SDG 9 Industry, Innovation & Infrastructure

ITS SDG Report 2025



ITS contributes to SDG 9 by developing research, technological innovation, industry partnerships, and infrastructure that support sustainable industrial development. The university connects scientific and engineering expertise with opportunities to create practical solutions for public and private-sector challenges. In 2025, TENNOVEX provided a platform for researchers, students, and startups to showcase technologies in areas such as robotics, artificial intelligence, maritime technology, automotive engineering, and environmental solutions. ITS also continued to develop collaborations relevant to emerging strategic sectors, including semiconductors. Commercialisation initiatives provide pathways for research outputs to reach users and markets. These activities reinforce the role of universities as contributors to national innovation capacity. Evidence on technology adoption, patents, commercialisation, and industry investment would help demonstrate the scale of this contribution.

659
publications

2,834
number of faculty staff

130
number of university spinoffs

IDR 611.58 billion
research income from industry & commerce

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Research

ITS research addresses engineering, digital technology, manufacturing, maritime systems, environmental challenges, and other areas relevant to industrial innovation. TENNOVEX 2025 showcased technologies such as the RAISA Humanoid Robot, AI Education Robot, and WasteTrack, illustrating the breadth of the innovation ecosystem. Research collaboration can help translate technical knowledge into solutions with industrial and societal applications. Documenting research outputs, technology readiness, intellectual property, and adoption by external users would strengthen evidence of research impact.

Teaching

ITS connects engineering education with applied innovation through design projects, competitions, laboratories, and startup development. Students gain opportunities to design prototypes, test technical solutions, and communicate their results to external audiences. Innovation showcases allow students to see how research and product development can address practical needs. These experiences help develop the technical and entrepreneurial capabilities required in advanced manufacturing and technology-driven industries.

Stewardship

ITS supports innovation through institutional facilities, research infrastructure, technology-transfer mechanisms, and programmes that connect researchers with external partners. The university's innovation ecosystem can help coordinate the development, demonstration, and commercialisation of technologies. Maintaining suitable infrastructure and transparent processes is important for ensuring that research investments generate value. Monitoring research-facility use, intellectual property, industry-funded projects, and commercialisation outcomes would provide a stronger account of institutional performance.

Outreach

ITS engages with industry, government, investors, and communities to extend the reach of research and innovation. TENNOVEX 2025 provided a platform for external stakeholders to explore technologies developed by the ITS community. Collaboration with industry can create opportunities for testing, adoption, and further development of research outputs. Recording partnership agreements, pilot projects, technologies adopted, and benefits to external users would help demonstrate the contribution of ITS to sustainable industrial development.