

Indicator 7.4.5

AY 2024 - 2025



Saint Louis University

Assistance to low-carbon innovation



7 AFFORDABLE AND
CLEAN ENERGY



SLU's Commitment to SDG 7.4.5: Assistance to Low-Carbon Innovation

Published in the SLU Website

URL: <https://www.slu.edu.ph/2023/10/12/saint-louis-university-renews-commitment-to-philippine-low-carbon-transportation-project/>

Consortium-Based Research and Innovation Infrastructure

Saint Louis University (SLU) demonstrates a strong commitment to supporting low-carbon innovation, primarily through strategic consortium-based research, the establishment of innovation infrastructure, and the active commercialization support for faculty and student outputs. This commitment directly addresses the criteria for SDG 7.4.5 (Assistance to low-carbon innovation) by facilitating the development, testing, and deployment of clean energy technologies.

SLU's most prominent contribution is its role as a key player in collaborative low-carbon transportation research, providing necessary infrastructure and expertise.

- **Low Carbon Transportation (LCT) Consortium:** SLU is a principal member of Dalan ni Taltallak, a consortium for LCT research and innovation in the Philippines, in partnership with the Department of Transportation (DOTr) and the United Nations Development Programme (UNDP). This partnership involves:
 - **Research & Policy Guidance:** Conducting research to develop and implement low-carbon and alternative transportation networks and providing research-based guidance for local policies, particularly for Baguio City.
 - **Innovation Mandate:** The MOA with the City Government states the universities' agreement to assist in the validation and testing of low-carbon vehicles and support the city's innovation endeavors.
- **Dedicated LCT Research Laboratory:** SLU has established its own Low Carbon Transportation (LCT) Research Laboratory, named after the consortium, “Dalan ni Taltallak Laboratory” within the School of Engineering and Architecture (SEA). This lab was supported by a donation of hardware and simulation software from the UNDP, specifically intended to ensure the continuity of research projects on LCT and other climate action initiatives. This provides a crucial physical space and tools for faculty and students to conduct low-carbon R&D.



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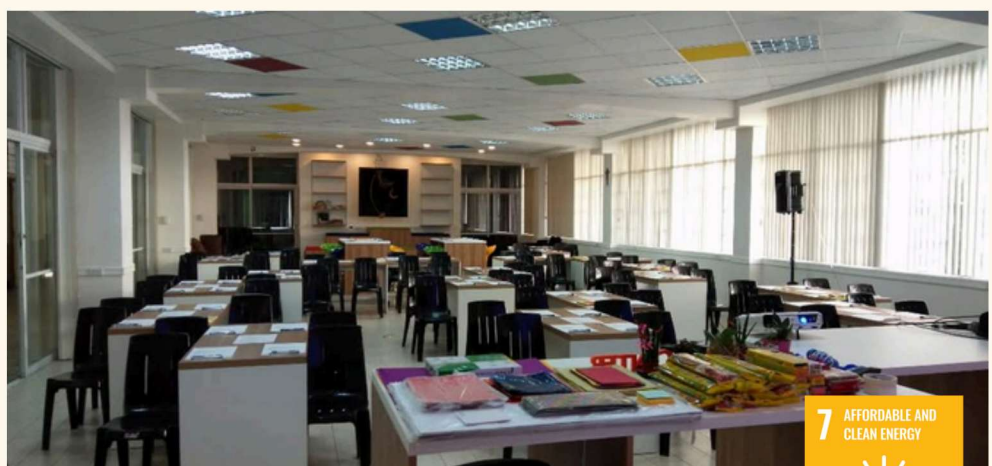
Published in the SLU Website

URL: <https://www.slu.edu.ph/2025/10/21/slu-launches-3-year-sdg-plan/>

Support for Innovation and Commercialization

SLU has institutional mechanisms to assist faculty and students in translating their low-carbon innovations into practical, marketable applications.

- **The SLU Incubator for Research, Innovation, and Business (SIRIB) Center:** The SIRIB Center serves as a key venue for promoting innovative outputs, as demonstrated by the iCREaTe Research Conference which specifically promoted research and innovation outputs aligned with the SDGs, including SDG 7. This center functions to nurture ideas and foster the link between conceptualization and implementation.
- **Innovation Services & Intellectual Property (IP) Protection:** The University Research, Innovation, and Sustainable Extension Center's (RISE) Technology Transfer Office actively encourages faculty and students to protect and commercialize their creative outputs, inventions, and innovations, which would include low-carbon technologies developed in-house.
 - The office assists with IP protection (like patents) and actively advocates for and supports social and non-commercial licenses, ensuring that the knowledge transfer prioritizes public benefit and adoption of clean technologies beyond just economic profit.
- **Strategic SDG Alignment:** SLU's future planning explicitly targets innovation, with the School of Engineering and Architecture (SEA) specifically tasked to focus on SDG 7 (Affordable and Clean Energy) and SDG 9 (Industry, Innovation, and Infrastructure) in the university's 3-year SDG Plan (2025-2028).



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URL: <https://www.slu.edu.ph/2024/10/14/slu-achieves-significant-energy-savings-through-solar-power/>

Practical Deployment of Technology

SLU goes beyond research by actively piloting and deploying clean energy technology both on and off campus.

- **On-Campus Low-Carbon Technology Adoption:** SLU implements a low carbon footprint strategy including the use of clean renewable energy and low carbon technologies in its buildings and equipment, serving as a real-world testing ground.
 - The installation of solar panels and a commitment to sustained energy savings demonstrates the university's willingness to invest in and validate these technologies.
- **Community Extension Projects:** Faculty-led initiatives, such as those from the SEA Electrical Engineering Department, collaborate with local partners to spearhead transformative projects like the Solar-Powered Street Lamp Initiative, directly deploying clean energy solutions in local, underserved communities.

