



Mura Technology & Snohomish County

Planning An Advanced Manufacturing and Plastics Recycling Facility, For A Plastic-Neutral And Sustainable Future

Mura Technology has announced the development of a new advanced manufacturing and plastics recycling facility in the City of Arlington, Washington. This facility, through its unique yet proven process, will help convert waste plastics destined for a landfill or incineration into high-valued commodities – thereby reducing carbon emissions and plastic pollution in the natural environment.

- **Mura’s advanced manufacturing and recycling facility reduces the requirement for fossil resource in the production of new plastic.** It is estimated that 1.5 tons CO2 emissions are saved per ton of plastic processed via advanced recycling in comparison to incineration. This advanced recycling process also means that even previously ‘unrecyclable’ plastics can become recyclable.
- **The facility is planned to employ 55 full-time employees directly employed by the plant and process approximately 130,000 tons of commercial plastic recycling annually,** which would otherwise have ended up in landfills, incinerated or polluting our natural environment. There will be other jobs supported through local vendors and related suppliers.
- **This project will use Mura Technology’s hydrothermal upgrading technology, an advanced recycling process for a plastic-neutral and sustainable future.** Using simple hot, pressurized water, Mura can convert waste plastic back into the chemicals and oils from which they were made. The company currently has similar advanced recycling projects under development or construction in the UK, USA, Germany, and Asia.
- **Mura is committed to working with the local community and all stakeholders in this development process and throughout its ongoing operations,** and the company plans to be a strong member of the Arlington and Snohomish County communities.

Mura Technology: Striving for a Plastic Neutral Society

The effects of plastic pollution are global; from microplastics in the food chain to landfill leakage, the lack of effective recycling solutions creates a circular pollution problem. Mura strives for a #plasticneutral approach, which comes from developing a circular plastics economy. By moving away from the traditional linear model of create-consume-dispose to one of create-consume-recycle, Mura will:

- Convert plastics destined for landfill or incineration into the environment into valuable products
- Reduce the requirement for fossil resource in the production of plastic, as part of the decarbonization agenda
- Extract value from waste plastic, that would have otherwise been lost
- Allow plastic to remain a part of our everyday lives, with a strong recycling model to ensure its after-use

By achieving the above, our world can become #plasticneutral – continuing to use a product that has so many benefits, whilst ensuring it is responsibly managed.

Environmental Benefits of Mura’s Process

Alongside diverting plastic away from polluting the environment, Mura’s technology represents significant overall environmental benefit, which include:

- Reducing plastic pollution of the natural environment
- Initial independent studies estimate 1.5 tons CO2 emissions saving per ton of plastic processed via advanced recycling when compared to incineration
- An increased scope of recyclable plastics, including those classed as ‘unrecyclable’
- A reduction on fossil sourced feedstock for the manufacture of new plastics
- Minimal waste is produced- impurities (colorants, additives, fillers etc.) in the plastic feedstock fall out into the heavier hydrocarbon feedstocks, which can be used in construction.

For More Information, Contact Mura Technology at enquiries@muratechnology.com

Learn more about Mura’s technology and environmental benefits at: muratechnology.com/plasticneutral