

An aerial photograph of a wastewater treatment plant. The image shows several large, circular, grey-colored storage tanks arranged in a cluster. A network of pipes and conduits connects these tanks to various industrial buildings and structures. One prominent building has a long, white, corrugated metal roof. Other smaller buildings and containers are visible. The plant is situated near a body of water, with a rocky shoreline in the foreground. The overall scene is industrial and functional.

Testing System for Decentralized Wastewater Treatment Plants in Thailand

Thammarat Koottatep

Professor, Environmental Engineering and Management
Co-Director, Global Water & Sanitation Center
Asian Institute of Technology Thailand

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



Climate
Change



Smart
Communities



Food - Energy -
Water



Infrastructure



Technology,
Policy and
Society

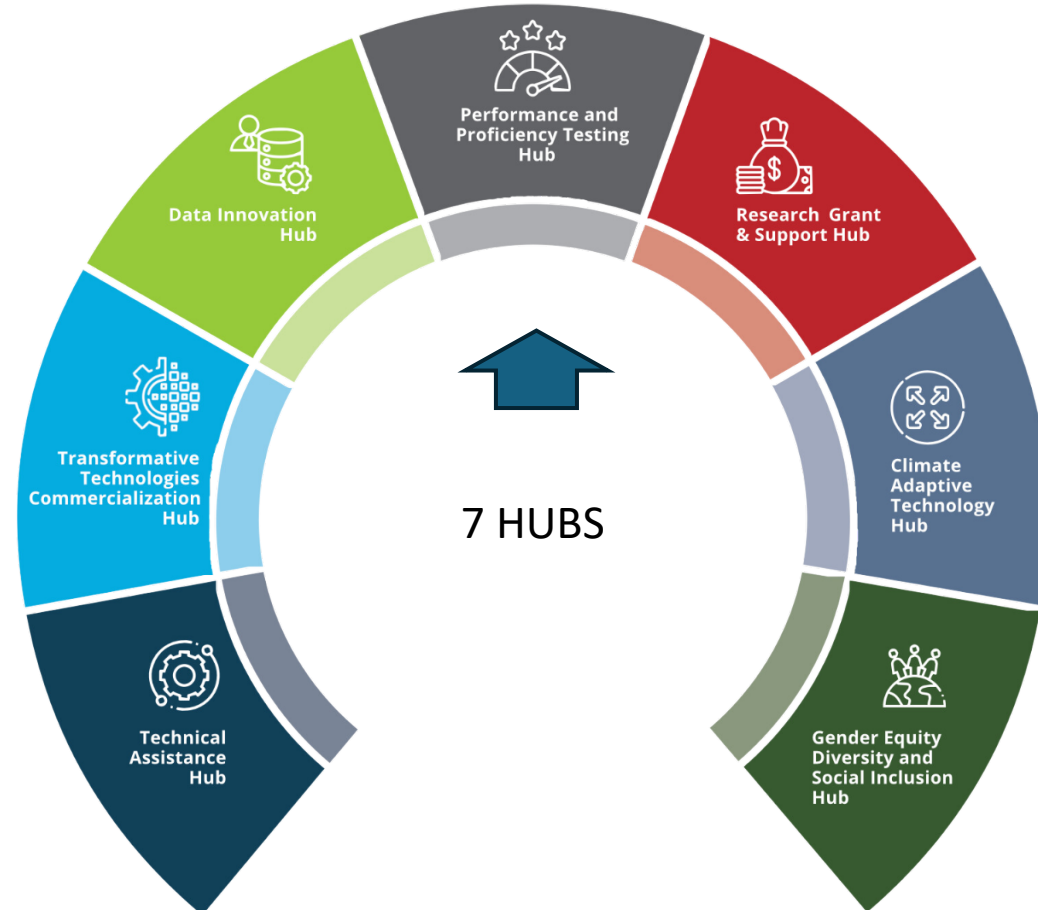


AIT
Asian Institute of Technology

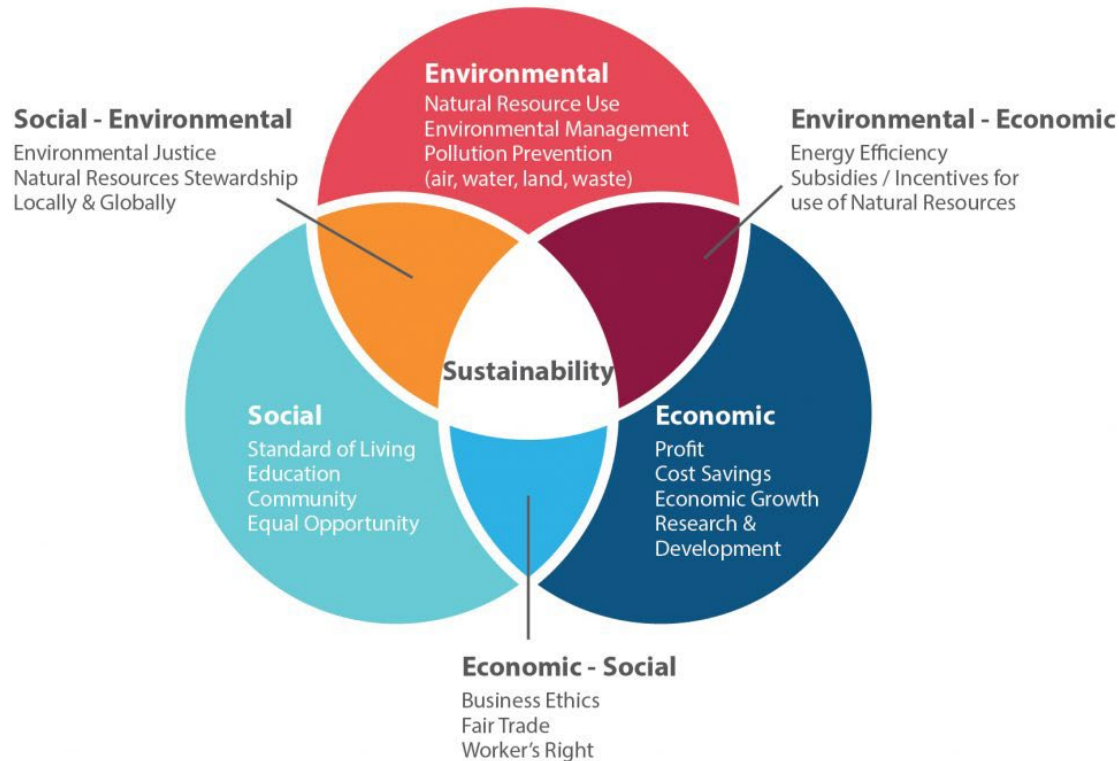
Global Water & Sanitation Center

An Impact Accelerating Platform

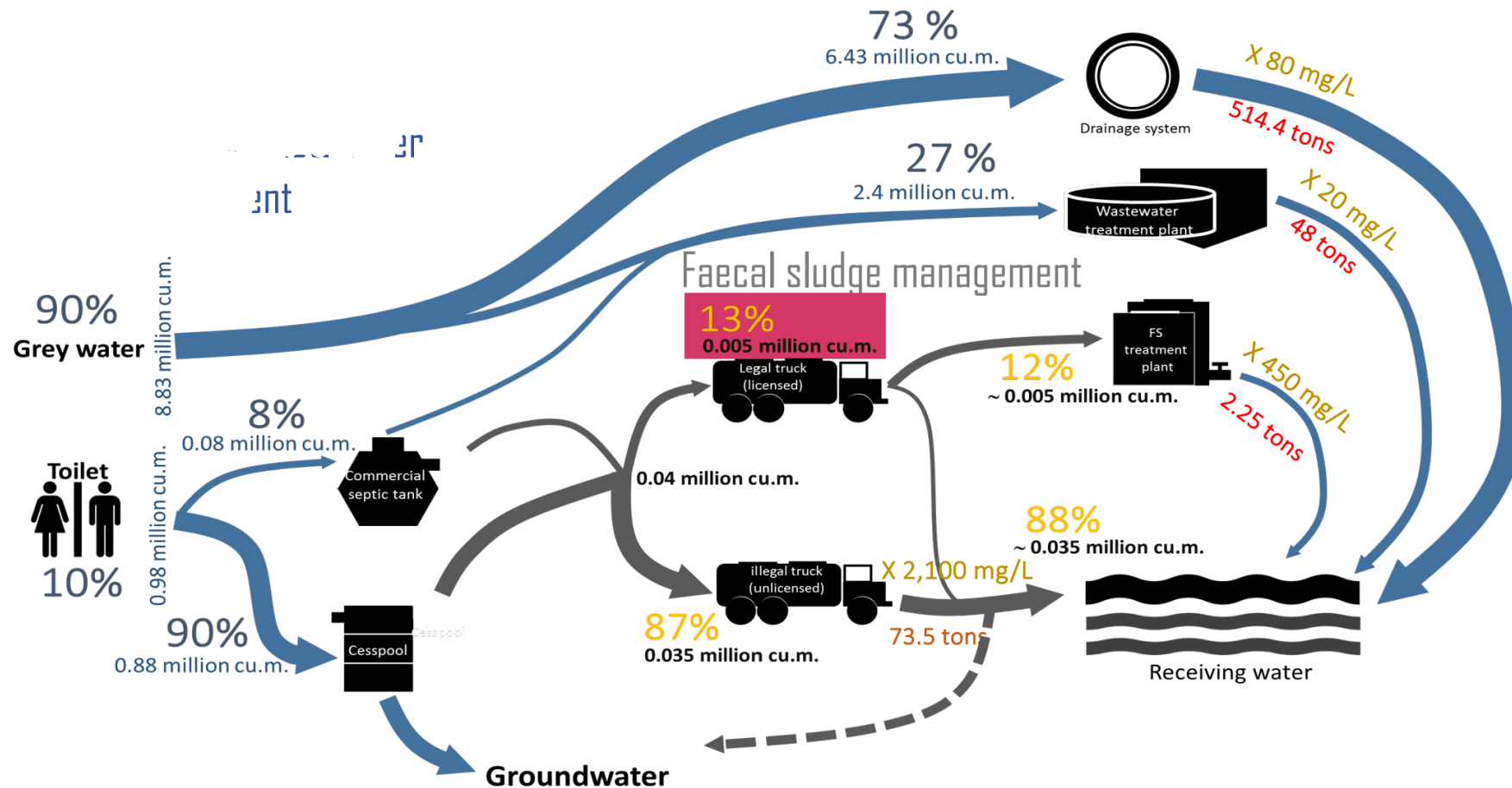
- A Center of Excellence in transforming water and sanitation system through innovation, capacity building, collaborative partnerships, ensuring universal access to safe, inclusive, and sustainable WASH services for all in Asia and beyond.



How do standards support SDGs?



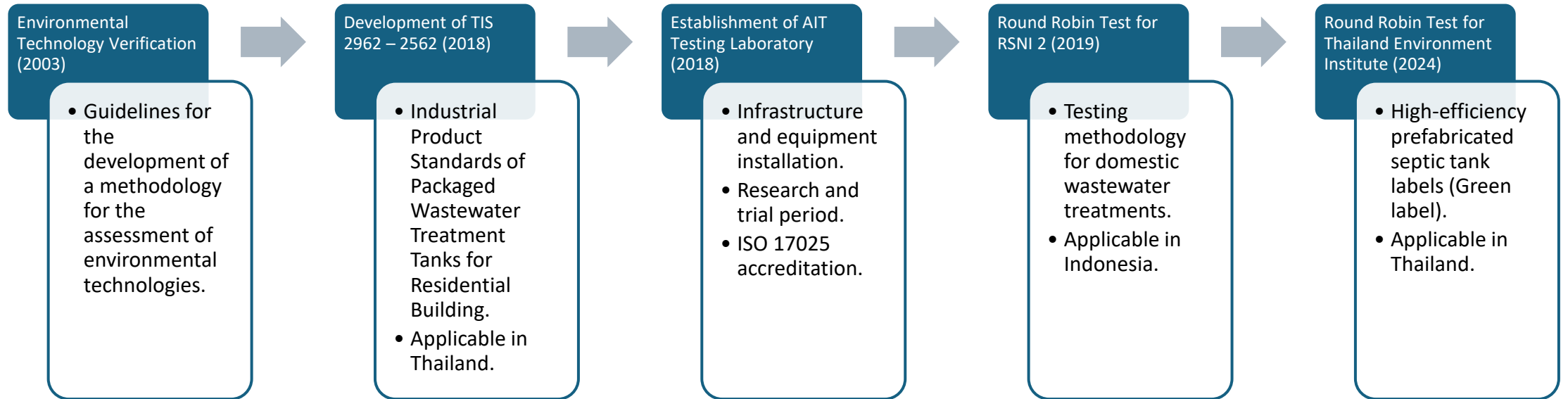
Current Domestic Wastewater Management: Challenges and Opportunities



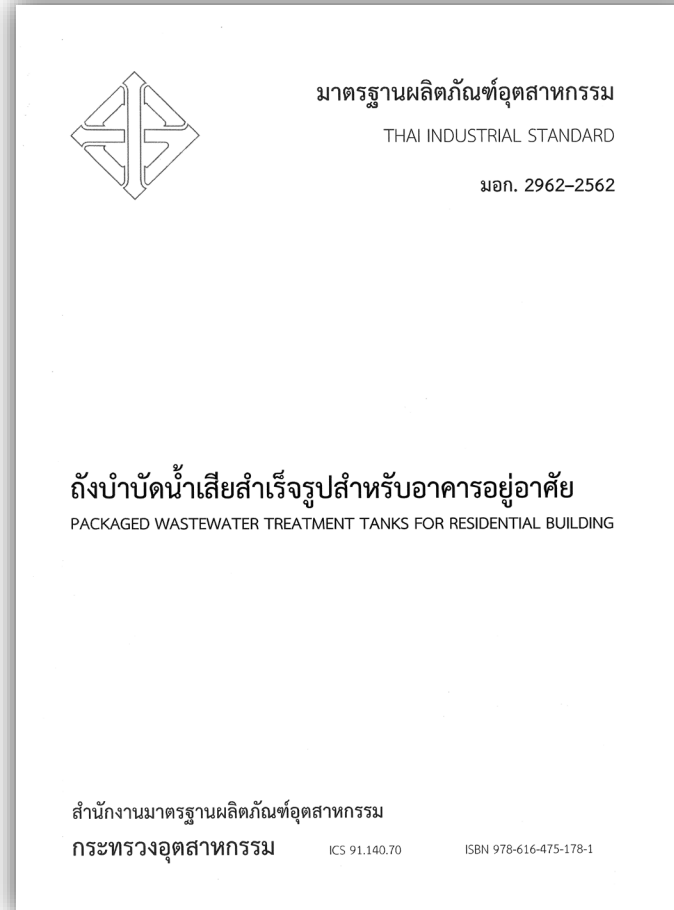
Standards – Many ways to support public policies



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



Ways 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 markets**.
- **Sustainability**
 - 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.

THANK YOU



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