

Implementation systems

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Background

- In Vietnam, textile is a major industry, accounting for about 10% of the country's total export amount.
- On the other hand, **dyeing industry is considered as a high-environmental-load industry**, and making it **difficult to obtain permits for new factory construction**.
- In recent years, there have been calls for compliance with wastewater effluent standards as well as reductions in water consumption. In fact, **from the perspective of SDGs/traceability, there has been a movement, mainly among Western companies, to require Vietnamese raw material suppliers to make efforts in the environmental field, such as recycling.**
- Based on the above situation, **it is expected that the need for wastewater recycling will further increase in the future.** And the Consortium will conduct a survey and demonstration of dyeing wastewater recycling in Vietnam.

Project outline

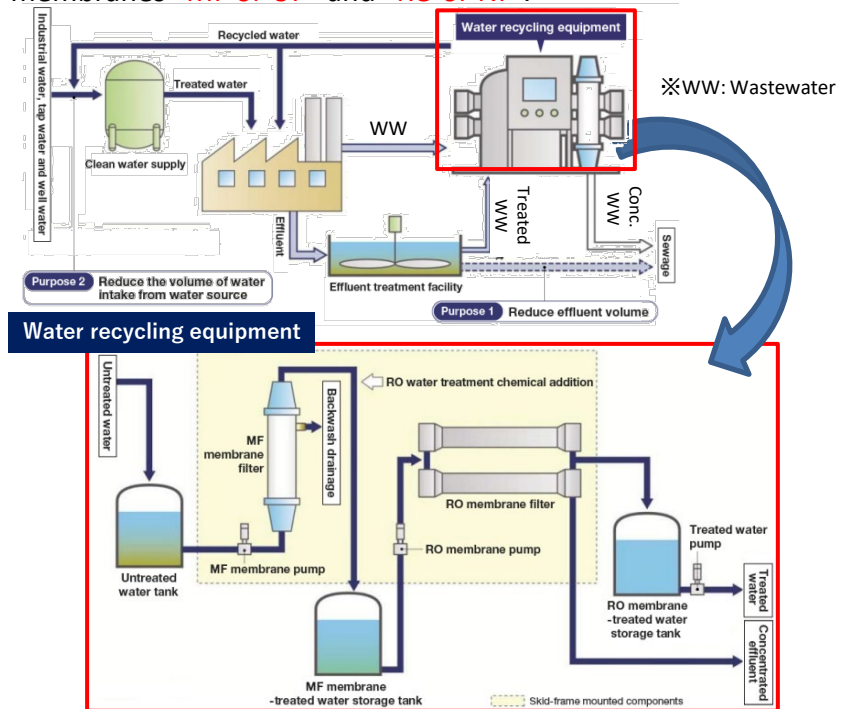
- Conduct survey on the recycling market size and the diffusion of recycling equipment in Vietnam. Also conduct a survey on the current regulatory situation and the possibility of obtaining new investment/construction permits through the application of recycling equipment through interviews with relevant authorities, and then, prepare a business plan.
- In parallel, conduct pilot operation to evaluate treatment performance and hold seminars for relevant authorities to promote the effectiveness of recycling.

Location

Suburbs of Hanoi and Ho Chi Minh City in Vietnam

Outline of technology

- Install recycling equipment after the wastewater treatment plant.
- And remove SS and dissolved components with combination of membranes **“MF or UF”** and **“RO or NF”**.



Expected results and business prospects

- **Demonstrate that it is possible to reduce the environmental load by applying wastewater recycling equipment with membrane, contribute to the development of the industry, and promote the diffusion of the recycling equipment.**
- Aiming not only to promote EPC business but also to initiate O&M business, including membrane replacement/washing etc.