

BioBTX – PETRA Circular Chemicals

*Eu Framework Programme for R&I - Innovation Fund
Synergies Workshop*

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Overview & Background of iCAREPLAST by BioBTX

BioBTX was part of the Horizon2020 project iCAREPLAST – Integrated Catalytic Recycling of Plastic Residues Into Added-Value Chemicals

Goal of the project: **Development of chemical recycling technology of mixed plastic waste into drop-in chemicals (BTX)**

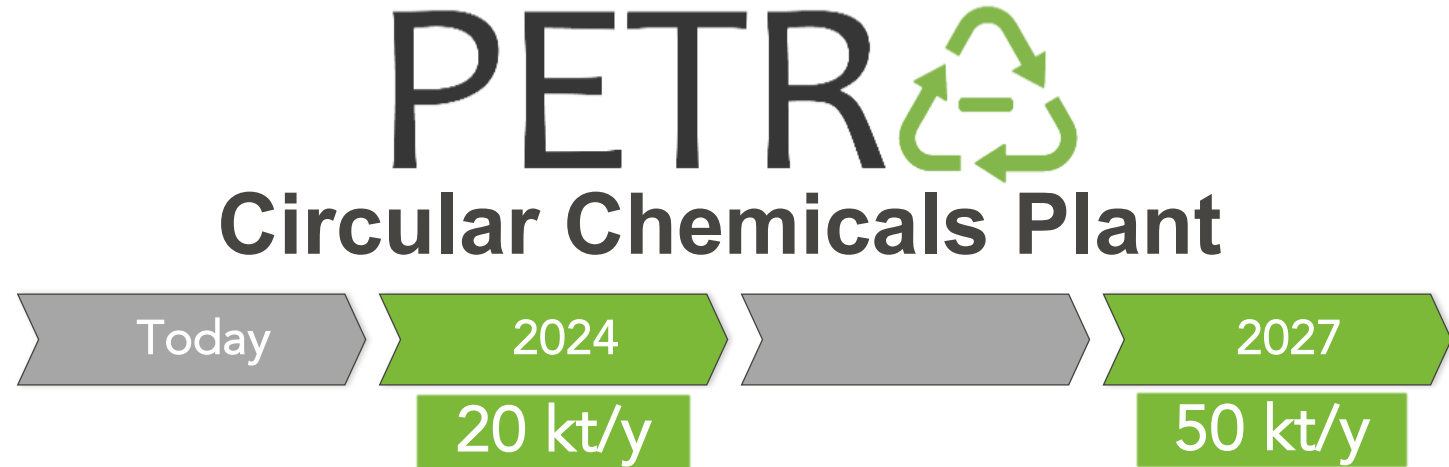
What is the main output/achievement of the R&I project?

- Scaling to pilot plant scale production of circular BTX out of mixed plastic waste
- BioBTX involved in technology development and production of renewable chemicals

Deployment Prospects

- *What is required for the next stage of implementation of this new technology?*

Goal: **Demonstration** plant proving the technology at **commercial scale**



What is needed: Scaling the technology to commercial scale in combination with **allocating the funds** needed while **mitigating the risks**.

Deployment Prospects

- *Why the Innovation Fund is a suitable tool and opportunity to support the path to reaching deployment phase?*

The chemical industry is at the center of the **European green deal**

The circular economy as pathway to **securing critical raw materials** which are essential to **strategic value chains**

The innovation fund is a suitable tool as it **supports CAPEX intensive** projects for new **sustainable technologies**

Deployment Prospects

- *What do you envisage will be the main challenges in promoting the R&I output to deployment (via the Innovation Fund)? How will these challenges be addressed?*

Main challenge is scaling the technology to commercial scale in combination with allocating the funds needed and mitigating the risks. -> *All very capital intensive!*

BioBTX is currently actively working on a consortium consisting of

- Strategic partners
- Debt financing
- Non-dilutive funding – **Innovation Fund Possibility**

...to realize the **world first** non-fossil **Aromatics plant!**

Thank you

Tijmen Vries

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