



For the establishment of smart and
resilient cities and communities

Introduction to Daegu City's Water Policy



대구광역시
DAEGU METROPOLITAN CITY



CONTENTS

01 Overview of Daegu

02 Daegu's Smart Water Industry

03 Global Water Cooperation and
its Network



01

OVERVIEW OF DAEGU



OVERVIEW OF DAEGU



Population

~2.5 million



Size

1499km²



Daegu, The City of Water



Nakdong River

Length: **510km**



Water Intake Population:

10 million



Daegu, The City of Water

Past

BOD 196 ppm (1983)



Daegu, The City of Water

Present

BOD 2.2 ppm (2023)





02

Daegu's Smart Water Industry



Korea Water Cluster(KWC)

Location

Daegu National
Industrial Complex

Area

650,000m²
(777,393yd²)

Cost

USD
206 million

Construction Period

2015~2019

Water Industry
Demonstration
Facilities(Test-beds)

Business Park for
water companies

Business Park for
water companies

Water Industry
Promotion Facilities

Korea Institute for
Water Technology
Certification(KWTC)

Korea Water Cluster (KWC)

1. Water Industry Promotion Facilities

Global Business Center

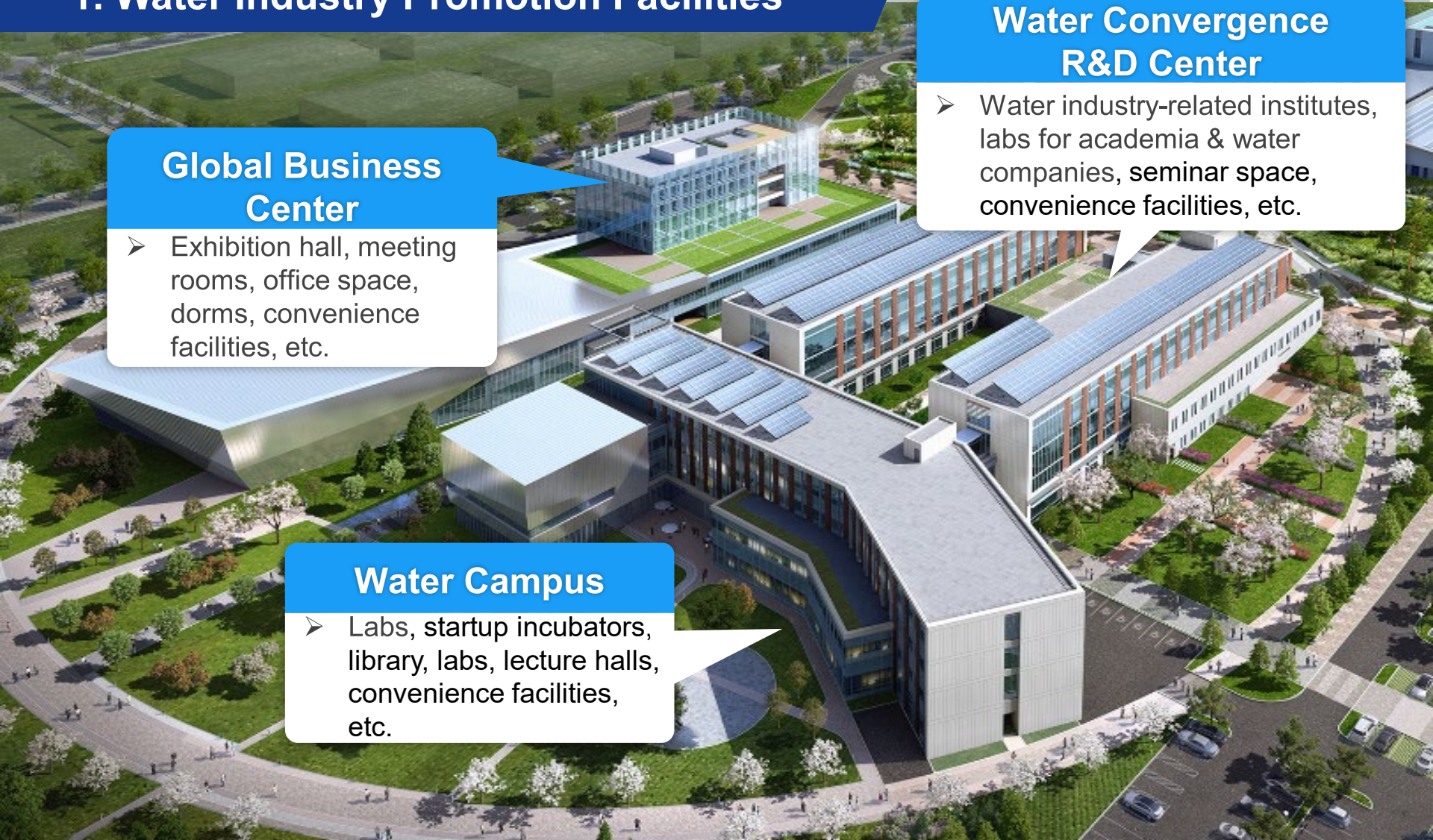
- Exhibition hall, meeting rooms, office space, dorms, convenience facilities, etc.

Water Campus

- Labs, startup incubators, library, labs, lecture halls, convenience facilities, etc.

Water Convergence R&D Center

- Water industry-related institutes, labs for academia & water companies, seminar space, convenience facilities, etc.



Korea Water Cluster (KWC)

2. Demonstration Facilities (Test-beds)

Size: 100,000m²

Facility Overview

Test- Bed Plants

Type 1

Standard procedures

Type 2

Promising technologies

Capacity (m³/day)

2,000 (1,000×2 lines)

1,000 (500×2 lines)

1,000 (500×2 lines)

1,000 (500×2 lines)

User- Customized Area

- Companies making their own installations to be tested
- Technology R&D
- Performance testing

Total (m³/day)

3,000

1,000

1,000

2,000

Outdoor Test Area

Pipe Network Testing Area

Configuring a pipe network and installing valves, fittings, and other auxiliary facilities

Development of installation and maintenance technologies



Outdoor Test Area

R & D of facility installation technologies in demand by water companies

Purification

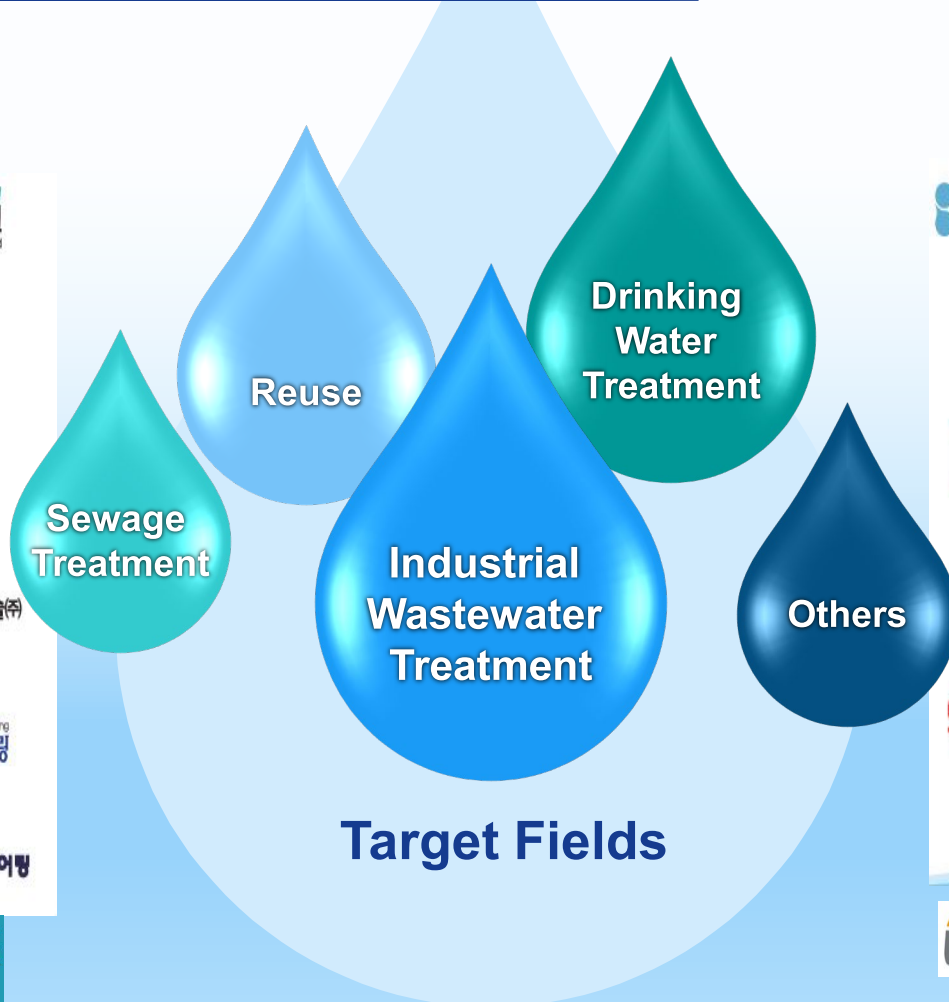
Sewage

Wastewater

Reuse

Korea Water Cluster(KWC)

3. Business Park for water companies



LOTTE CHEMICAL

환경시생 전문기업
(주) 지이테크
Globe Environment Tec, Co., Ltd

첨단환경기술 선도기업
ECOSET (주) 에코셋

The Value of Trust
MIDNI
주식회사미드니

ILCHUN
INDUSTRY

(주)그린텍
Pump & System Engineering

KED 주식회사 케이디

KFT 한국유체기술(주)

ROYAL
ROYAL PRECISION INDUSTRY CO., LTD.

Yusung engineering
(주)유성엔지니어링

(주) 에이치엔티
HUMAN&TECHNOLOGY

SUNTECH (주)선텍엔지니어링

ansen

WMS
WATER MANAGEMENT SYSTEM

For our next generation
Enbio Cons

주식회사 문창
MOONCHANG

Samjin

ATT
ATT ENVIRONMENTAL ANALYSIS
환경시험연구원

PPI 평화

주식회사 우진
www.mixings.co.kr

주식회사 금강

진행워터웨이

SJM 주식회사 신정기공
SHINJUNG MACH. CO., LTD
http://www.vco.co.kr

(주)화도케미칼
PE하수관, PER하수관, 모수받이, 연못

제이텍
J.TECH CO., LTD

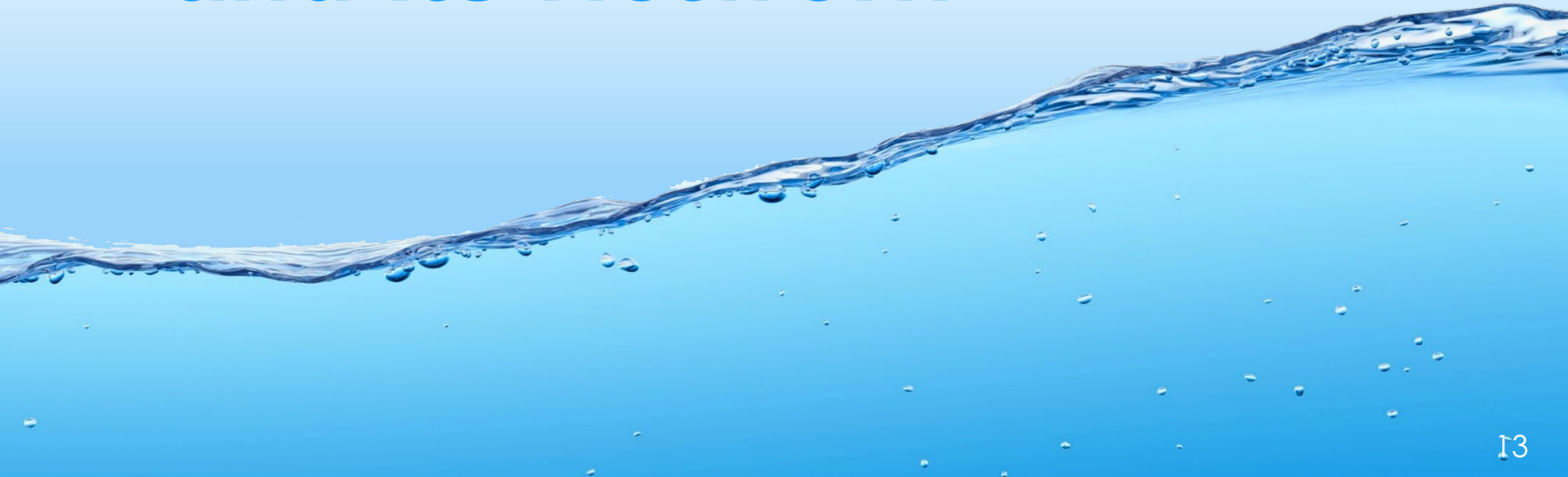
태영필트레이션시스템

GID 한결테크닉스
환경/수질/환경/기업



03

Global Water Cooperation and its Network



Global Water Cooperation and Network Establishment

Participation in water-related exhibitions and conferences



Continued exchanges with leading world water cities



Mikkeli



Fryslân



Montpellier



Shaoxing

Hosting of water-related international events



Korea International Water Week 2024



Korea International Water Week

- Fostering a global community focused on solving water-related issues
- Specific Programs: Water Leaders' Roundtable, World Water Challenge, Water Business Forum, Expo, etc.

World Water Cities Forum

- Establishing cooperative partnerships among world water cities
- Objectives:
 - Discussion of water-related issues among cities worldwide
 - Exploring joint solutions and monitoring response measures and their effects

International Water Industry Conference

- Establishment of a global water industry platform
- Specific Programs
 - Academic presentations by experts
 - Networking among water industry stakeholders
 - Presentations on cutting edge new technologies

Towards the day when everyone on the planet has access to clean and sufficient water!



Thank you

"See you again in Daegu, Korea"

Korea International Water Week 2024

'24. 11. 13. ~ 11. 16. / EXCO