

Yachiyo Engineering Co., Ltd. International Division

Building Smarter Cities Together

Uyu TANAKA: Chief Consultant

October 25, 2024

Agenda

1. Company Profile
2. Introduction of Case Study Project
 1. Smart JAMP (Disaster Prevention) in Davao City
 2. RIAD (River Image Analysis for Debris transport)
3. Our Approach
4. Conclusion

1. Company Profile

- Yachiyo Engineering (Engineering Consultants Firm)

- Establishment
- Paid-up Capital
- Number of Professional Staff
- Contract Amount
 - Grand total for Jul.2023-Jun.2024
 - Overseas Business

Jan. 29, 1963

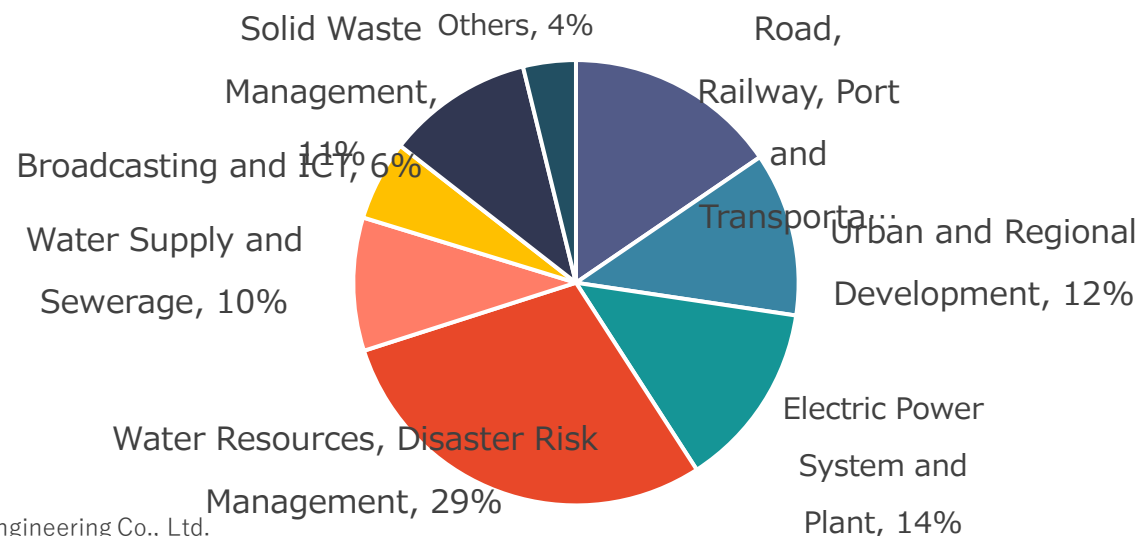
450 million JPY

1,027

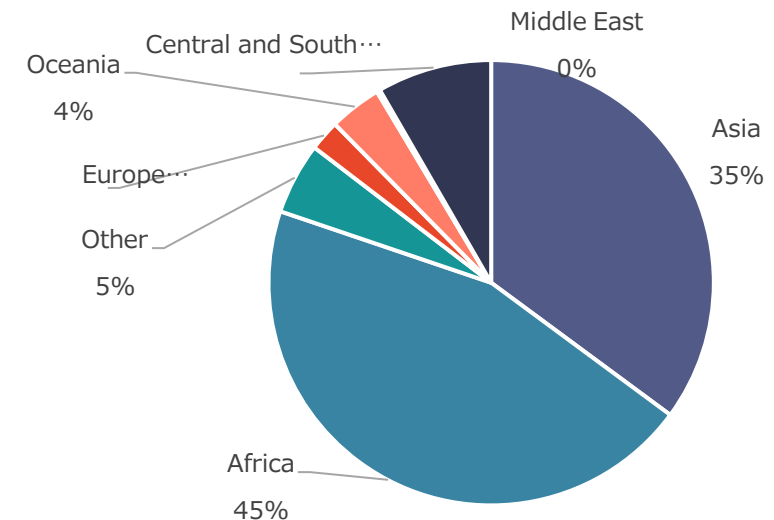
26.1 billion JPY

4.3 billion JPY

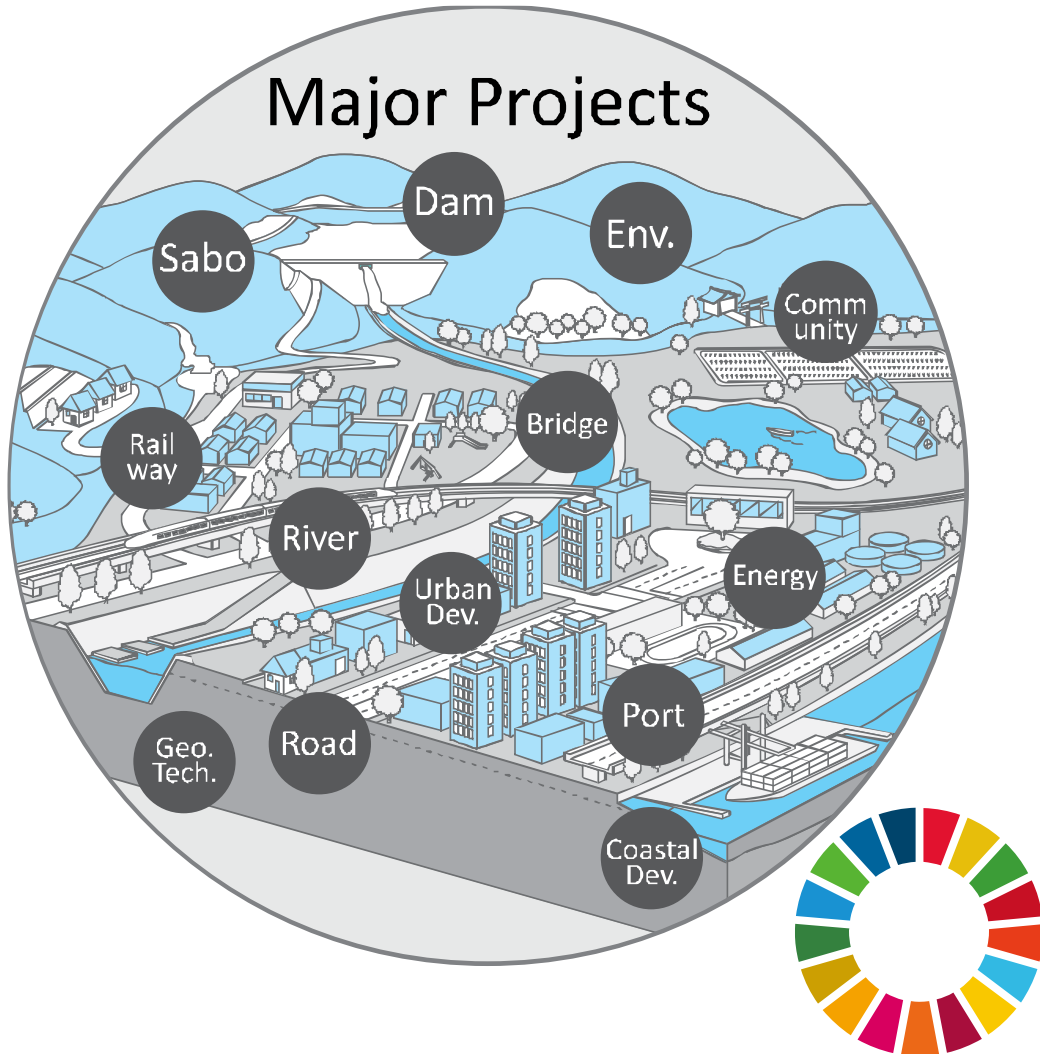
Overseas Business Share by Sector



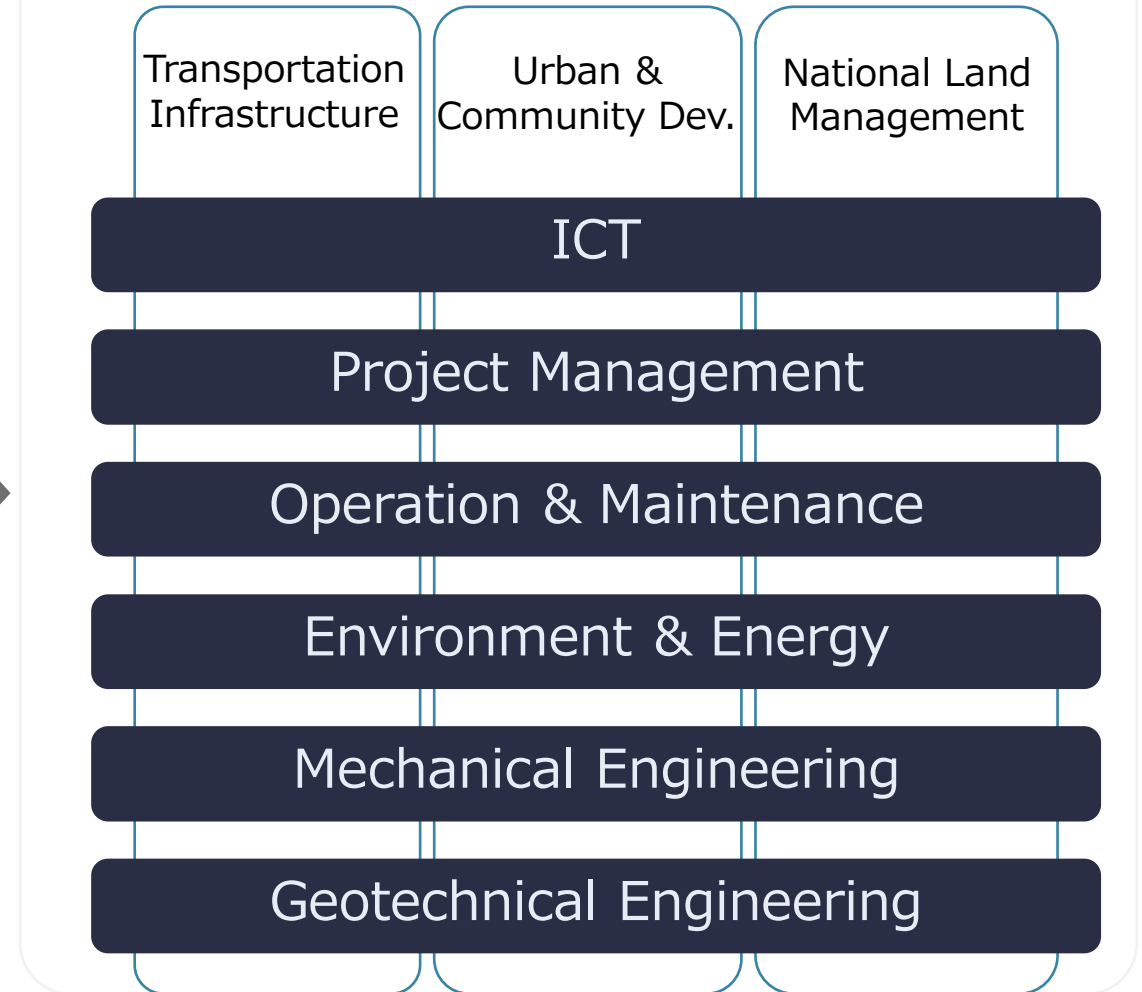
by Region



Our Business Domain



Business Domains



○ Core Domain ■ Cross Cutting Domain

Major Experiences in ASEAN Region

Vietnam

- Survey on Hanoi-Ho Chi Minh High Speed Railway Project

Cambodia

- Study on the Environment-Friendly Smart Community in Phnom Penh
- Master plan for smart city of Battambang city in Cambodia

Indonesia

- Disaster reconstruction planning and implementation in Sulawesi
- Study for Jakarta-Bandung High Speed Railway Project
- Sewerage system development in Jakarta
- Study for Urban Transportation System in Surabaya

Malaysia

- Feasibility Study on the Second Penang Strait Crossing Road Construction Project
- Preliminary study on data utilization platform for smart city in Kuala Lumpur, Malaysia
- Study for Integrated Flood Management with Adaptation of Climate Change in Malaysia
- Study for High Speed Railway between KL and Singapore

Philippines

- EV tricycle introduction in Quezon city
- The Preliminary Study for the Automated Citywide Traffic Control Systems Upgrade for Improved Mobility in Davao
- Pilot Integrated Urban Flood Monitoring System

2. Introduction of Case Study Projects

- Smart JAMP
(Disaster Prevention)
funded by MLIT Japan
 - Installation of Sensors
 - Pilot Urban Flood Monitoring System
 - Study Business Model Suites for Davao City



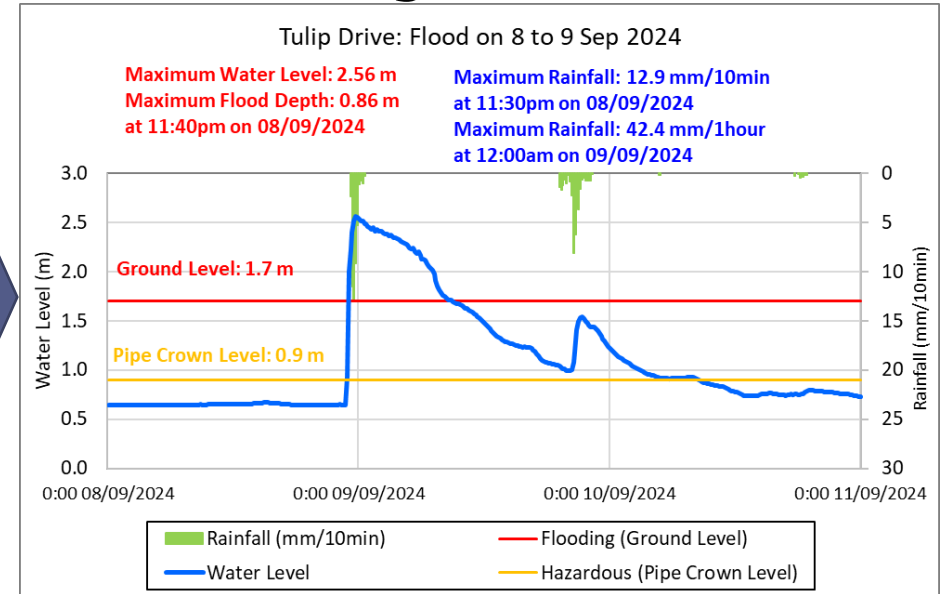
Major Issues in Urban Flood in Davao City

- Damages to Infrastructure
- Economic Disruptions
- Public Health Concerns



Major Functions of the System

- Monitor manhole and send alert to authorities
- Record maintenance history and improve asset management



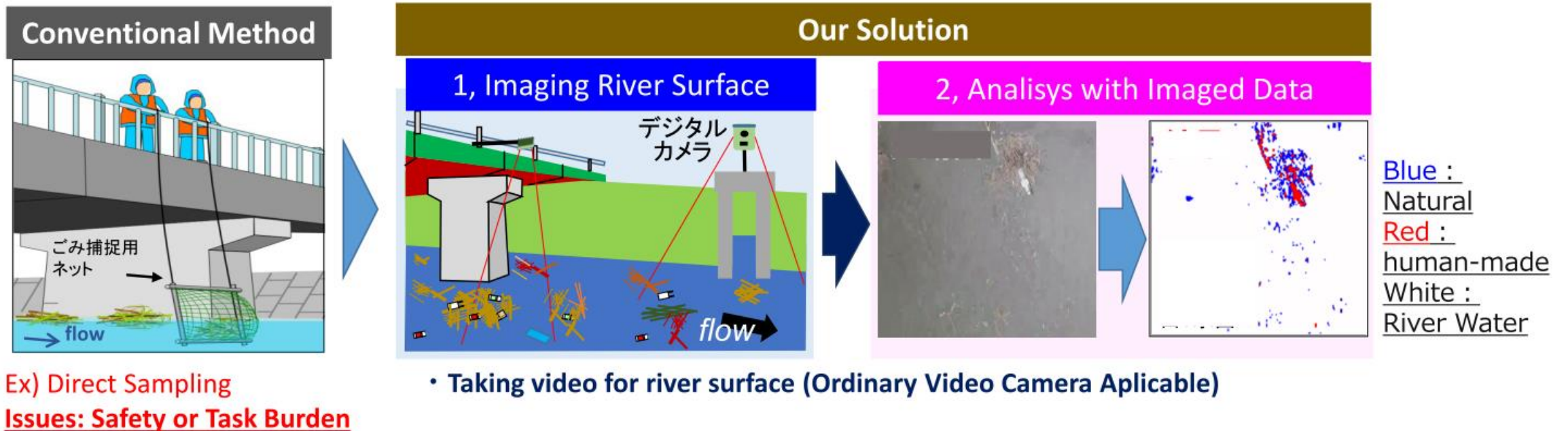
“Blitz GIS” is a product of Nihon Suido Consultants Co., Ltd.”

Schedule

- Jul 2024, Kick-off
- Aug 2024, Installation
- Sep to Nov 2024, Piloting System
- Nov to Dec 2024, Business Model Development
- Feb 2025, Finalize Report

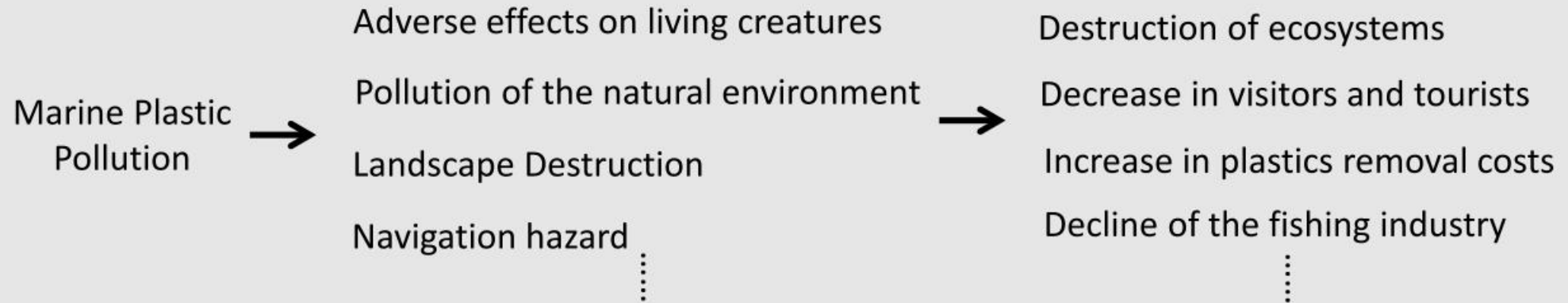
Introduction of Case Study Projects 2

- **RIAD: River Image Analysis Debris transport**
 - Imaging Video, Grasping Transport Amount of Natural/Human-made Debris



Problem of Marine Plastics Issues

Problem of Marine Plastic Pollution



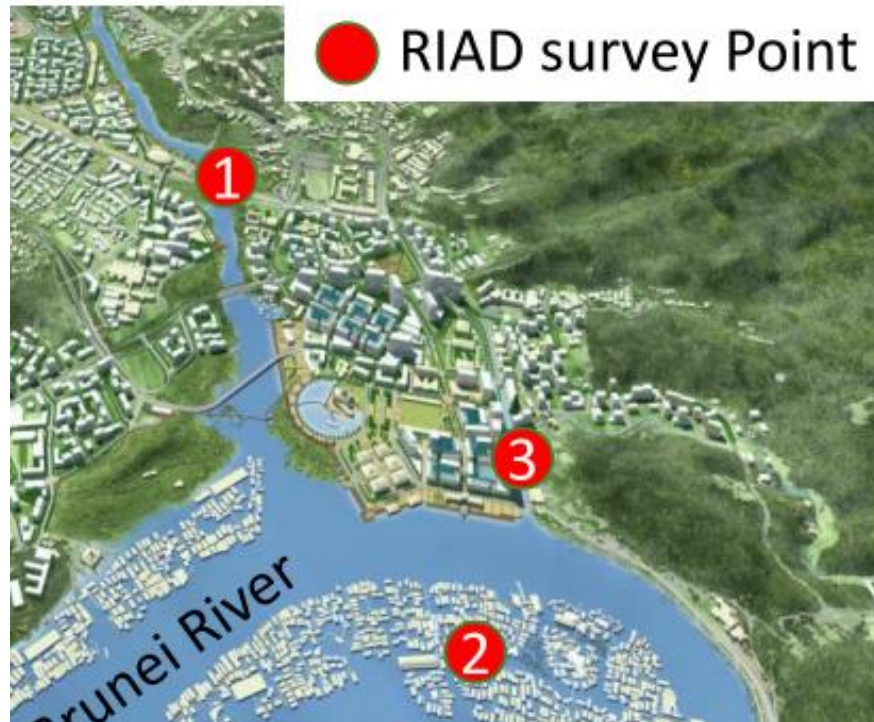
Source : United Nations "Plastic pollution choking world's oceans" (2018)



Source : OCEANS ASIA "MASKS ON THE BEACH" (2020)

Installation Record

- Hamamatsu City, Japan
- Bandar Seri Begawan, Brunei Darussalam



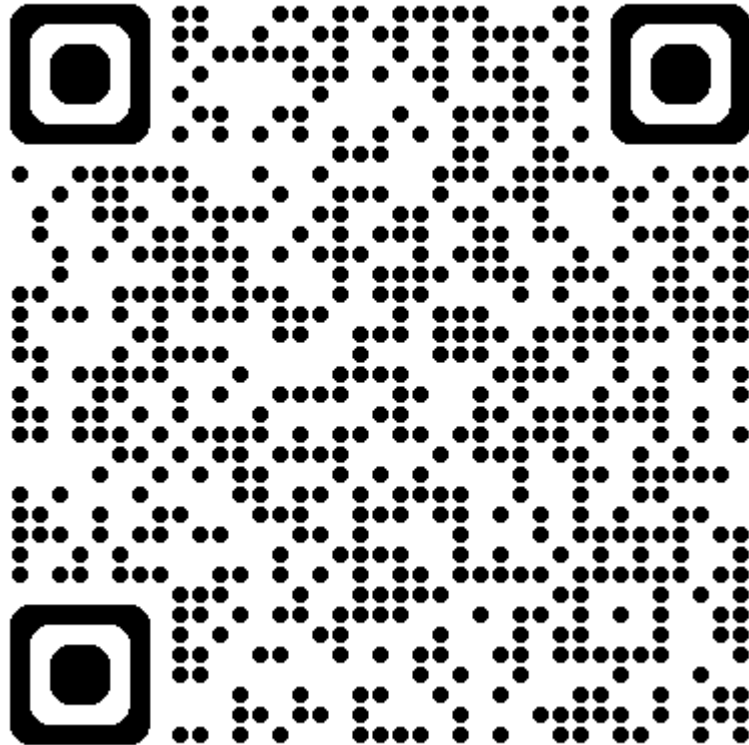
3. Our Approach

- We will set up the team of experts suites for your problem
- We have a lot of knowledge to make City Service to be more smarter
 - We will bring even other company's services if it fits to your needs
- We will tailor made the service for your necessity
 - In terms of time of delivery and cost

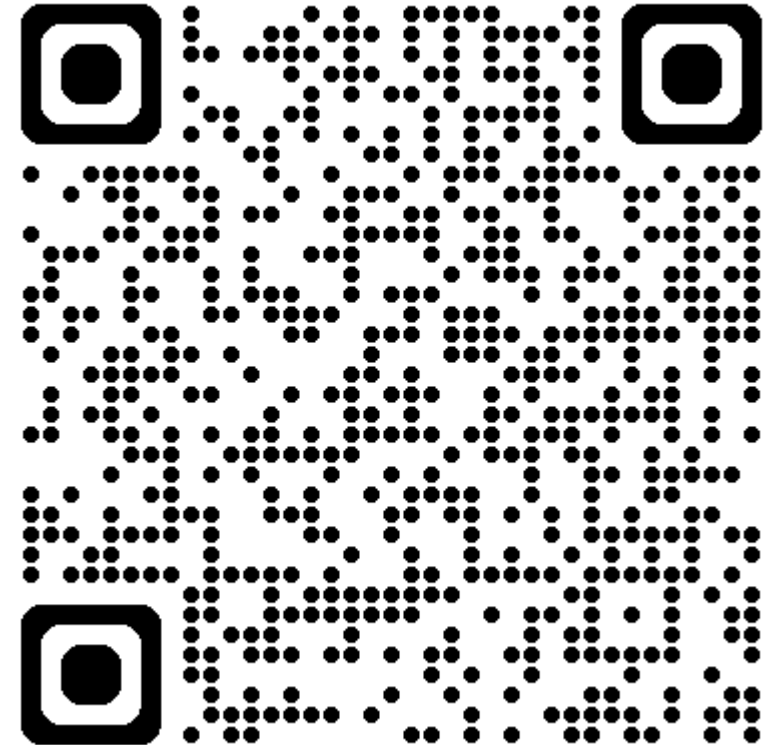
4. Conclusion

- Let's build a smarter city together. Contact us today for a consultation.

- Our Web Site



- Contact Sheet





YACHIYO
Engineering