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Mura Technology

Abstract – Speaking Position at Nova-Institut Conference, 20-21st November 2024

Mura Suggested Speaker: Dr Geoff Brighty, Head of Sustainability and R&D

Mura Technology have developed Hydro-PRT, a hydrothermal advanced recycling process capable of recycling post-use waste plastic back into the chemicals and oils from which they were made, producing recycled feedstock for the manufacture of virgin-grade plastic. Hydro-PRT is complementary to traditional mechanical recycling, targeting feedstocks that include multi-layered, post-use flexible and rigid plastic packaging that would otherwise go to incineration, landfill or escape into the environment.

Mura aims to be seen as a leading provider of recycled oils suitable for the EUs circular value chains. Mura is positioned to help the EU meet its targets due to the ability to scale, decarbonise the waste, energy and chemicals sectors, and support the circular economy and EU Green Deal – and ultimately aims to secure a favourable policy position towards chemical recycling.

Mura's speaker Dr Geoff Brighty will evaluate the impact of the barriers to scaling supply, and what policy measures will be transformational for the sector from the recycling technology viewpoint. The presentation will also highlight new research that underpins the market-leading sustainability credentials of the Hydro-PRT process, including a 40,000ktpa carbon emissions saving at its first Hydro-PRT site in Teesside, UK, alongside the strong market demand for Mura's products in the EU to meet regulations mandating future levels of recycled content in plastic products.