MURA TECHNOLOGY

Environmental Sustainability Statement

Our Vision, Mission and Commitments

The Next Generation of Advanced Plastic Recycling

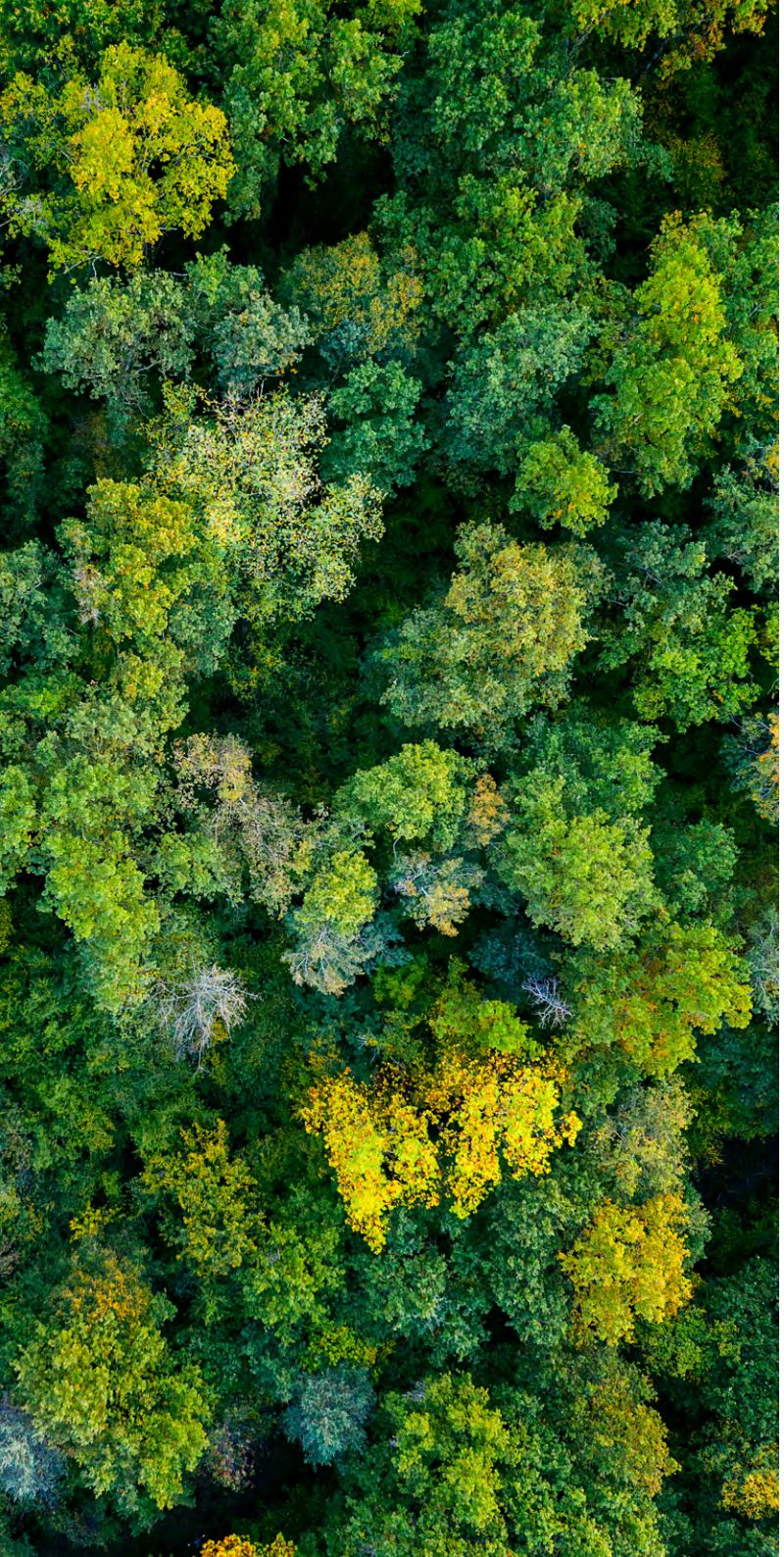
AUGUST 2025

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 circular hydrocarbons made from waste plastic using our breakthrough technology **Hydro-PRT®**.



Mura's Environmental Vision, from Mura's CEO Dr Steve Mahon

The way we are making, using, and disposing of plastics isn't working. Producing plastic from fossil sources and burning it as waste is pumping CO_2 into the atmosphere, whilst unrecycled plastics are piling up in landfills, the oceans and the environment.

At Mura Technology, we see waste plastic differently. We recognise it as a valuable resource – not one to be burned or buried – that can be recycled as part of a circular economy via our unique hydrothermal plastic recycling process, **Hydro-PRT®**. This industrial scale technology turns previously 'unrecyclable' waste plastic materials – such as post-consumer, multi-layered flexible and rigid mixed waste streams – into circular hydrocarbons, replacing the need for fossil resource.

Independent academic Life Cycle Assessments (LCAs) have shown **Hydro-PRT®** to offer significant carbon emission savings when compared to Energy from Waste (incineration) - a current method of waste plastic management – whilst producing circular hydrocarbon products with the lowest carbon footprint when compared with other advanced recycling technologies and fossil oil production.

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

By 2032, we aim to have 1,500,000 tonnes of annual plastic recycling capacity in operation or development, helping to decarbonise the chemical sector and preventing millions of tonnes of carbon from entering the natural environment.

It is our mission to become the world's leading producer of circular hydrocarbons made from post-consumer waste plastic using our breakthrough technology, **Hydro-PRT®**.

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 PLUS accredited circular hydrocarbon products.
- Evaluating the environmental footprint of **Hydro-PRT®** and benchmarking its performance against the established waste, energy and chemical sectors.
- Meeting environmental performance requirements as determined by regulatory bodies.

2 A Circular Economy

- Recycling waste plastic into sustainable circular hydrocarbons for the 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 **Hydro-PRT®** 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 **Hydro-PRT®** process.

  SCOPE 2 – reducing use of fossil resource to power the **Hydro-PRT®** 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, circular 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 CO_2 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 **Hydro-PRT®** sites, decarbonising the materials value chain.