# VEOLIA Waste Plastics Recycling and Circular Economy



Jeju Plus International Environment Forum 2024

Mr. Sangho LEE BD/PD Director / Veolia Korea

### CONTENTS VEOLIA Introduction

# 01

A Global Champion of Ecological Transformation

- Veolia
- ESG Partner

# 02

#### Waste Plastics Recycling

- Plastiloop
- Proposition

# 03

#### **Circular Economy**

- Plastic Circularity
- Operation



# A Global Champion of Ecological Transformation



### **Veolia group history**



4

**OVEOLIA** 

# 2023 Main business & Group's key figures

Presence in **58** countries with **220,000** employees





- Water Service:
   Global No.1
- Water Technology: Global No. 1

#### Water

- 111 million people supplied with drinking water
- **103** million people connected to wastewater systems
- **3,809** drinking water production plants managed
- **3,222** wastewater treatment plants managed



- Circular Economy: Europe No. 1
- Hazardous waste: Global No. 1

#### Waste

- **43** million people provided with **collection services** on behalf of municipalities
- 63 million metric tons of treated waste
- 562,828 business clients
- 865 waste processing facilities operated



Energy Efficiency: Europe No. 2
District Heating: Europe No. 2

#### Energy

42 TWh produced

48,745 thermal installations managed

708 heating and cooling networks managed

#### 2,118

industrial sites managed



# **Veolia Korea Overview**

Trustworthy and long-term environmental service provider for 25 years





6

### **ESG Partner**

Supporting customers' carbon neutrality goals with integrated environmental solutions

DECARBONIZE



To decarbonize our assets and those of our clients while **finding value** 



- Local energy
- Energy autonomy







- Water neutrality
- Reuse of wastewater

DEPOLLUTE



To remain the world leader in the integrated management of water resources and the treatment of new pollutants



- Treatment of hazardous waste
- Treatment of micropollutants
- Soil remediation
- IAQ

AI & DIGITAL



To differentiate ourselves with digital solutions onboarding **AI + Generative AI** 



• Leveraging AI and Gen AI to enhance performance







# Waste Plastics Recycling

# PlastiLoop

# PlastiLoop

THE PARTNER FOR YOUR ECOLOGICAL TRANSFORMATION OF PLASTICS



#### WE NEED TO RECYCLE PLASTICS AN ECOLOGICAL EMERGENCY

Lund Almost 3 Almost 3 increase in global plastic production by 2060 if no change



350+ million metric tons

annual production of plastic waste <sup>ج</sup> 81%

plastics put into circulation that become waste in one year



world's plastic produced that is currently recycled





#### **VEOLIA & PLASTICS** PLASTIC IS A STRATEGIC PILLAR FOR VEOLIA GROWTH



"As demand for recycled plastic increases across all sectors in the context of resource scarcity, there is a need to recycle more plastic waste streams." Estelle Brachlianoff, Chief Executive Officer of Veolia



#### TOTAL PLASTIC RECYCLING PLANTS CAPACITY (kt/y output) 800 600 400 200 2015 2018 2022 2023



#### **PLASTILOOP DNA** 3 PILLARS TO BUILD A BRAND



It demonstrates all the reliability and seriousness of our offers. Sustainable by nature, each plant is committed to the common promise

#### Product range

Built upon the existing products, it gives a complete and intelligible view of all our offers. It is organised by market sectors

**PlastiL**cop

#### Network of experts

Hundreds of committed resourcers in more than 12 countries, working together with their customers to develop solutions, innovate and address sustainability issues



# **PlastiLoop** OUR PROPOSITION



#### **PLASTIC RECYCLING AT VEOLIA** MASTERING ALONG THE WHOLE VALUE CHAIN

**Nearly 40** Plastics Recovery Facilities **0.6 Mt/y** of treated plastic





15

by 🕢 VEOLIA

#### WIDE PRODUCT RANGE **CUSTOMER CENTRIC - APPLICATION DRIVEN**

The high performance circular polymers we produce can be directly integrated into your industrial production chain.

Variety & Customized : **Expert for your Industry** 

Unique : **Structuration & Network** 

Benefits: **Ready to use for replication** Time to market & Controlled risks



Thin Wall Containers

Tubes

### **OUR VALUE PROPOSITION** 5 LEVERS BASED ON 3 PILLARS: THE PRODUCT RANGE, THE PROMISE, THE NETWORK





# www.plastiloop.veolia.com

# www.veolia.kr







# **Circular Economy**

# PLASTIC CIRCULARITY AT VEOLIA KOREA



# **PLASTIC OPERATIONS IN KOREA**

#### **YOUR LOCAL PARTNERS**



# THANK YOU

Contact: 이상호 상무 / sangho.lee@veolia.com