

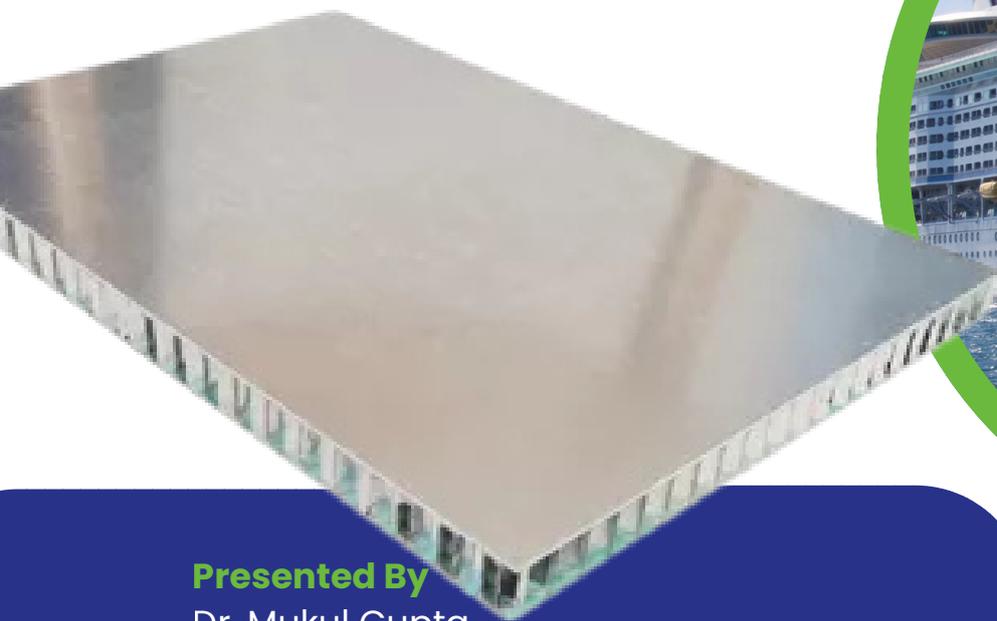


Ecoearth Solutions Private limited

Ecocomb™ Aluminium honeycomb core and sandwich panels

Ecomex™ Aramid Paper Honeycomb Core and Sandwich Panels

Marine Application

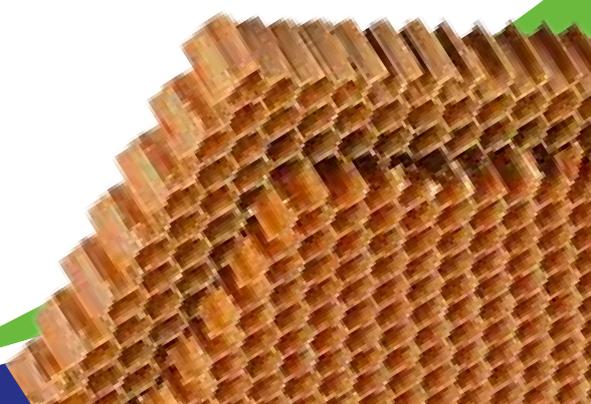


Presented By
Dr. Mukul Gupta



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2025



About Us

Company Overview

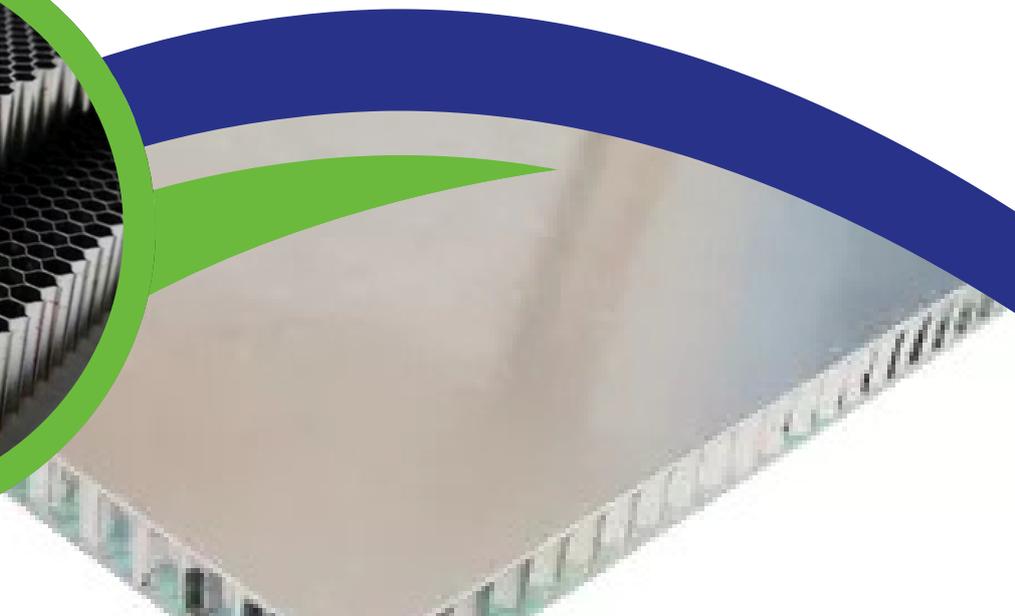
EcoEarth Solutions leads in innovation, crafting sustainable, lightweight, and fire-safe honeycomb panels through its flagship products **Ecocomb™** and **Ecomex™**. As India's only manufacturer of honeycomb cores and advanced composite honeycomb sandwich panels, as well as stone panels, our eco-friendly products serve the aerospace, marine, construction, and transportation industries—blending performance with safety for a brighter future. With over 10 years of expertise, we continue to set benchmarks in the industry.

Our Vision

To be the leader in manufacturing sustainable advanced composites and lightweight structures through innovation and uncompromising quality.

Our Mission

To deliver innovative, eco-friendly aluminum honeycomb solutions with a commitment to quality, strength, sustainability, and the spirit of 'Make in India'.



Our Solutions

Products



Ecocomb™ Aluminium Honeycomb Core

lightweight yet exceptionally strong core material



Ecocomb™ Aluminium Honeycomb Core panels

They offer high strength, low weight, and excellent durability.



Ecomex™ Aramid Paper Honeycomb Core

lightweight, durable, and corrosion-resistant panels ideal for high-performance

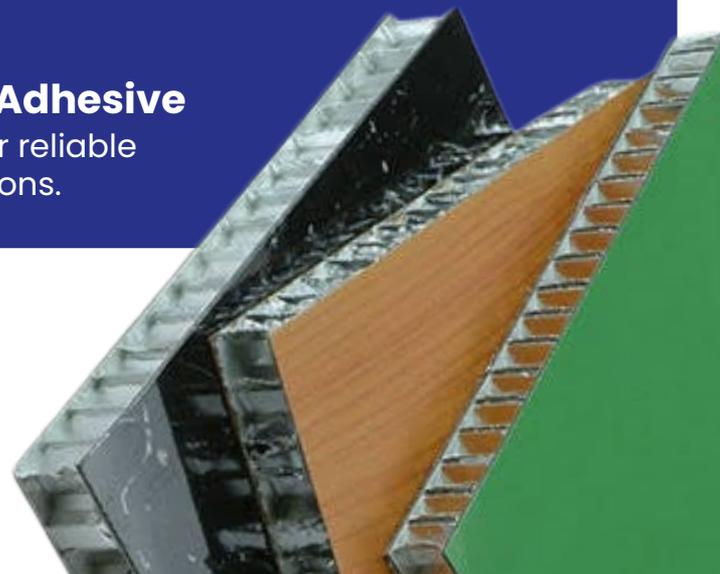


Ecomex™ Aramid Paper Honeycomb Core Panels



Remiloc – Structural Adhesive

Strong, durable bonding for reliable marine structural applications.



Technology & Innovation

Panel Specifications

Ecocomb™ and Ecomex™ panels are engineered using precision-expanded aluminium honeycomb cores and aramid paper honeycomb cores, both sandwiched between high-strength, pre-coated or laminated skins. This advanced construction provides an exceptional strength-to-weight ratio, superior fire resistance, corrosion protection, dimensional stability, and long-lasting durability.

These qualities make Ecocomb™ and Ecomex™ the ideal solutions for demanding marine applications where performance, safety, and reliability are essential.

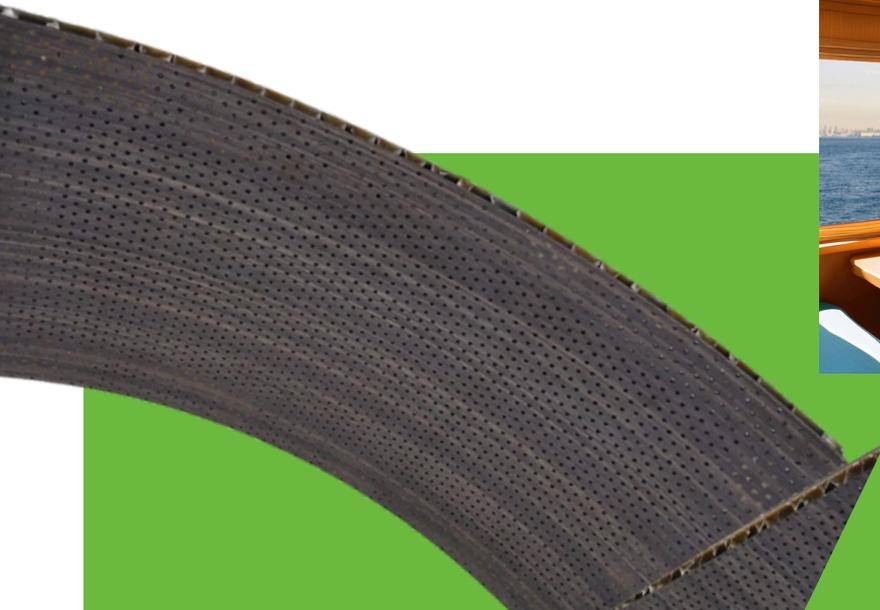


Ecocomb™ aluminium honeycomb sandwich panels and Ecomex™ aramid paper honeycomb panels can reduce weight by up to 90% compared to solid metal sheets, while maintaining comparable structural strength.

CABINS

Ecocomb™ and Ecomex™ were established to enable Ecoearth Solutions Pvt. Ltd. to seamlessly integrate cabin design and manufacturing into its broader shipbuilding and construction operations. This strategic development brings together technical expertise and industry experience, reinforcing Ecoearth Solutions Pvt. Ltd. as a comprehensive and capable player in the marine sector.

Ecoearth Solutions specializes in the design, renovation, and turnkey delivery of cabin solutions for both newbuilds and refurbishment projects, ensuring high-quality, efficient, and compliant results.



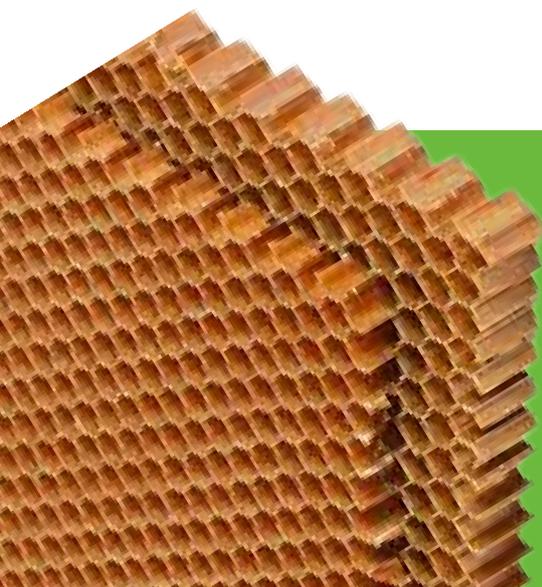


Ecoearth Solutions Private limited

Wet Units

At Ecoearth Solutions Pvt. Ltd., through our specialized brands Ecomcomb™ and Ecomex™, our honeycomb panel systems are engineered to deliver the optimal balance of performance and functionality. They are designed to reduce weight, ensure complete watertightness, resist water, humidity, and corrosion, and support easy cleaning with minimal maintenance.

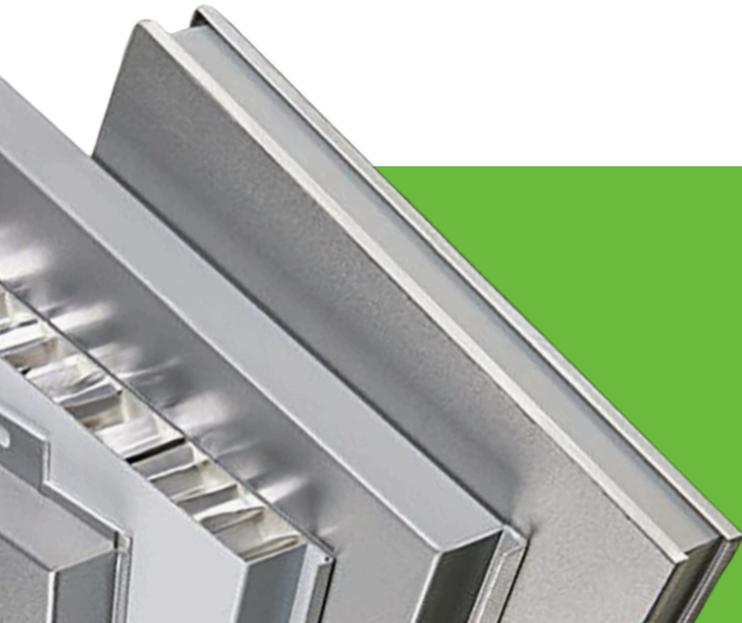
All components and surface finishes used by Ecoearth Solutions are IMO-certified, adhering to the highest standards of marine safety and compliance.



Public areas

Ecoearth Solutions Pvt. Ltd., through Ecocomb™ and Ecomex™, delivers innovative honeycomb panel solutions for public areas in marine environments. These panels offer excellent strength-to-weight ratio, water and corrosion resistance, and easy maintenance—ideal for high-traffic marine spaces.

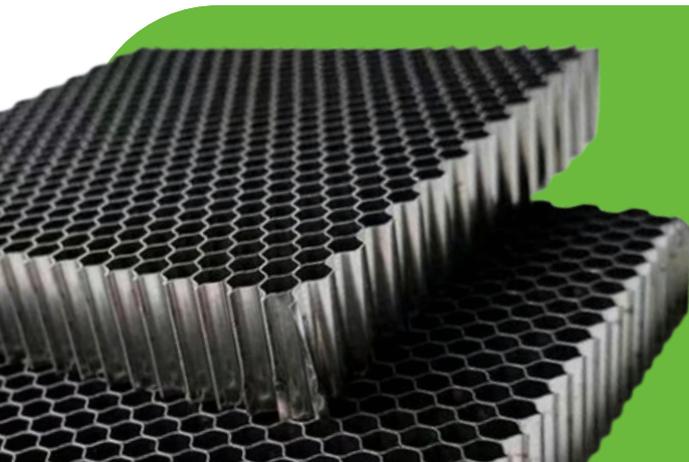
Marine Interiors uses IMO certified materials to outfit lounges, corridors, dining, and recreational areas with turnkey precision



Exteriors

Ecocomb™ and Ecomex™ were developed by Ecoearth Solutions Pvt. Ltd. to extend their expertise into marine exterior applications—seamlessly integrating exterior outfitting with ship design. This strategic expansion strengthens the company's position as a full-spectrum provider in the shipbuilding industry.

Ecoearth Solutions offers durable, lightweight, and corrosion-resistant solutions for marine exteriors, including wall cladding, decking, and structural panels. Engineered for harsh marine environments, these systems ensure long-term performance, easy maintenance, and full compliance with IMO standards.



Customize joineries and profiles

Customized joineries and profiles are available for Ecocomb™ and Ecomex™ panels, ensuring seamless integration and precision fit for marine, aerospace, and architectural applications.



Why Choose Us



IMO – SOLAS Certified Type Approval

safety and compliance in marine environments.



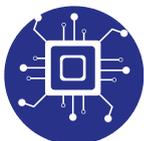
Proven Expertise

10+ years in advanced composite and honeycomb manufacturing.



Tailored Solutions

Custom designs to meet diverse industry requirements.



Cutting-Edge Technology

Precision-engineered panels for superior quality.



Sustainable & Strong

Lightweight, eco-friendly, and high-performance solutions



Ecoearth Solutions Private limited

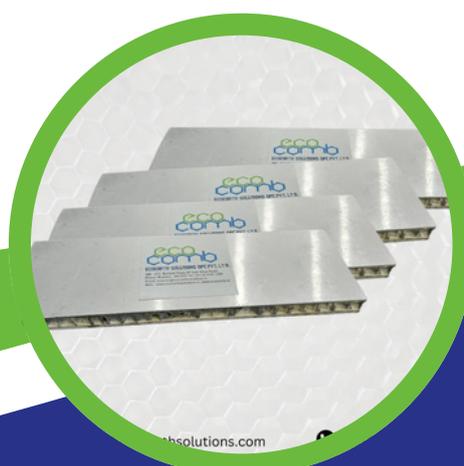
Sustainability Impact

Renewable Energy Contribution

By integrating our manufacturing processes with renewable energy sources and promoting materials that are fully recyclable, we actively contribute to a cleaner energy cycle. This approach not only reduces reliance on fossil fuels but also supports global efforts toward a sustainable, low-carbon future.

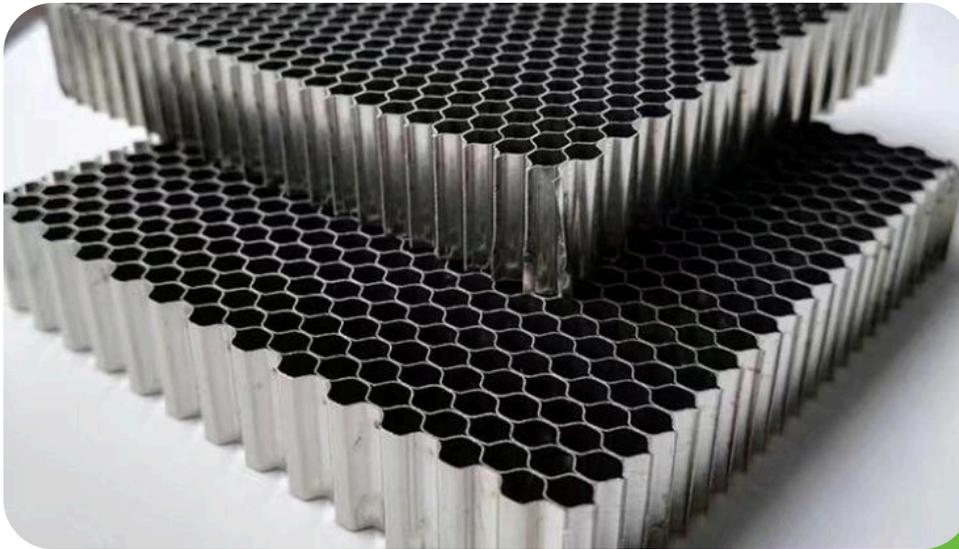
Carbon Footprint Reduction

Our lightweight aluminium honeycomb panels require less energy for transport and installation, reducing greenhouse gas emissions. With high durability and a long service life, they minimize the need for replacements, cutting material waste and conserving resources – ultimately lowering the overall carbon footprint.



ecoearth.com

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