



Environmental Sustainability Statement

Our Vision, Our Mission and Our Commitments

The Future of Sustainable Advanced Plastic Recycling

MAY 2023

Our Vision

To create a Net Zero circular economy for plastic, where plastic pollution is eliminated and where no plastic is burned or buried.

Our Mission

To become the world's leading producer of recycled hydrocarbons from waste plastic using our breakthrough technology

Mura's Environmental Vision, from CEO Dr Steve Mahon

The way we are making, using, and disposing of plastics isn't working. Much of the plastic produced today is disposed of after just one use, with no effective system to recover and recycle all of it. Producing virgin plastic from fossil sources and burning it as waste is pumping CO₂ into our ever-warming atmosphere, whilst unrecycled plastics are piling up in landfills or worse, the oceans and the environment.

Simply put - we want to stop plastics ending up in our rivers and oceans. We want to stop plastics going to soil and into our food chain.

At Mura Technology, we see waste differently - we recognise it as a valuable resource. When deployed at scale, our unique, future-proofed plastic recycling system, **HydroPRS™**, will play a vital role in the future of our planet and our people. By capturing those plastics considered unrecyclable and diverting them into an effective closed loop system, we aim to prevent them going into rivers and oceans, landfills, the soil and ultimately the food chain – defending the natural world – planet and people.

Independent academic Life Cycle Assessments have shown **HydroPRS™** to offer significant carbon emission savings when compared to Energy from Waste - a current method of waste plastic management – whilst producing the lowest carbon hydrocarbon products when compared with other recycling technologies and fossil oil production.

We're determined to help maximise the world's advanced recycling capacity, both by building and operating facilities across global markets and by licensing our technology to experienced industry leaders.

By 2025 we aim to have 1,000,000 tonnes of annual plastic recycling capacity in operation or development globally, helping to decarbonise the chemical sector and preventing millions of tonnes of carbon from entering the natural environment.

It is our ambition to become the world's leading producer of recycled hydrocarbons from waste plastics.

S. Mahon

Principles

Mura Technology is guided by three central principles as we strive for an environmentally sustainable, circular plastic economy.

- **Principle 1:** Determine, minimise and progressively reduce environmental impacts across all of our operations.
- **Principle 2:** Maximise global recycling capacity for plastics currently considered 'unrecyclable'.
- **Principle 3:** Derive and apply scientific evidence to drive sustainability action, using independent analysis and guidance and informing global sustainability standards.



Commitments

Mura Technology is committed to:

1 Net Zero

- Diverting waste plastic destined for Energy from Waste (incineration) into recycling.
- Creating low carbon and recycled fossil equivalent, ISCC+ accredited hydrocarbon products.
- Evaluating the environmental footprint of **HydroPRS™** and benchmarking its performance against the established waste, energy and chemical sectors.
- Meeting environmental performance as determined by regulatory bodies.

2 A Circular Economy

- Infinitely recycling waste plastic into sustainable recycled hydrocarbons for manufacture of new, low carbon plastics.
- Developing feedstock supply and product offtaker relationships that sustain the circular economy and contribute to Net Zero.

3 Transparency

- Ensuring our sustainability claims are validated and certified by independent, authoritative parties.

4 Continual Improvement

- Further decarbonisation of **HydroPRS™** by reducing Scope 1, 2 and 3 emissions via a Sustainability Strategy and Action Plan:

SCOPE 1 – making process improvements to reduce direct emissions from the **HydroPRS™** process.

SCOPE 2 – reducing use of fossil resource to power the **HydroPRS™** process and increasing use of renewable resource, globally.

SCOPE 3 – working with our value chain partners to reduce emissions and carbon footprint of future plastic products.

Alignment

Mura Technology's aspirations align with:



United Nations' Sustainable Development Goals [↗](#)



WWF's 10 Principles for Chemical Recycling [↗](#)



Mura aims to contribute to Target 9 by:

- Upgrading existing partner infrastructures and supply chains to retain previously unrecyclable materials in a circular economy.
- Delivering proven, low carbon, new recycling technology on a global scale, reducing environmental impacts and contributing to Net Zero.



Mura aims to contribute to Target 12 by:

- Delivering an infinite recycling process for waste plastics, processing these materials into low carbon hydrocarbon feedstocks, increasing recycling rates and reducing solid waste and pollution.
- Reducing fossil oil demand by substituting virgin fossil hydrocarbons with recycled hydrocarbons.
- Enabling countries to recycle waste plastics that were previously exported, aligning with Basel Convention outcomes.



Mura aims to contribute to Target 13 by:

- Globally scaling our technology with the ability to reduce CO₂ emissions by c. 1.8 tonnes per tonne of waste plastic processed – a significant carbon reduction when compared to Energy from Waste (incineration, a current method of waste plastic management), whilst entering plastic into a circular economy and retaining resources.
- Delivering low carbon circular hydrocarbon products by improving process efficiencies and use of renewable energy for subsequent HydroPRS™ sites, decarbonising the materials value chain.