

Flagship: Circularity of plastics and non-fossil energy carriers

My research group focuses on understanding waste plastic/biomass from the micro- to the macro-scale using experimental data as an input for our research. This approach allows us to improve the design of our processes, while reducing the impact of non-desirable constituents within these materials that could harm upstream and downstream operation. Based on this approach we are able to upscale processes from simulation level to laboratory scale.

Making an efficient use waste plastic/biomass will not only allow us to produce several products from one source but also provide solutions to regions where waste plastic/traditional biomass has severe health and environmental consequences.

About Luis Cutz

Luis Cutz is Assistant Professor at the Department of Process & Energy at the 3ME faculty. He develops thermochemical technologies to convert waste materials into new raw materials or biofuels. These products can serve for power generation, transport purposes, horticultural applications, sensors and a source to manufacture new polymers



Contact details:

[+31 15 27 85797](tel:+31152785797)

Luis.Cutz@tudelft.nl

Room 34b.K-1-140