

# ChemPET

## FOR PET DEPOLYMERIZATION

To break down PET plastic waste, Saipem has developed ChemPET, its solution for chemical recycling **based on Garbo's glycolysis technology**. ChemPET can valorize PET-based waste that is not mechanically recyclable and that today is incinerated or landfilled. **PET is converted back into its starting building block**, the monomer BHET, which is then purified and reprocessed into new PET.

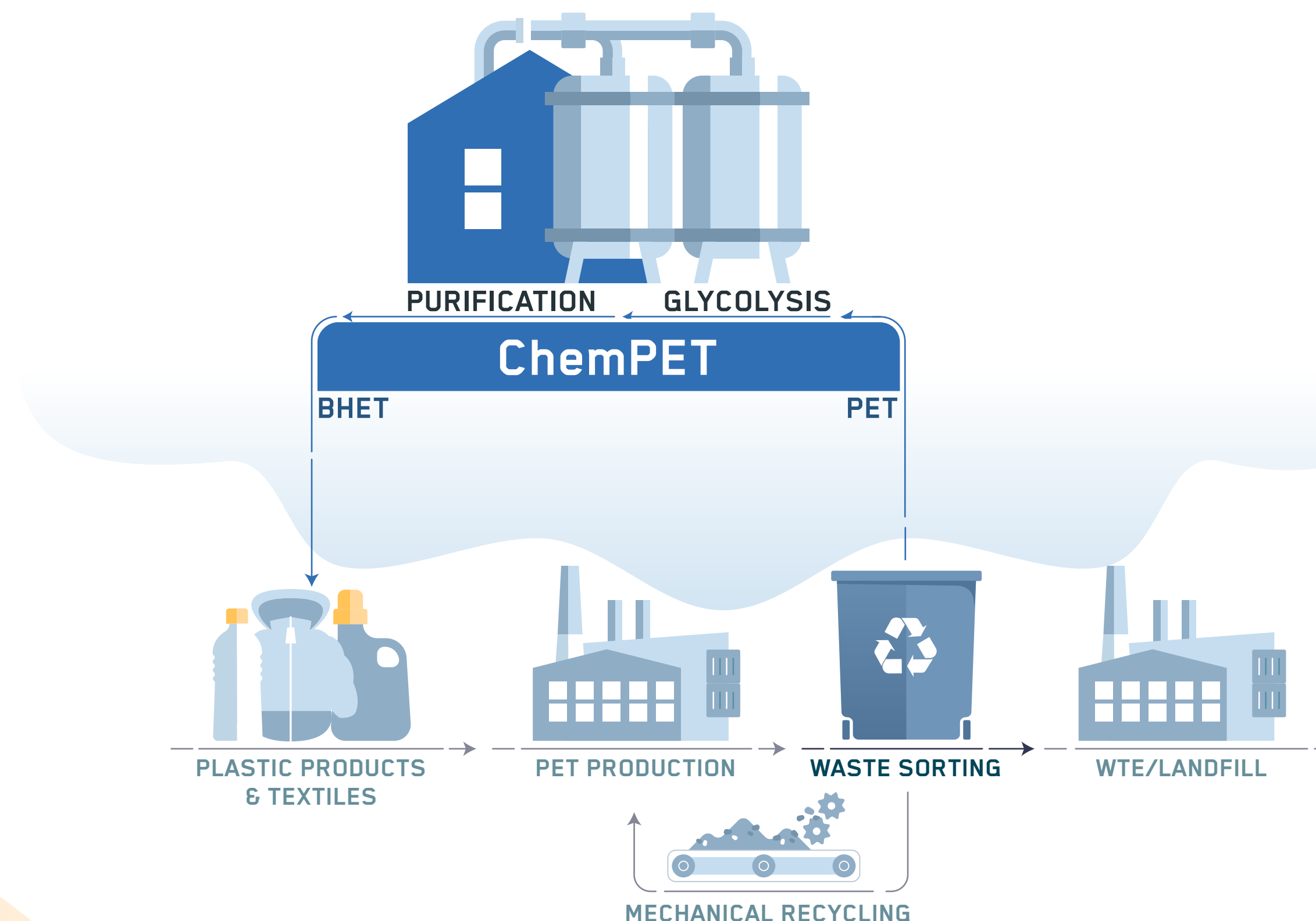


### SAFE AND SIMPLE PROCESS

- Mild operating conditions
- No runaway reactions
- Limited extent of hazardous classified areas
- Low gas/liquid hydrocarbons inventories
- No harmful emissions, no hazardous solvents

### INDUSTRIALIZED PRODUCT

- Optimized engineering and execution schedule
- Supply chain ready
- Available for third-party licensing



### HIGH EFFICIENCY FOR MAXIMIZED YIELD

- Packaging and textile feedstock enabled
- High BHET quality, for virgin-like PET production
- Minimize losses of BHET and MEG
- Complements mechanical recycling boosting circular economy
- Maximum material recovery

### ROBUST TECHNOLOGY

- Continuous pilot plant operations
- Extensive test campaigns
- Several tons of BHET produced
- Available for clients feedstock testing

