SDG 6 Clean Water & Sanitation

ITS SDG Report 2025



ITS contributes to SDG 6 by developing water-related technologies, supporting access to clean water, and engaging communities in water and sanitation initiatives. Its engineering and research capabilities provide a foundation for solutions addressing drinking-water access, water quality, and environmental management. In 2025, ITS-related initiatives included water stations, clean-water wells, community sanitation activities, and the development of drinking-water technology. These activities demonstrate how research and institutional partnerships can be applied to practical water challenges. Collaboration with alumni, public institutions, industry, and local communities helps extend the reach of water-related interventions. Long-term effectiveness depends on water quality, reliable operation, and appropriate maintenance. Monitoring access, service continuity, and water-quality indicators would strengthen the evidence of progress under SDG 6.

380
publications

138,991 m^3
volume of water used

SDG 6 Clean Water & Sanitation

ITS SDG Report 2025

Research

ITS develops and applies engineering knowledge to water treatment, water supply, sanitation, and environmental management. Research and innovation in drinking-water technology demonstrate the potential to translate technical expertise into practical applications. Community sanitation projects also provide opportunities to adapt water-related solutions to local conditions. Further reporting of technical performance, water quality, operating costs, and system reliability would help establish the effectiveness of these solutions.

Teaching

ITS provides students with opportunities to apply engineering and environmental knowledge to water and sanitation challenges. Practical projects can connect classroom learning with water treatment, infrastructure design, and community needs. Community-based programmes also expose students to the importance of maintenance, public participation, and appropriate technology. These experiences help students understand that sustainable water services require both technical performance and effective management.

Stewardship

Responsible water management is relevant to campus operations, research facilities, and institutional sustainability. Water infrastructure and refill stations can support access to drinking water while reducing dependence on single-use bottled water. Appropriate management of water systems requires attention to water quality, maintenance, and efficient consumption. Recording water use, quality testing, infrastructure coverage, and operational performance would strengthen the evidence of ITS's campus-level contribution to SDG 6.

Outreach

ITS-related outreach initiatives seek to improve access to water and sanitation in communities. In September 2025, YMI and IKA ITS established ten clean-water wells in different regions to support communities with limited access to clean water. Community sanitation activities, including student-led programmes, also demonstrate the application of technical knowledge to local needs. Reporting beneficiary numbers, water availability, water-quality results, and maintenance arrangements would help establish the long-term value of these interventions.