



Company Overview

Corporations are facing increased pressure from consumers and regulatory bodies

➤ 155 billion pounds of polypropylene are produced annually¹, but less than 1% is recycled²

IF NOT US, WHO?

Over 75% of all plastic produced has become waste. Each year 17+ billion pounds of plastic end up in our oceans².



IF NOT NOW, WHEN?

Plastic takes over 400 years to degrade. Scientists' prediction that by mid-century, the oceans will contain more plastic waste than fish, ton for ton, has become one of the most-quoted statistics and a rallying cry to do something about it.²

Polypropylene Production



Consumer Use



Plastics are either reclaimed, thrown away, or allowed into the environment



1. IHS Polypropylene 2018 World Analysis – Polypropylene Annual Report
2. <https://www.thebalancesmb.com/an-overview-of-polypropylene-recycling>

The challenge with recovering polypropylene using existing processes is that current applications cannot address the key underlying properties



Post Consumer Polypropylene is:

1. **contaminated** with human toxic impurities
2. **non-colorable** (black or grey)
3. **malodorous** (stinks)



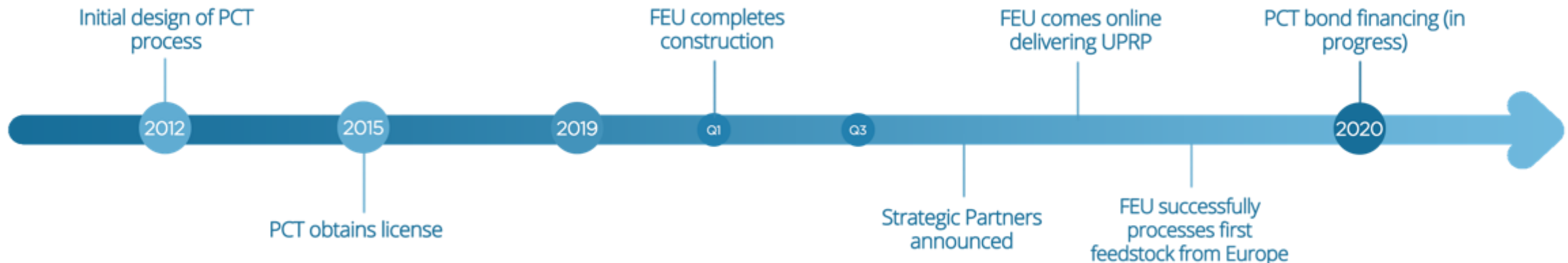
Less than 10% of plastic is recycled with over 8 million tons of plastic ending up in our oceans each year¹

Less than 1% of polypropylene is recycled globally²

1. <https://news.nationalgeographic.com/2017/07/plastic-produced-recycling-waste-ocean-trash-debris-environment/>
2. <https://www.thebalancesmb.com/an-overview-of-polypropylene-recycling>.

PureCycle's mission: provide recycled polypropylene that can be used interchangeably with virgin resin without compromise

- Technology developed by P&G and globally licensed to PCT
- PureCycle's first plant will be operational in 2022 and will produce over 100 million pounds of UPRP polypropylene annually
- PureCycle's unique purification process is designed to obtain the FDA's Letter of No Objection – Testing has commenced

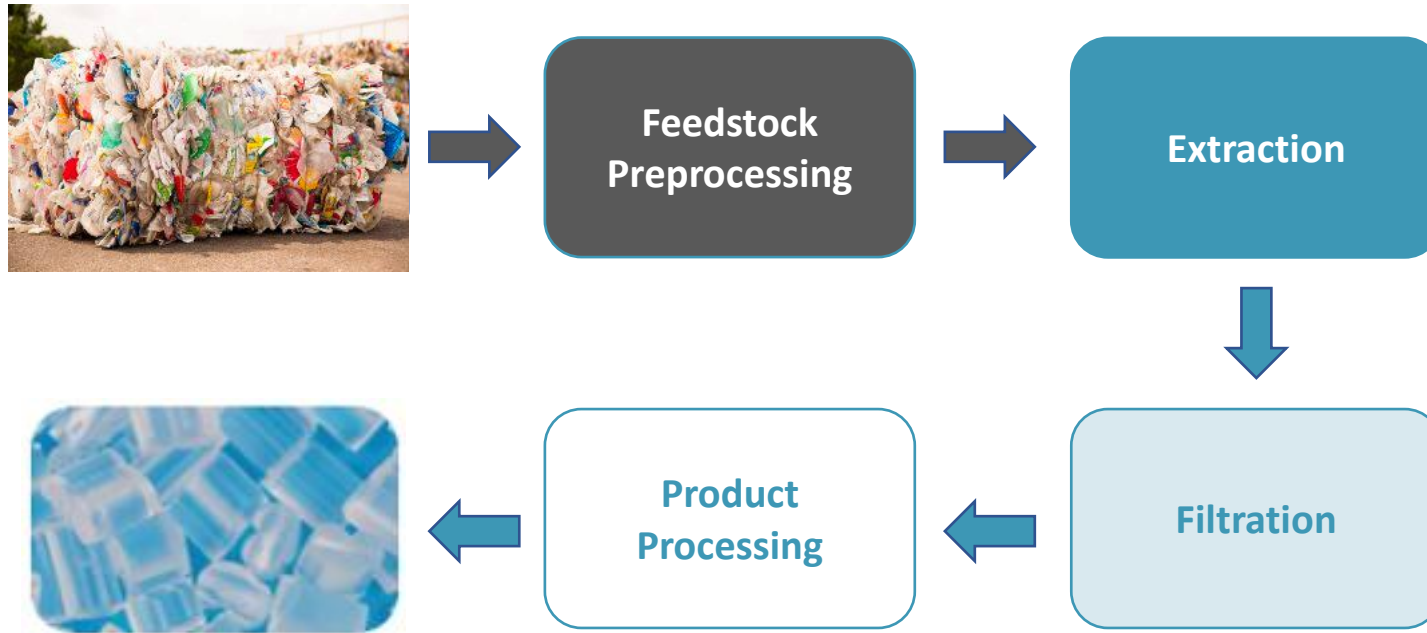


In July 2019, PureCycle commenced operation of Phase I of the Project, the Feedstock Evaluation Unit



- Produced first UPRP July 2019
- Processed many different types of feedstock to date
- All feedstocks have produced product meeting contractual commercial product specifications

Waste stream polypropylene is returned to near near-virgin condition through a novel assemblage of commercially available equipment/unit operations



Key Benefits of the Technology

- ✓ All unit operations are well-known and commercially available at scales much larger than required by PCT
- ✓ Physical separation/ specialized solvent-based purification process (no chemical reactions are involved)
- ✓ Process operating conditions comparable to current polyolefin (PP and PE) production conditions

Because no chemical reactions are performed, the PureCycle process can be reutilized many times on the same polypropylene material enabling a true circular economy

While there are a range of ways that plastics can be recycled, there are very limited options available for polypropylene today



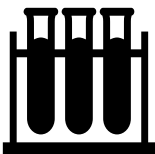
Mechanical

The most common and front-line recycling method performed by solid waste collectors. May include optical sorting, manual sorting, washing, density separation or electrostatic separation, shredding, pelletizing, and/or compounding.



Chemical

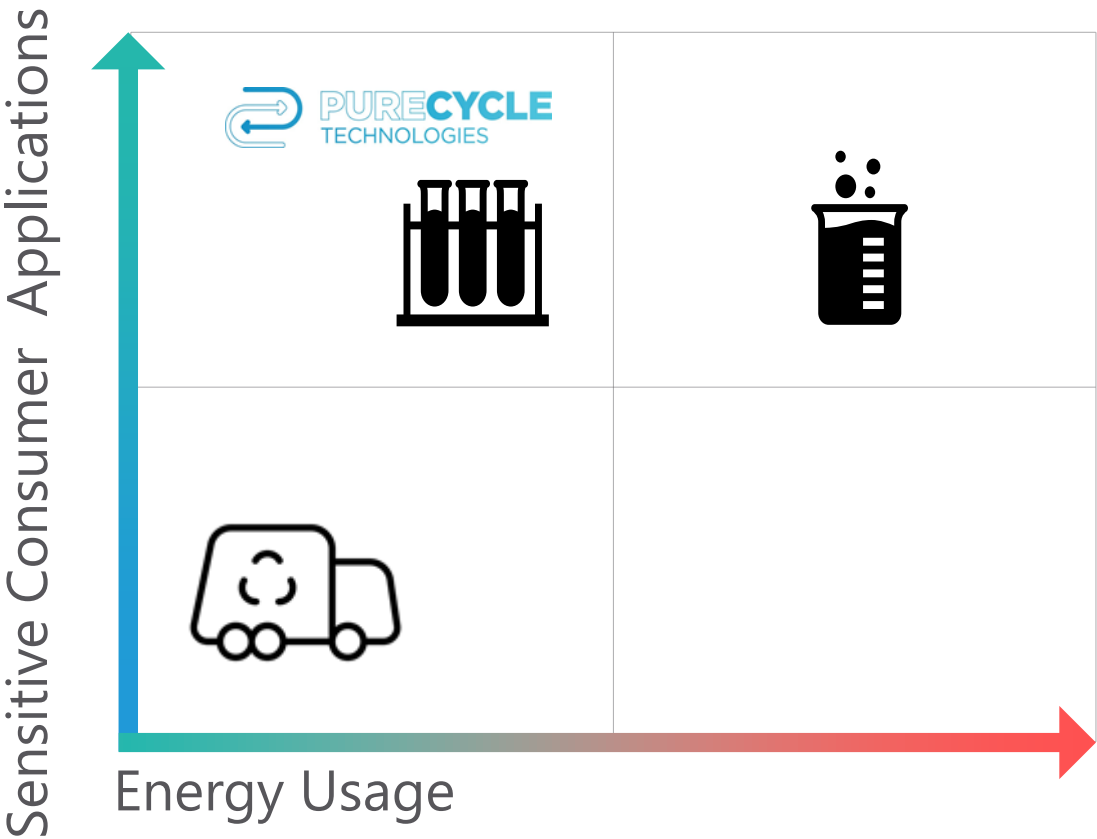
A chemical reaction is created, the molecular bonds of used plastic are broken, resulting in molecules (monomers) from which plastics are made.



PureCycle Solvent-Based Purification Process

Used plastic is dissolved in a specialized solvent to remove additives, resulting in a purified, near virgin plastic. No chemical reaction is created.

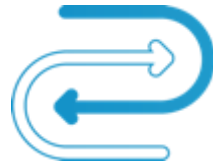
Polypropylene Applications



The existing Phase I line has further validated the process and has allowed PCT to advance engineering and design of Phase II of the Project



Phase I turned waste carpet into ultra-pure recycled polypropylene, which was then molded into clear containers that were exhibited at the 2019 K-Fair in Dusseldorf



*First Clear Application Molded from
PureCycle's Ultra Recycled Polypropylene*

PureCycle's recognition as a leader in innovation in polymers, sustainability, and recycling has garnered global media attention and brought forward multinational partners and customers



Innovation in Plastics Recycling

November 2017



Best Innovations of 2019, Sustainability

January 2020



Solar Impulse Efficient Solutions
for Profitable Climate Solutions

March 2020



The Plastics Industry Association
announces PureCycle Technologies as
the winner of the 2020 **Leadership in
Innovation**

May 2020

PureCycle in the News

PureCycle in the News articles are embedded in the logo images; A separate article summary can be provided upon request



*"This technology, which can remove virtually all contaminants and colors from used plastic, **has the capacity to revolutionize the plastics recycling industry by enabling P&G and companies around the world to tap into sources of recycled plastics that deliver nearly identical performance and properties as virgin materials in a broad range of applications.**" – Kathy Fish, P&G CTO*

PCT has partnered with world class companies to address polypropylene recycling

Strategic Partners



Long Term Customer Agreements



Additional Customer Agreements



— Strategic Partners —

- **P&G's** commitment to sustainability is demonstrated by a willingness to sell this technology license to PCT and allow sales of offtake to all, even P&G's competitors.
- **Total** is a leading oil and gas company and major producer of polypropylene.
- **Loreal** is a world leader in beauty: makeup, cosmetics, haircare, perfume and provides market insights to PCT.
- **Milliken** is a leading specialty chemical additives company that specializes in improving the performance and appearance of plastics.
- **AptarGroup** is a global leader in dispensing, drug delivery and active packaging solutions and provides observations on how PCT's UPRP performs through the transformation process.
- **Ravago** is a global plastic producer and specializes in the distribution, resale, compounding and recycling of plastics; Ravago is world leader in plastic recycling.
- **Nestle** is the world's largest food and beverage company; Nestle's food grade requirements for PP provides PCT with significant insights.

Billions of pounds of Polypropylene feedstocks exist in the market today across all industries; most of these feedstocks are untapped by the market

Flexible & Rigid Packaging



Sports & Fashion Industry



Medical Applications



Consumer Products



Automotive & Industrial Industry



Our Goal - Increase collection of PP

- Primary Materials - (What we can take?)
 - Bales
 - #3-#7 bales (50% min. PP)
 - #5 bales (75% min. PP)
 - Bulky Rigids (50% min PP)
 - Film (Post industrial)
 - Fiber bales (carpet backing, supersacks)
- Regionally Focused
 - Developing PRF model in Ironton
- Focusing heavy on Post consumer collection
 - See large growth opportunity
- Billion pound capacity by 2024



Production Goals

- Q2 – 2021
 - Starting Pre-Processing Pilot Plant in Ironton, Oh
 - Gathering samples (2-3 bales) for P4
- Q3/Q4 – 2021
 - Start taking truck loads
 - Development of Trucking partnerships
- Q1/Q2 – 2022
 - Full scale operation of PRF
- Q3 – 2022
 - First processing plant operational - 120M lbs (60,000 tons per year)
- 2023 – Plant per quarter to a billion

Thank you!

- Questions...