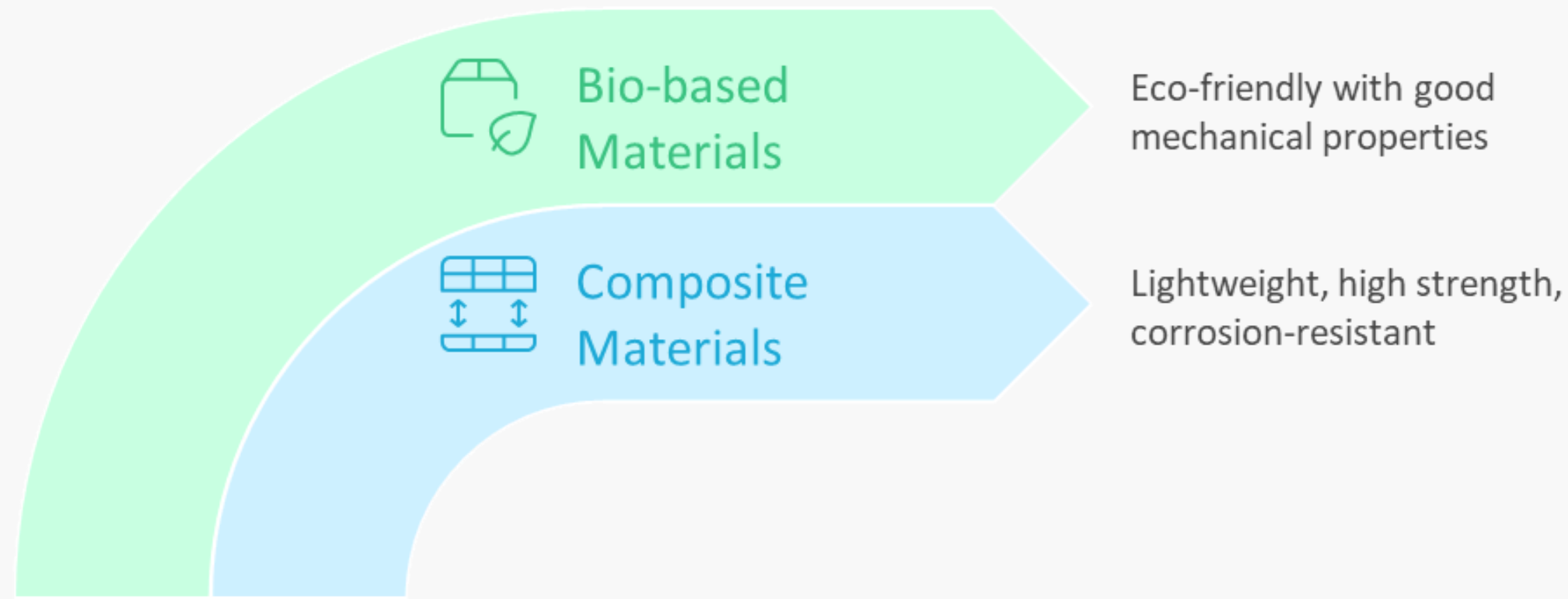
- Features: Lightweight, high strength, corrosion-resistant.

- Bio-based Materials:

- Use bio-resins and natural fibers.

- Features: Eco-friendly with good mechanical properties.

Overview of Material Selection



Construction Highlights

1.Hull Construction (Sandwich Structure)

- Lightweight core material (foam or wood) sandwiched between two composite layers.
- Features: reduces weight and enhances structural strength.

2.Cold Molding

- Does not require high-temperature curing.
- Suitable for small-scale or custom boat production.

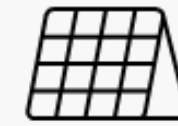


Construction Highlights

Solar Power System Integration – Key Points

- Solar Panels:
 - Optimize installation angle and position
 - Use adjustable mounts for efficiency in varying conditions
- Battery Storage:
 - Use deep-cycle batteries
 - Ensure proper capacity and charging efficiency

Renewable Energy System Components



Solar Panels

Optimize installation angle and position for maximum sunlight capture. Use adjustable mounts for efficiency in varying conditions.



Battery Storage

Use deep-cycle batteries for reliable energy storage. Ensure proper capacity and charging efficiency for optimal performance.

Construction Highlights

4. Safety and durability

Wind and wave resistant design: When designing a composite boat, its performance in bad weather must be taken into consideration. Strengthened structures and proper material selection can improve the boat's ability to resist wind and waves.

Maintenance and inspection: Regular inspection and maintenance of the hull and its systems are key to ensuring safety and extending service life. In particular, special attention should be paid to waterproofing and corrosion prevention of composite joints and electrical systems.



Conclusion



Sailboat

Hybrid Eco-Friendly
Power Vessel



solar boat



Model Materials



Ship Model



Linkit 7697



Sail Surface



SG90



Solar Panel



Waterproof
DC Motor



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Thank you
everyone

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