

Introduction

Yokohama Water Co., Ltd.(hereinafter YWC), extra-departmental organization of Yokohama Municipal Government, provides solution to your business in the field of water supply and sewage works, utilizing an abundant expertise and knowhow in Yokohama, the birthplace of Japan's first modern water supply system and sewer.

Background

YWC established by Yokohama Waterworks Bureau (YWWB) in July 2010. In addition, YWC signed a basic agreement with the Yokohama Environmental Planning Bureau (which is responsible for sewage works) in April 2013 for the purpose of expanding the promotion of the water business by using technologies and knowhow in the field of sewage works

Business Scheme



Consulting and Advisory

Overseas technical assistance
Support for deciding on master plan
NRW survey and leakage investigations

Human Resources Development

Leakage Survey, Repairs and Pipe Engineering
Outline of Waterworks and Sewerage
O&M of Water Supplies and Sewerage

Public-Private-Partnership

O&M Management
Support of business management
Joint Crediting Mechanism

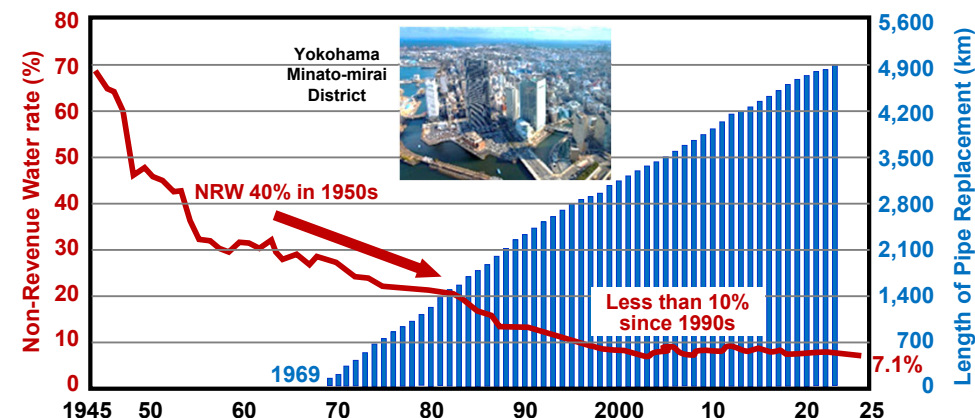
Introduction of Advanced Technologies

Sludge Dehydrator
Leakage Detection Equipment
SCADA System

Improve NRW Reduction in your facilities!



Yokohama is the second largest city in Japan after Tokyo, which has a population of over 3.8 million. Yokohama Water Works Bureau (YWWB) continues to supply high-quality water to Yokohama citizens and companies 24 hours a day, 365 days a year. YWWB is working to improve Non-Revenue Water (NRW) as part of its efforts to improve water supply services and continues to maintain its condition.



YWWB began a pipeline renewal project at a rate of about 90km/year in 1969. YWWB has renewed 4,900km of the 9,300km of water distribution pipes, which has enabled the NRW rate to be reduced from 30% to 7-8%.

YWC will provide practical support by utilizing the knowledge and achievements of Yokohama City



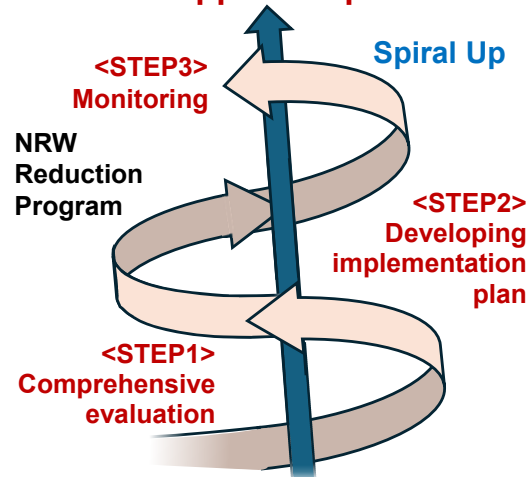
In recent years, YWC has achieved significant results by supporting NRW countermeasures in Pakistan, Philippines and so on.

What can YWC do to reduce NRW?

Drawing on the experience of the same water utility

1. Supporting Complex NRW Reduction Technology

YWC Support Steps



<STEP1> Comprehensive evaluation

- Confirm distribution volume via SCADA and bulk meters
- Calculate water losses rate
- Field survey of meter accuracy and status
- Assess illegal usage and unauthorized connections

<STEP2> Developing implementation plan

- Set NRW reduction targets
- Implement pressure management in priority DMAs
- Meter replacement schedule
- Strengthen leak repair teams and training

<STEP3> Monitoring

- Periodic tracking of NRW by DMA
- Measure average repair time
- Analyze trends using SCADA/GIS
- Track trends in complaints and incident reports

2.Support human resource development

YWC will create a flexible training program according to your request and provide effective training.

In addition to water supply facilities and site inspections in Yokohama City, practical training can be conducted using YWWB's training facilities.



3. Total support considering the whole water business

YWC provides a wide range of support, including not only NRW reduction measures, but also operation and management of water purification plants.

We will create support activities in response to your requests.



Physical Losses

(1) Distribution Block System (DMA) / Active Leakage Control

(2) Pressure Management

(3) Speed & Quality of Leak detection & Repairs

(4) Pipe replacement work / Asset Management



At YWC, experienced staff engineers work together on site to evaluate and identify areas for improvement with practical support.

Commercial Losses

(5) Water accounting errors

(6) Meter errors

(7) Water theft / Illegal Connection



YWC's staff, who have a lot of practical experience, are practical according to the local situation.

What are the goals of water utilities?

