



PLATFORM FOR HYDROGEN PRODUCTION FROM
WASTE HYDROCARBON-DERIVED PRODUCTS



PROPOSAL

GFH2 MARITIME. FROM WASTE TO GREEN HYDROGEN

We deploy fixed and mobile platforms for the elimination of waste and the production of green hydrogen without carbon emissions from products derived from hydrocarbons such as plastic waste or fiberglass.

GFH2 Maritime represents a major breakthrough in the global effort to clean our oceans and protect our coastlines, by transforming waste into a carbon-neutral energy source, directly on board our hydrogen-generating ships or on land.

A PIONEERING AND ECO-RESPONSIBLE SOLUTION FOR PORTS.

Developed with world-renowned naval experts, our systems are designed to collect and convert plastic waste directly into hydrogen, a low-carbon fuel. This Hydrogen can be then used as a complementary clean source of energy for the port infrastructures or externally.

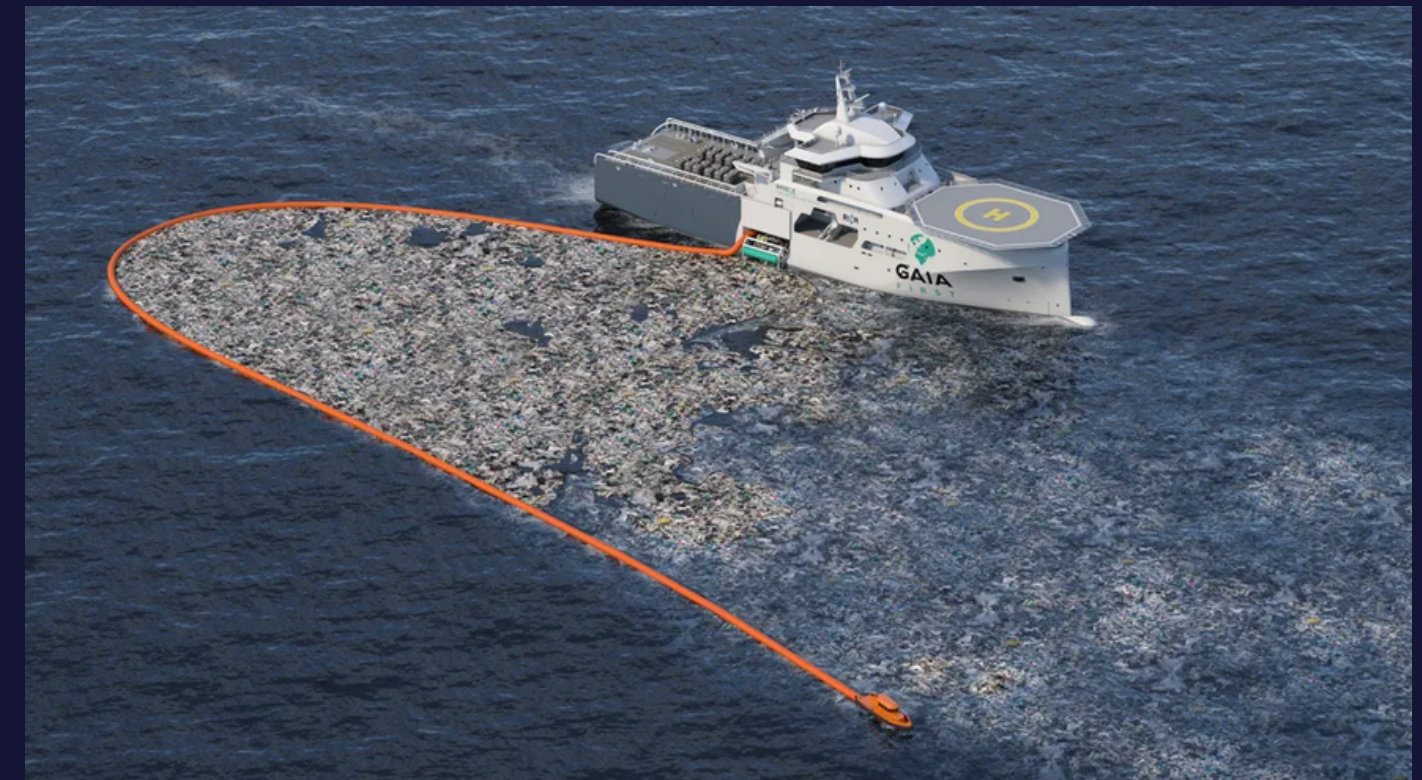
The Hydrogen generated powers all operations, allowing systems to be completely autonomous, without the need for external fueling.

Our mobile systems allow the reach of islands and isolated coastal areas preventing the repatriation of toxic wastes and reducing the carbon footprint of the operations.

A SHIELD AGAINST MARINE POLLUTION

We ensure the preservation of local ecosystems by intercepting floating plastic waste in convergence zones (plastic continents) before it reaches coastlines and/or transforms into toxic micro-plastics.

An intervention respectful of natural spaces, which aligns with your values and the preservation of your environmental heritage.



GFH2 MARITIME. AN ALLY TO THE ENVIRONMENTAL, HEALTH AND ENERGY CHALLENGES OF ISOLATED TERRITORIES AND PORTS.

A key solution for stakeholders in island and port areas looking for sustainable alternatives for waste management and the protection of their maritime environment. GFH2 Maritime's proposal embodies a complete solution, responding not only to energy challenges but also to health and environmental emergencies.

By converting waste into a valuable resource, GFH2 Maritime demonstrates how technological innovation can be harmoniously aligned with sustainable development and public health imperatives.

TOWARDS A CARBON-FREE CIRCULAR ECONOMY

Dependence on fossil fuels leads to significant financial costs and limits energy transition capabilities. Furthermore, waste processing represents a significant source of greenhouse gas emissions, up to 15% of total emissions in French Polynesia.

GFH2 Maritime innovates by offering a carbon-free circular economy by recovering and transforming waste into green Hydrogen. This technology effectively supports the energy transition and reduces dependence on imported fossil hydrocarbons.

POSITIVE IMPACT ON BIODIVERSITY AND PUBLIC HEALTH

Many isolated territories are facing health emergencies due to poor waste collection, the presence of illegal dumping and pollution from former illegal dumpsites. These problems can exacerbate the risks of diseases such as dengue, hepatitis A, typhoid and leptospirosis. In addition, the environmental emergency is palpable with fragile ecosystems threatened by pollution. By adopting a circular economy approach, GFH2 Maritime helps protect biodiversity.

This strategy also contributes to improving living conditions and public health by reducing environmental and health risks linked to poor waste management.



THE SERVICES PROVIDED BY GFH2 MARITIME ARE 100% SUSTAINABLE

With GFH2 Maritime, take part in a global initiative that combines technological innovation with a commitment to the planet.

- **Collecting and removing plastic pollution from the territorial seas.** Using cutting-edge technologies to clean waters and preserve marine life.
- **Recycling of small to medium fiberglass boat hulls.** Transformation of waste into resources, reducing the environmental impact of boating.
- **Collection and treatment land hydrocarbure waste:** Extension of our activities beyond the seas for a positive ecological impact on land.
- **Removal of Black tides, oil leaks**

ENERGY AND RENEWABLE RESOURCES:

- **Hydrogen and electricity production:** Converting waste into green energy to power communities and support sustainable development.
- **Manufacture of fertilizers (Activated Carbon):** Transformation of organic waste into nutrients to enrich agricultural soils.
- **Silicate production:** Contribution to the circular economy by transforming waste into useful construction materials.



EXTENDED SERVICES

Our commitment to innovation and sustainability drives us to constantly expand our services. By choosing GFH2 Maritime, you are choosing a partner capable of meeting a wide range of needs. GFH2 Maritime combines flexibility and comprehensive services for off-shore and land based operations, effectively meeting the specific needs of each region and providing a complete environmental solution.

GFH2 Maritime does not just meet current needs; we anticipate the future by offering scalable and customizable solutions. Our services extend beyond maritime interventions, embracing environmental and energy challenges on land.

VALORIZATION AND TRANSFORMATION OF LAND WASTE WITHOUT CARBON EMISSIONS

Installation of fixed land-based hydrogen and/or electricity production units: Our expertise in hydrogen technology allows us to design and install tailor-made energy production units, adapted to the specific needs of communities and industries.

Development of Water Production/Desalination Units: Faced with the global water crisis, GFH2 Maritime is committed to developing innovative desalination solutions. These units provide essential fresh water, supporting life and development in regions with limited water resources.



OVERVIEW OF GFH2 MARITIME SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

SOCIAL IMPACT



Ocean pollution affects millions of people who depend on fishing and aquaculture for their livelihoods. As pollution levels increase, the quality and quantity of fish and seafood declines, impacting the income and food security of coastal communities. GFH2 Maritime's ocean cleanup action will reduce pollution levels, supporting the livelihoods of these communities. Additionally, a cleaner ocean would maintain and promote tourism and recreational activities, thereby benefiting local economies and creating employment opportunities. By restoring marine ecosystems, GFH2 Maritime's solution also helps protect biodiversity and preserve cultural traditions associated with the ocean.

ECONOMICAL IMPACT



The ocean economy contributes significantly to global GDP and pollution threatens its growth. The degradation of marine resources leads to economic losses for sectors such as fishing, aquaculture and tourism. GFH2 Maritime's autonomous ocean cleaning system can reverse this trend by reducing pollution levels and restoring the health of marine ecosystems. As pollution decreases, the productivity and profitability of industries dependent on clean oceans will increase. This would lead to higher incomes, increased employment and sustainable economic growth in coastal regions. Healthier oceans are also linked to greater population resilience to pandemics and better health, helping to reduce healthcare costs.

Hydrogen production at sea will also contribute to the transition to zero-carbon maritime transport.

ENVIRONMENTAL IMPACT



Pollution, including plastic waste, poses a serious threat to marine ecosystems and the power to control climate and mitigate ocean temperatures. The European Environment Agency is reporting alarming levels of sea pollution, with plastic waste a global concern. This waste harms marine life, disrupts ecosystems and threatens biodiversity and the climate. GFH2 Maritime's ocean cleaning system would significantly reduce plastic waste, preventing further damage to marine ecosystems. By removing toxic industrial chemicals associated with plastics and the future generation of microplastics, the system also helps restore water quality, allowing marine life to thrive and ecosystems to recover.

YOUR PARTNER FOR A SUSTAINABLE FUTURE

We are convinced that each environmental and energy challenge is unique. This is why we are committed to listening carefully to your specific needs and working closely with you to develop tailor-made solutions.

With GFH2 Maritime, embark on an adventure where technological innovation meets environmental responsibility. Your participation is crucial to shaping a world where sustainability is no longer a goal, but a reality.

OUR TEAM

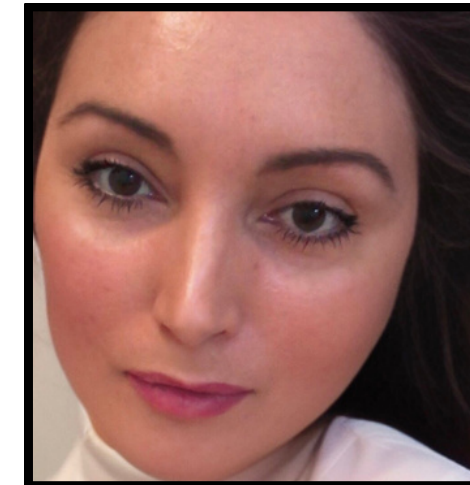


Gianni VALENTI
President & Founder

Gianni Valenti has worked for more than 15 years in business management, creation and consulting, with innovation (technical or scientific) being a key element of all projects.

A TEDx speaker, he has helped move industries and organizations towards a more sustainable way of operating.

The urgent need to tackle environmental problems pushed him to focus on finding solutions, rather than simply announcing the problem and waiting.



Johanna AUGUIN
Stratégie & International Operations
Public Relations



Capitaine Rahul DAMODARAN
Investor Relations & Marine Technology



CONTACT US

If you aim for a greener future, we can provide solution for waste management, the production of renewable energy, raw material and even pure water solutions.

Our team is ready to transform your challenges into sustainable opportunities.

For all requests

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