

Case study

O&M and renewal of water and industrial and domestic wastewater service – Myagi, Japan.

Project	
Where (country/City):	Japan / Miyagi Prefecture
When and contract length :	April 2022 - March 2042 (20 years)
Goal: Construction and/or operations?	Concession
Scope: Water/ Wastewater?	Water, Wastewater and Industrial water
Scope: Plant and or Network?	Plant
People served:	792,000
Brief description of the project	
<p>This concession contract is for 20 years O&M and renewal works of 3 water services: drinking water, industrial water and wastewater. Through this contract, Mizumusubi, a newly formed consortium including Veolia and 9 other local companies in Japan, provide services to Miyagi Prefecture's 2 drinking water projects covering 25 municipalities (about 1.8 million inhabitants), 4 wastewater projects covering 21 municipalities and 3 industrial water projects covering 70 companies. Mizumusubi will develop a comprehensive digital platform that integrates a large range of modules and digital tools to manage and store all data related to project management, operations and renewal works.</p>	
Is this project unusual or different compared to others?	
<p>The first concession included water business in the scheme. The Miyagi concession is the first of its kind in Japan, as it includes drinking water production, industrial water production, and sewage treatment. It is the first-ever concession project in Japan that includes drinking water production, which was made possible by the amendment of the Water Law at the end of 2018. Veolia will provide various digital and ecological innovations: it will develop a digital platform (Hubgrade base, called MDP (Miyagi Digital Platform)) to manage all data related to the project, operation, and modernisation work.</p>	
What have been the major outcomes or success so far? (150 words)	
<p>Mizumusubi proposed to implement a digital solution; Miyagi Digital Platform (MDP), which is the combination of Veolia's digital technology called " Hubgrade " and its partners' digital tool. This is the</p>	

first Hubgrade (MDP) reference in Japan. It will manage and visualize all data of 9 plants and stakeholders can access it.

Contribution to the United Nations 2023 Conference themes

1) Which Interactive Dialogue them does the project contribute to?

Water for Health: Access to safe drinking water, hygiene and sanitation

YES

Mizumusubi will provide services to nine different sites efficiently and comprehensively, utilizing the knowhow and expertise of private companies with a commitment to sustainable water infrastructure.

Water for Climate, Resilience and Environment: Source to Sea, Biodiversity, Climate, Resilience and Disaster Risk Reduction

YES

Mizumusubi and the Prefecture will conduct various joint disaster prevention and BCP training in this long-term Public-Private Partnership project. Miyagi was heavily damaged in the Great East Japan Earthquake in 2011.

What topic of the “Global Acceleration Framework” does the project contribute to?

1. Optimized financing – did you improve targeting or utilize existing resources more efficiently, or mobilize additional funds

YES

Mizumusubi Management Miyagi (MMM) and Sumitomo Mitsui Trust Bank (SMTB) signed an agreement on February 16, for the first project finance with social loan evaluation in Japan.

2. Improved data and information – how did you use data and information to improve the service and increase accountability and transparency

YES

Veolia will provide various digital and ecological innovations: it will develop a digital platform (Hubgrade base, called MDP (Miyagi Digital Platform)) to manage all data related to the project, operation, and modernisation work.

3. Innovation – how have you used innovation and technologies to make the service better?

YES

Implementation of MDP, which municipalities also have an access.

4. Governance – what have you done to maintain and strengthen governance around the project?

YES

A 3-level monitoring system by the operator, the municipality and the management review committee are implemented.
Timely disclosure through the operator’s website