

# Testing System for Decentralized Wastewater Treatment Plants in Thailand

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# Asian Institute of Technology

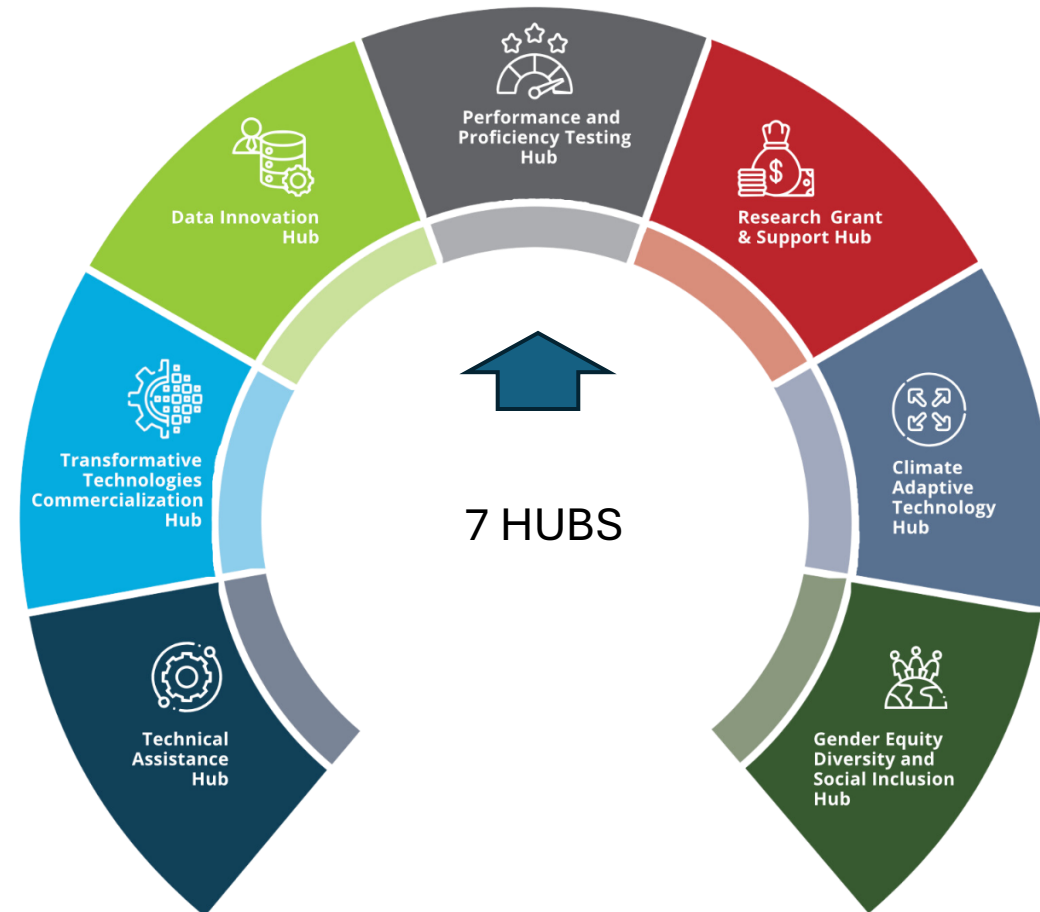
- Founded in 1959
- An international English-speaking postgraduate institution
- Provides engineering, environment, and management education and research, focusing on Sustainability and Social Impact issues



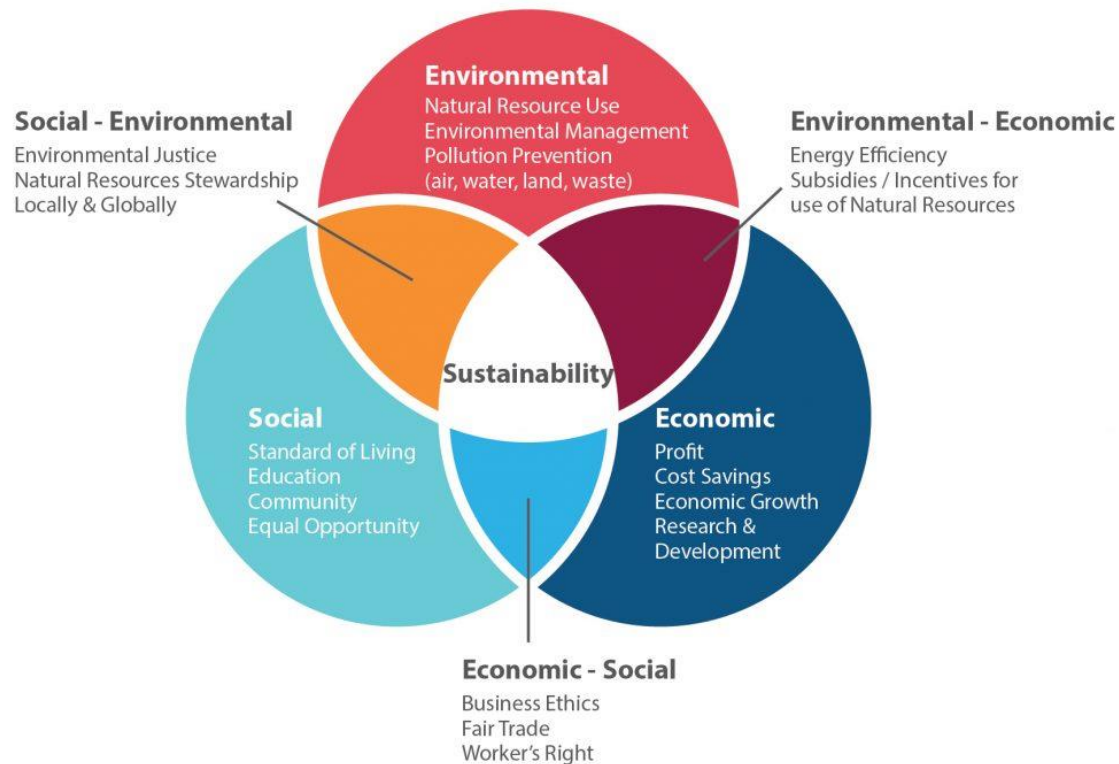
# Global Water & Sanitation Center

An Impact Accelerating Platform

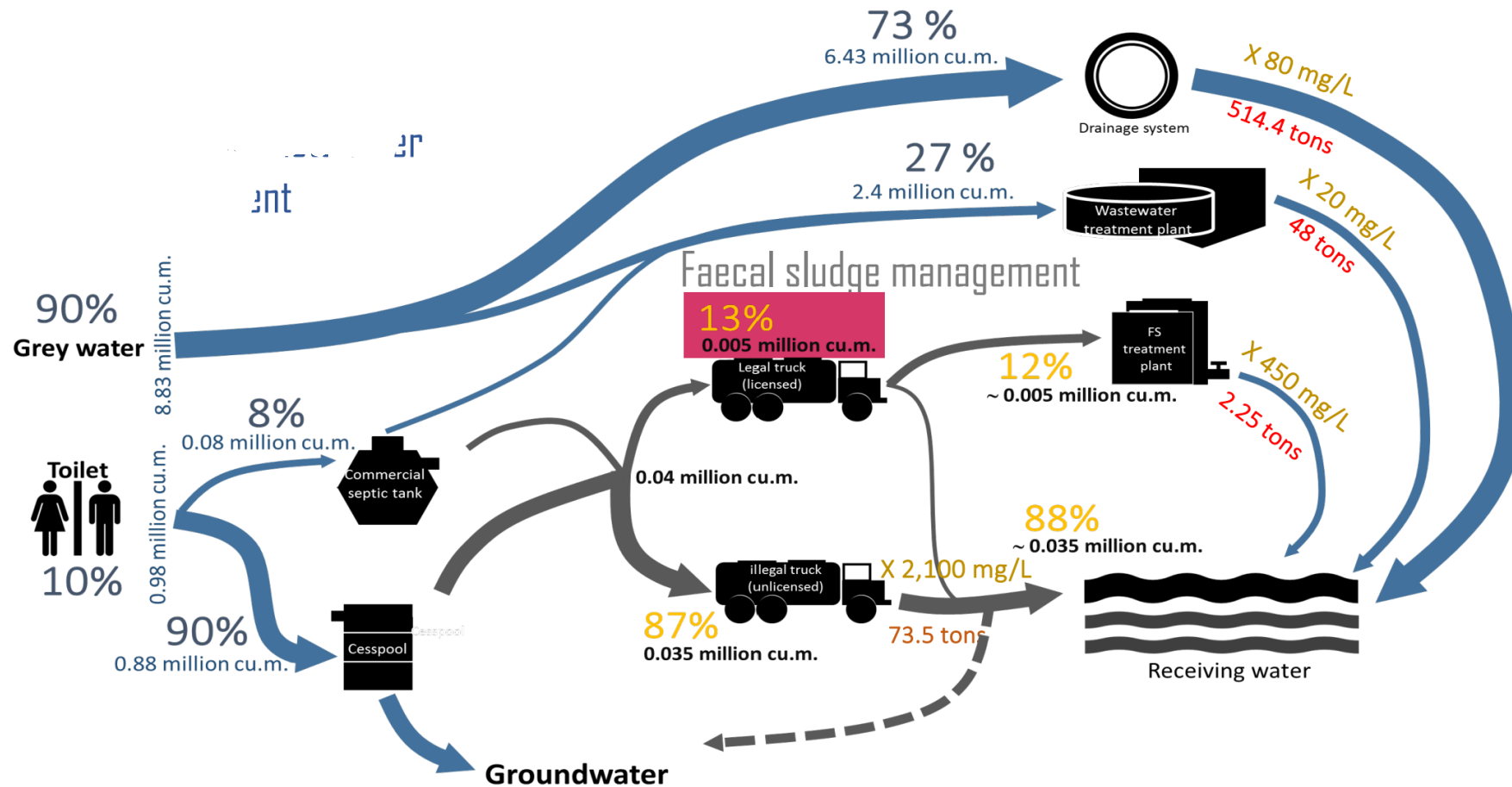
- A Center of Excellence in transforming water and sanitation system through innovation, capacity building, collaborative partnerships, ensuring universal access to safe, inclusive, and sustainable WASH services for all in Asia and beyond.



# How do standards support SDGs?



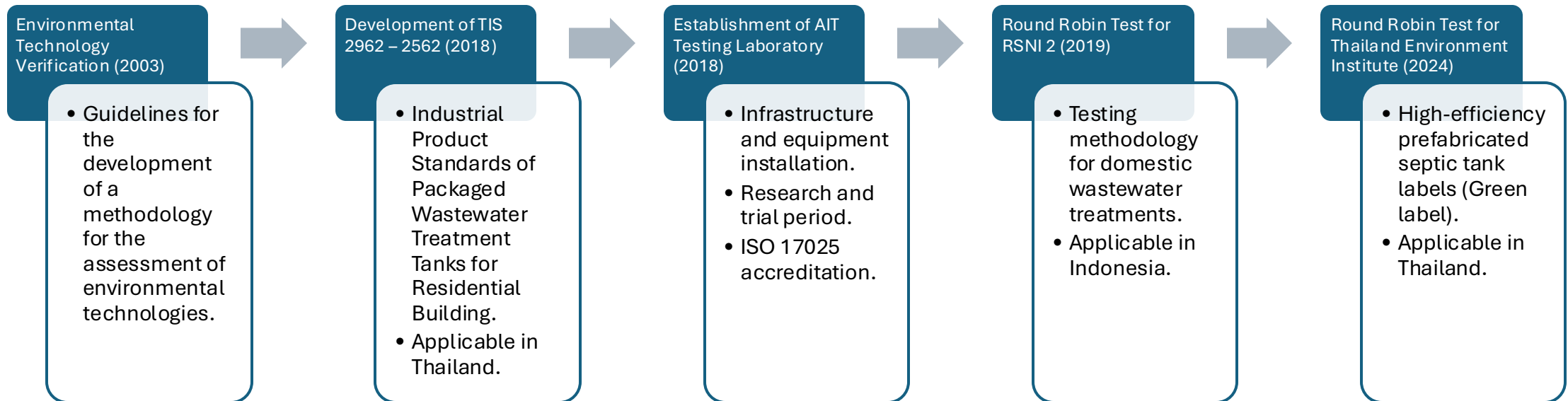
# Current Domestic Wastewater Management: Challenges and Opportunities



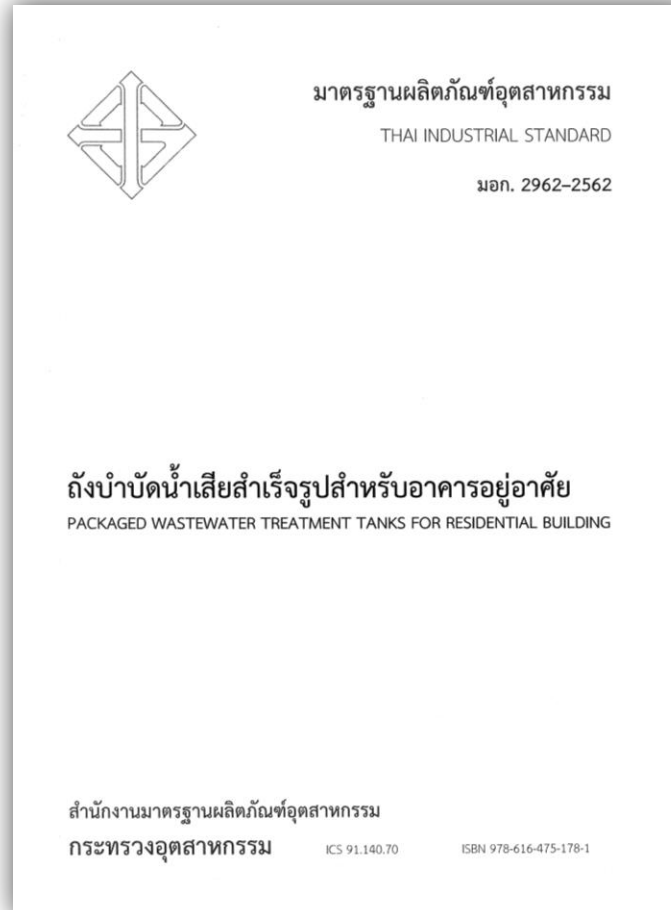
# Standards – Many ways to support public policies



# Standards & Testing Lab Establishment: One step at a time



# Standards Development





# AIT Testing Laboratory



TESTING  
No.0276

# AIT Testing Laboratory



Treatment efficiency test



Vertical loading test



Vacuum test

# Way forward

- **Common standard for ASEAN member countries**
- **Acceleration** – Engaging with national standard bodies, technical ministries, and other relevant ministries to advocate the importance of, not only standard for performance test for decentralised wastewater treatment products but also standards that support the development of sanitation.
- **Sustainability** – the presence of multi-stakeholders in the dialogue to establish a standard is crucial. Developers are the ones purchasing and installing the prefabricated wastewater treatment products in their real estate projects and they are the client or the main beneficiaries of application of the standard. Engaging with manufacturers and developers is a key factor in the successful implementation of a standard.
- The desire for sustainability points to a need to **develop the capacity of standard bodies and relevant ministries for managing or preparing standards at regional and national level**. Experiences regarding the development of international standard exist in the network and knowledge can be transferred to standard bodies and relevant ministries.

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