

**RITTEC:
Empowering circularity**

**Bringing revolPET®
technology to market**

Milestones reached, milestones to come

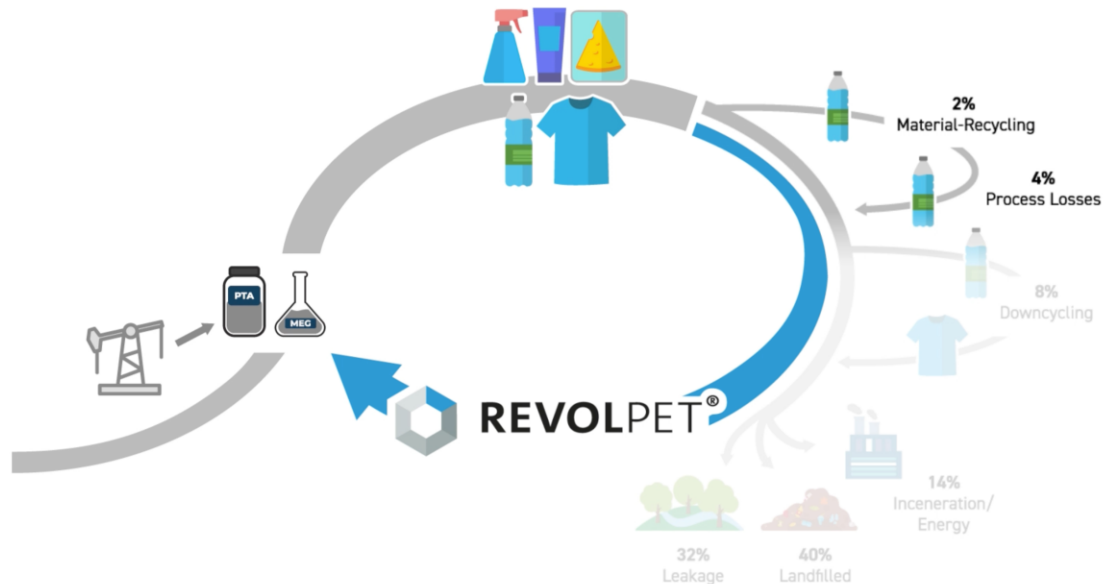
Carsten Eichert

**Petcore - 2023 PET CHEMICAL RECYCLING:
DEPOLYMERIZATION WEBINAR**



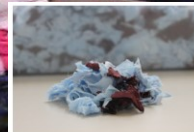
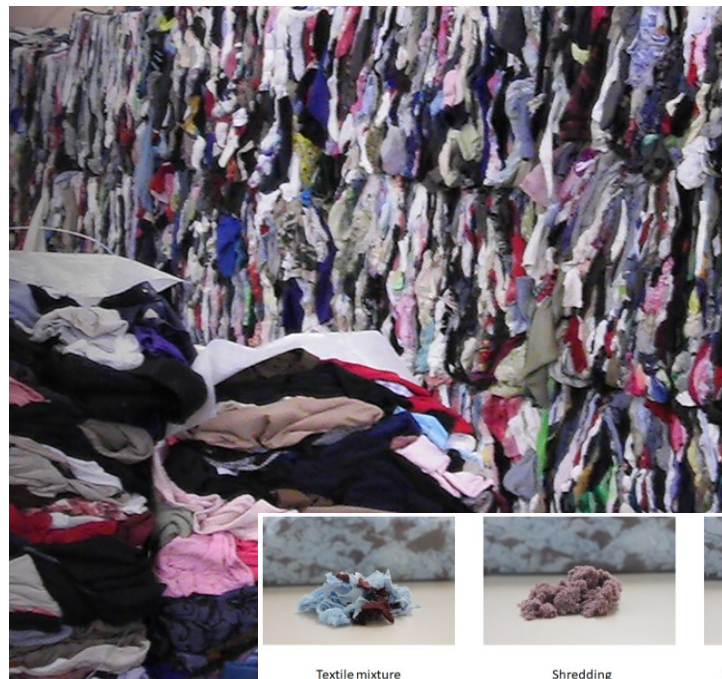
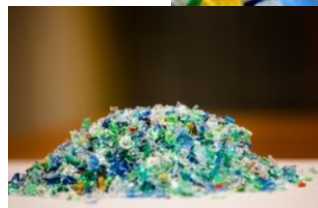
RITTEC – Empowering PET circularity

Realising our vision with fresh company investment

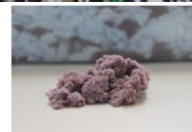


revolPET® technology: PET recycling

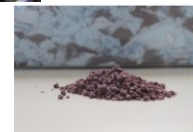
Independent from product shape, form or mix



Textile mixture
ca. 80 % Polyester
ca. 20 % Cotton



Shredding
bulk density 40 g/L



Compaction in pellet press
bulk density 400 g/L

revolPET® - high product quality

Back-to-monomer recycling opens all opportunities



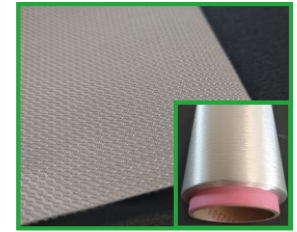
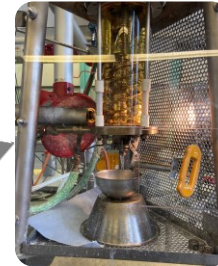
Polycotton



Depolymerisation



Repolymerisation

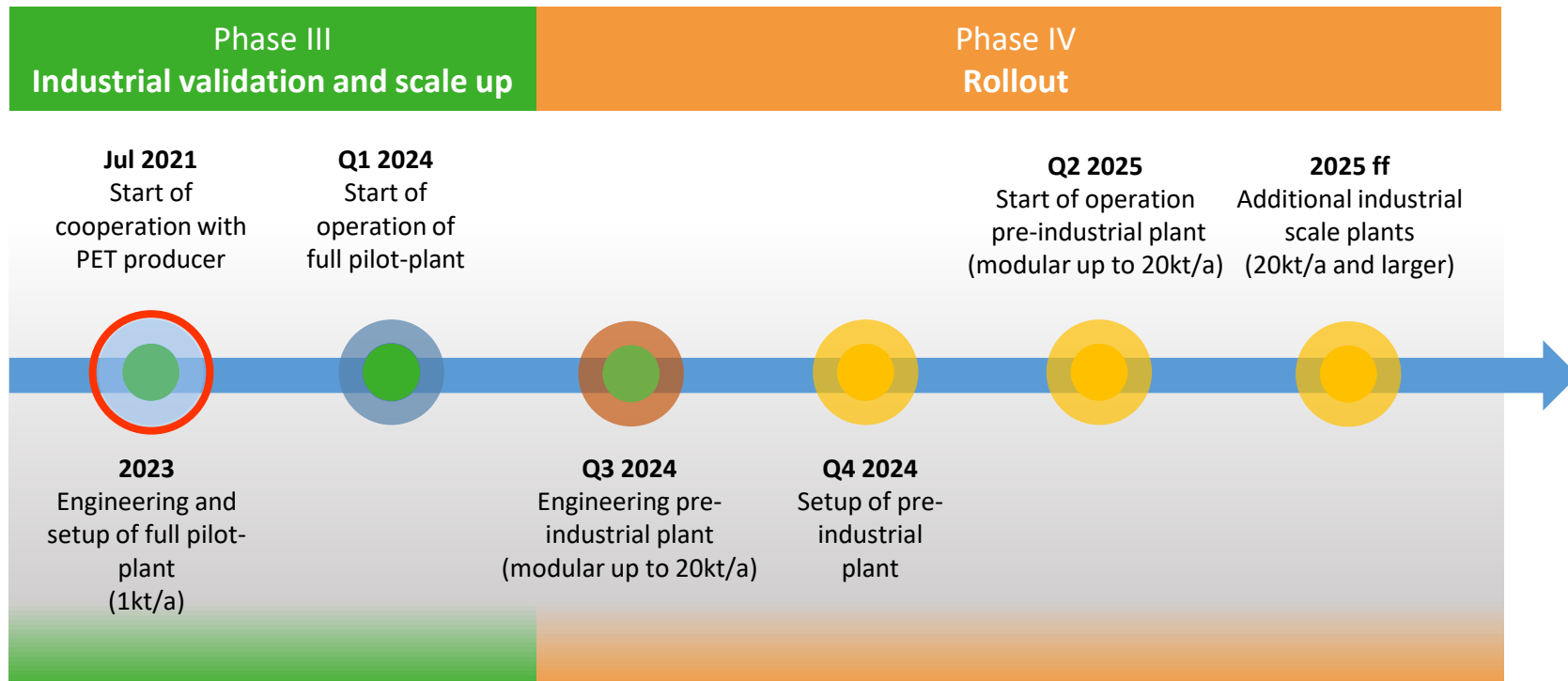


PET/PE trays



Milestones to industrial market readiness

Reaching profitability to lowest capacity possible



Market entry

Cooperations along supply chain



- Back-to-monomer technologies are the link between first and second value chain
- Equipolymers and RITTEC coordinate development of quality specs for recycled monomers



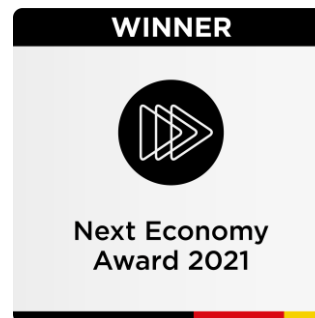
- From Q2/2024 on Equipolymers will test RITTEC's monomers in a feasibility study to produce PET with recycled content

Steps of our success story

credible awards confirm technological progress



Technologie-
transferpreis



Contact

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