



Revolutionizing Transportation  
Connectivity and Building a  
Sustainable Future

CLEARPORT WORLDWIDE

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# About Us

- Clearport Worldwide is leading the way in future-proofing infrastructure with sustainable resources.
- We are a pioneering company, uniting brilliant scientists, experts, and strategic partnerships to shape the future.
- Our technology is a disruptive force in the transportation sector, ready to meet the challenges of tomorrow.
- Our innovative material is available today for roads, bridges, highways, commercial, industrial, and residential applications.





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# Our Why

- We are on a mission to create multimodal transportation connectivity within minutes of where people work, play, and live.
- Our goal is to enhance our quality of life by reducing noise and environmental pollution.
- Create more local jobs, higher wages and strengthen communities



# Challenges we face

Expensive raw materials requiring frequent repairs and replacements.

Poorly insulated buildings.

Future demands:

Roads capable of handling heavier commercial vehicles for commerce

Stronger bridges that don't freeze in cold weather.

Roads that can charge EV technology while vehicles are in motion.





# Our Solution

- Our innovative product can be blended with Portland cement and composite materials, doubling the average weight supported on road surfaces.
- We deliver unmatched strength, with over 10,000 psi compared to the typical 4,000 psi of an average road.
- Our technology efficiently melts ice, freezing rain, and snow on road surfaces using minimal voltage.
- It can be easily applied through spray coating or blended during production to reinforce existing infrastructure.
- We are working on plans to eventually enable electric vehicle charging while in motion, transforming highway sustainability.







# Legacy Infrastructure

- Highways and bridges are deteriorating due to age, increased weight, and corrosive chemicals.
- Our proprietary solutions provide an affordable and effective means of strengthening existing infrastructure, inspired by technology used in our sister company's aircraft of the future.

# Future Proof Legacy Infrastructure

Our proprietary materials not only eliminate icy road surfaces without toxic chemicals or expensive equipment but also double the strength of roads.

We are committed to eventually enabling electric vehicle charging without the need for extensive infrastructure overhauls, contributing to a zero-carbon footprint.



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# The Future of Everything...

## Our vision encompasses:

- Seamless connections for local communities with point-to-point access.
- Smart highways with double the road surface strength.
- Seamless integration of air taxi locations into rural communities.
- Fully dedicated smart roadways for fully self-driving semi-trucks.
- Charging stations for hydrogen and electric vehicles.
- Public transportation access.
- Vertiport access for EVTOL aircraft.







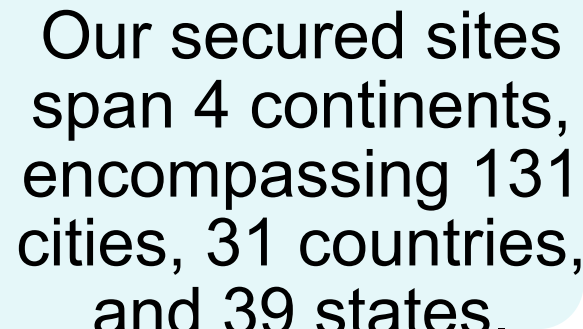
# Global Asset Base

We have established a global asset base, strategically located in venues with high foot traffic, making them prime transactional customers.

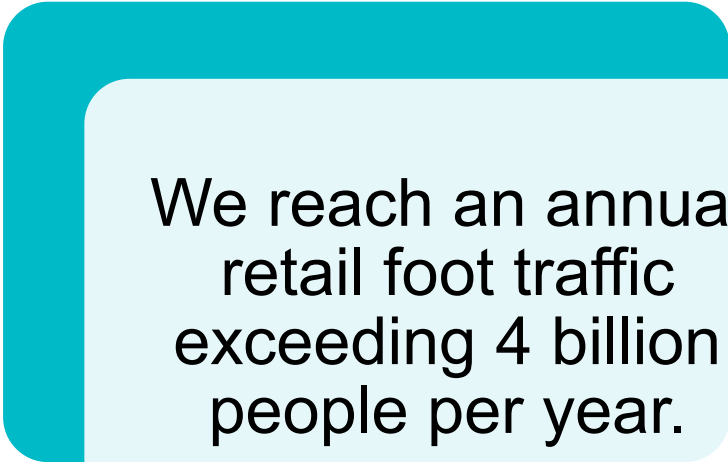
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# Location Footprint



Our secured sites span 4 continents, encompassing 131 cities, 31 countries, and 39 states.



We reach an annual retail foot traffic exceeding 4 billion people per year.



# Revolutionary Strength & Sustainability

*Astonishing strength enhancement,  
improved environmental footprint, and  
reduced cost:*

- ✓ Increase strength by 80-100%.
- ✓ Negate corrosion.
- ✓ Reduce cure time.
- ✓ Reduce environmental impact of concrete.
- ✓ Increase R-value.
- ✓ Improve crack control.
- ✓ Allows for use of non-potable water.
- ✓ Reduce concrete coverage.
- ✓ Use local aggregates.
- ✓ Reduce Portland cement requirement. (???)
- ✓ No ambient temperature control required.
- ✓ \*When used in conjunction with non-metallic reinforcement.\*



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# Savings in Clinker Production

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Utilizing graphene to supplement clinker 30%-50%.

SeaMix® aims to reduce clinker by up to 90%.

Graphene production from bio-mass waste:

Biochar – source of carbon.

Hydrogen – can be used as power in production.

Oxygen – medical grade.

Production of SeaMix® is a low-energy process.

Hydrogen produced during graphene production can be recycled for clean clinker production.

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# Savings in Cement Binders

*SeaMix® as a binder*

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Cheaper. Cleaner. Stronger.

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Basalt fibers: An advanced form of slag. Lower environmental impact compared to steel.

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SeaMix® includes aragonite: A naturally occurring mineral with low environmental impact. Enhances the mechanical performance of concrete.

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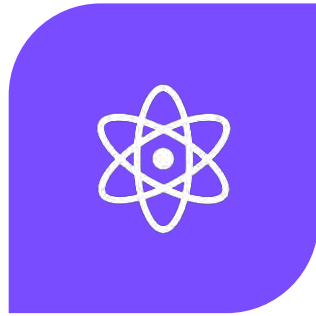
# Efficiency in Concrete Production

*Utilization in local materials*

- Waste stream materials
  - Local aggregate.
  - Can use recycled aggregate and concrete.
  - In conjunction with BFRP, can use non-potable waters.
  - Graphene properties increase workability of concrete.
  - Graphene protects metal components within concrete.
  - Acts as a natural corrosion inhibitor.
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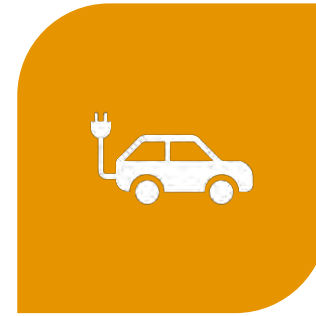
# Carbon Capture Utilization Storage



- IN OUR GRAPHENE PRODUCTION,  
WE CAPTURE CARBON AT A LEVEL  
2X OTHER GRAPHENE  
MANUFACTURING PROCESSES.



- OUR PRODUCTION PROCESS,  
USING  $\text{TiO}_2$  AND GRAPHENE,  
ABSORBS  $\text{CO}_2$  AND RELEASES  
OXYGEN WHEN EXPOSED TO UV  
RAYS.



- SEAMIX® IS DESIGNED TO WORK  
EFFECTIVELY WITH EXISTING  
CARBON CAPTURE  
TECHNOLOGIES.

# Decarbonization of Electricity



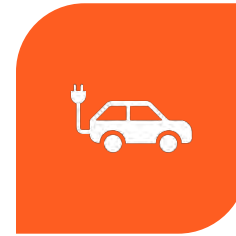
THE UTILIZATION OF SEAMIX® WITH NON-METALLIC REBAR REDUCES CONCRETE COVERAGE, LOWERING LONG-TERM ELECTRIC DEMAND.



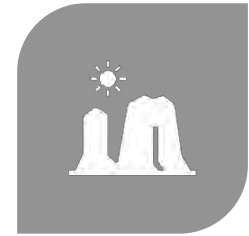
SEAMIX® PRODUCTION IS NOT ENERGY-INTENSIVE.



REDUCING CLINKER REQUIREMENTS REDUCES THE POWER DEMAND PROFILE OF CONCRETE.



HYDROGEN PRODUCED DURING GRAPHENE PRODUCTION CAN BE USED FOR ENERGY, REPLACING FOSSIL FUELS.



BASALT PRODUCTION IS LESS ENERGY-INTENSIVE THAN OTHER FIBERS OR STEEL.

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# Concrete for the Future

- Design with stronger and longer-lasting concretes.
- Dramatically reduce cure time, leading to faster build cycles.
- Use non-metallic rebar to reduce weight and improve safety.
- Negate corrosion.







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# Projects in Motion

## *State Park*

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# Projects in Motion

## *SeaMix®*

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# Projects in Motion

## *Townhouse*

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# Thank You

- Thank you for exploring the revolutionary potential of Clearport Worldwide technology.
- Together, we can build a stronger, more sustainable future.

[www.clearportworldwide.com](http://www.clearportworldwide.com)

