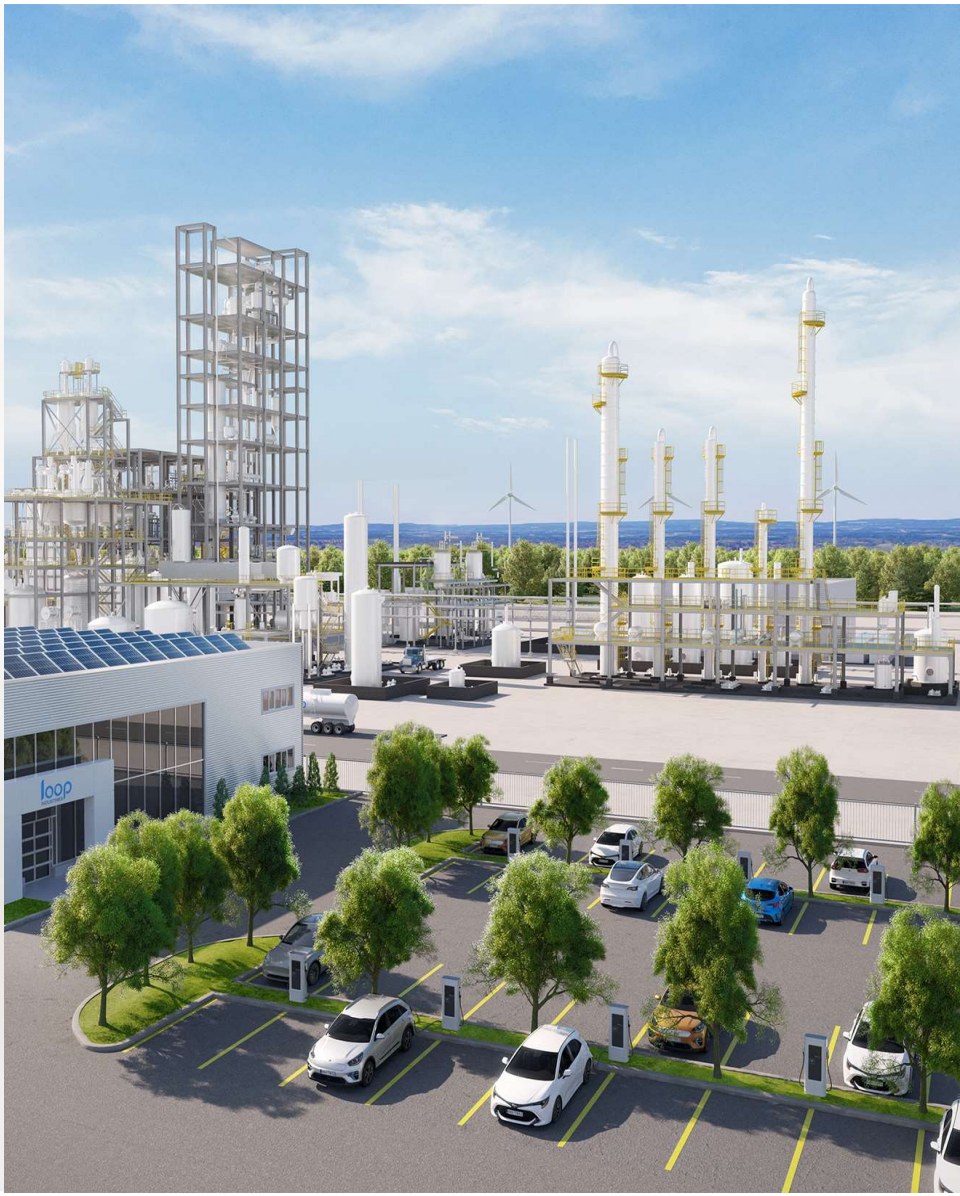
loop INDUSTRIES

ACCELERATING THE CIRCULAR PLASTICS ECONOMY

October 2023



TECHNOLOGY HIGHLIGHTS

Loop upcycles low-value waste PET such as:

PET Plastic bottles & packaging
Colored, opaque and degraded materials

&

Polyester Fiber

Virgin-quality PET resin and polyester fiber from **100% recycled content**

Enables polyester fiber circularity through **fiber-to-fiber recycling**

Infinitely recyclable packaging with no degradation in quality

Low heat, no added pressure depolymerization for lower GHG emissions, lower costs and higher yields

Food-Safe: No objection letters from **FDA** and **Health Canada**.
REACH certified for Europe

Globally patented technology

Loop™ PET resin suitable for:

- **Food-grade packaging**
- **Cosmetic use**
- **Polyester Fiber applications**

HOW IT WORKS

1 Loop's process begins with waste PET plastic and polyester fiber of low or no value which today end up in landfill, incineration or natural areas.

2 Our low heat, no added pressure depolymerization technology breaks down the waste PET into its base chemical building blocks, or monomers: DMT and MEG[1].

CIRCULAR SOLUTION

4 The resin is converted into PET plastic and polyester fiber products to be sold, consumed and recycled.

3 The monomers are purified and polymerized to create virgin-quality Loop™ PET resin.

1. Dimethyl terephthalate and monoethylene glycol

Loop's technology can create true circularity and a sustainable future for the textile industry

SUPPLYING BRAND OWNERS WITH VIRGIN-QUALITY POLYESTER MADE FROM 100% RECYCLED FIBERS

Polyester fiber waste → Base building blocks DMT & MEG → Loop™ Polyester

Loop's technology enables the recycling of polyester fiber worldwide

- **Reduces dependence** on virgin PET made from fossil fuels
- **Takes lowest** value polyester fiber waste and converts to **virgin-quality** Loop™ Polyester
- **Bridges the gap** of mechanical recycling limitations
- **Infinitely recyclable** polyester fibers with no degradation in quality
- **Globally patented** technology
- **Low heat, no added pressure depolymerization** for lower GHG emissions, lower costs and higher yields

TERREBONNE PRODUCTION FACILITY

Québec, Canada

- Commercial volumes of virgin-quality, 100% recycled Loop™ PET resin currently in production, available and being distributed to brand owners
- Loop ™ PET used by customers for market launches, with products distributed to consumers in retail stores
- Full R&D capabilities for product innovation, feedstock qualification & proof of concept
- Commercial scale-up of unit operations less than **5x**
- 2+ years of plant operations & learnings for ease of transition into full commercial scale
- ~ $100M invested to develop the technology over the past 7 years

INFINITE LOOP™ FACILITIES

GLOBAL EXPANSION

INFINITE LOOP ™
SOUTH KOREA

South Korea
First Infinite Loop™ facility
Ulsan, South Korea

In partnership with:

SK ecoplant SK geo centric loop INDUSTRIES

STRATEGIC PARTNERSHIP with SK GEO CENTRIC

- In June 2021, SK GC acquired a 10% equity stake in Loop Industries
- SK GC completed a 2-year technical due-diligence of Loop's technology
- In April 2023, Loop and SK GC signed a definitive JV agreement to commercialize Loop's technology across Asia
- JV targets a minimum 4 facilities by 2030, target locations include China, Vietnam and Japan
- Experienced EPC Contractor, SK ecoplant – mitigates construction risks

INFINITE LOOP ™
SOUTH KOREA

South Korea
First Infinite Loop™ facility
Ulsan, South Korea

In partnership with:

SK ecoplant · SK geo centric · loop INDUSTRIES

Project Dynamics

70KTA
Capacity

Timing

2023
Breaking Ground

2025
Operational

Responsibilities

Loop

- Technology & Innovation
- Sales & Marketing

SKGC

- Construction
- Feedstock sourcing & preparation
- Plant operations & maintenance

INFINITE LOOP™
FRANCE

France
Infinite Loop™ facility
Saint-Avold, France

In partnership with:

SK geo centric suez loop INDUSTRIES

STRATEGIC PARTNERSHIP with SK GEO CENTRIC & SUEZ

- Partners will form a JV with equal ownership stake, leveraging each company's expertise & strength
- SUEZ is one of the leading waste management company in France, holding an extensive knowledge of European PET waste landscape & vast supplier network, guaranteeing feedstock supply
- SUEZ completed a full technical due-diligence of Loop's technology
- JV to provide 100% recycled, virgin-quality PET to support EU customers
- JV targets to build multiple facilities across Europe

INFINITE LOOP™
FRANCE

France
Infinite Loop™ facility
Saint-Avold, France

In partnership with:

SK geo centric · suez · loop INDUSTRIES

Project Dynamics

70KTA
Capacity

Timing

2027

Responsibilities

Loop

- Technology & Innovation
- Sales & Marketing

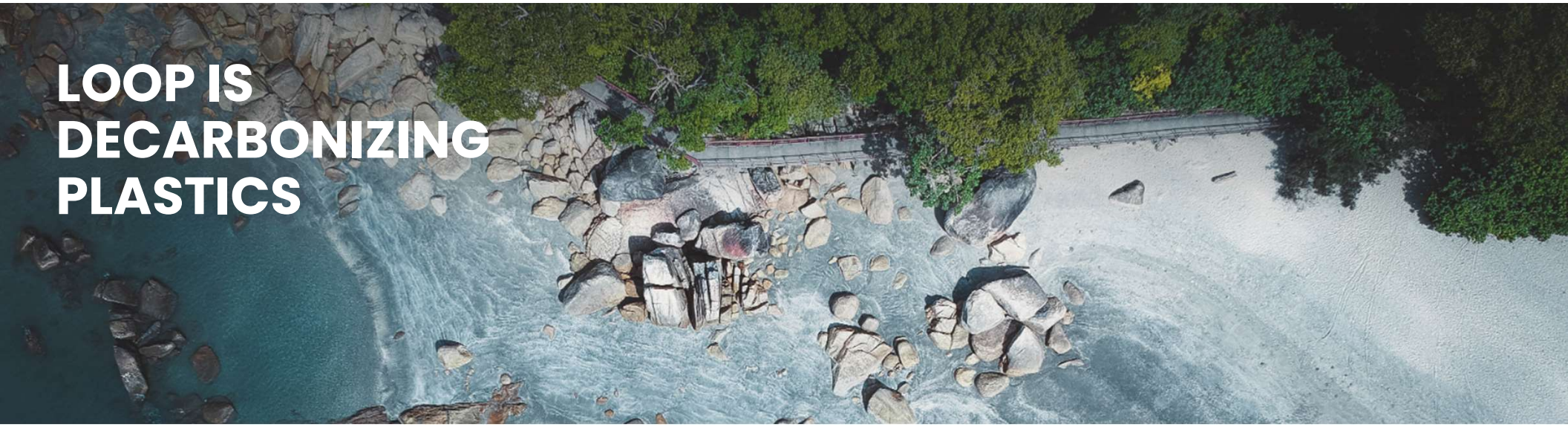
SKGC

- Construction
- Operations
- Maintenance

SUEZ

- Feedstock Sourcing & Preparation
- Government Relationships

LOOP IS DECARBONIZING PLASTICS



Source

Lower GHG Emissions

A 70,000 tonne Loop facility could save
Up to 360,000 tonnes / year
of CO_2 compared to virgin PET[1]

Environmental Data

Up to 79% less
Global Warming Potential (GHG)

Up to 67% less
Primary Energy Demand (Non-Renewable)

[1] Source: Life Cycle Assessment of Loop GEN II Infinite Loop™ France done by Franklin Associates, a division of ERG, compares kg for kg Loop PET vs. Virgin PET. CO2 savings are compared to the production of virgin PET made from fossil fuels and the avoided incineration of waste used as a feedstock

SUMMARY OF LOOP'S CERTIFICATIONS AND COMPLIANCE

	Applicable Countries	Issued by	rDMT	rMEG	rPET
Manufacture/Import					
REACH	EU	ECHA	☑	☑	Not applicable
Recycling Process					
No Objection Letter	US	FDA	Not applicable	Not applicable	☑
No Objection Letter	CAN	Health Canada	Not applicable	Not applicable	☑
Use of PET resin in contact with food					
21 CFR § 177.1630	US	External lab (SQTS)	Not applicable	Not applicable	☑
Commission Regulation (EU) No 10/2011	EU	External lab (SQTS)	Not applicable	Not applicable	☑
Swiss Regulation on Food Contact Materials	Switzerland	External lab (SQTS)	Not applicable	Not applicable	☑
California 65	California	External lab (Intertek)	Not applicable	Not applicable	☑

SUMMARY OF LOOP'S CERTIFICATIONS AND COMPLIANCE

	Applicable Countries	Issued by	rDMT	rMEG	rPET
Use of PET resin in contact with Cosmetic					
Regulation (EC) 1223/2009	EU	Not applicable	Not applicable	Not applicable	☑
Packaging and Packaging Waste					
Directive 94/62/EC	EU	External lab (Intertek)	Not applicable	Not applicable	☑
Chemicals classification, packaging, and labelling					
Regulation (EC) No 1272/2008	EU	Not applicable	Not applicable	Not applicable	☑

OUR JOURNEY

2014

Founding
Daniel Solomita founds Loop Industries

2018

Indorama/Loop Joint Venture
Planned commercialization for 1st facility

2019

Northern Private Capital
~$35M equity financing, becoming a significant shareholder

2020

3 **SUEZ**
Partnership Agreement to develop first European Infinite Loop™ facility

1 **Worley**
Process Engineering Partnership

2 **INVISTA/Chemtex**
Agreement to use Invista PET polymerization know-how and engineering services from Chemtex

4 **REACH Monomer Registration**
Confirming purity and entitling Loop to manufacture/ import into Europe

2021

3 **Health Canada**
Obtained No Objection Letter from Health Canada stating PET produced by Loop's process is suitable for food contact articles.

1 **FDA**
Obtained No Objection Letter from the FDA indicating Loop PET is of a purity suitable for food contact use

2 **SKGC Strategic Partnership**
SKCG $56.5 M strategic investment and Asia joint venture MOU

4 **evian Loop Bottle**
Launch of 100% Loop™ PET bottle and announcement of roll-outs starting in 2022 with South Korea

2022

1 **Infinite Loop™ France**
Suez & SKGC as equal partners

2 **L'OCCITANE X Loop Bottle**
Launch of L'OCCITANE en Provence Almond Shower Oil bottle made with 100% recycled Loop™ PET resin

2023

4 **SKGC Joint Venture Agreement**
Signed Joint Venture Agreement to commercialize Loop's technology in the Asian market

2 **SKGC Technical Due Diligence**
Completion of technical due diligence validating and confirming the efficacy of Loop's technology

1 **Infinite Loop™ France**
Site selected: Saint-Avold, France

3 **Garnier X Loop Bottle**
Launch of Garnier's Micellar Cleansing Water in a 100% upcycled bottle using Loop's technology

loop INDUSTRIES

ACCELERATING THE CIRCULAR PLASTICS ECONOMY

October 2023