

## Title: Shell's Plastic Circular Economy

Abstract for Advanced Recycling Congress on 14-15 November 2022 in Cologne

By. A.J. Joossen, Business Opportunity Manager Chemicals Rheinland

### Abstract

Shell has the ambition to have one million tonnes of plastic waste as circular feedstock into the process plants by 2025. To support this ambition Shell is ramping up the capacities with several projects around plastic waste pyrolysis to provide it's Rheinland steam cracker with up to one-third of circular feedstock in the form of pyrolysis oil. This is a simultaneous development with the decision to shutdown the crude distillation unit at the Wesseling site in 2025, to transform the former refinery into an energy and chemicals park, based on sustainable feedstocks instead of fossil products (crude oil). The steps and technology base for the pyrolysis and upgrading will be presented, probably together with our licensor and partner BlueAlp.