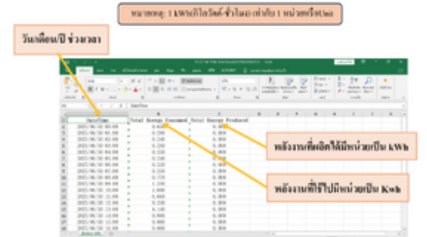
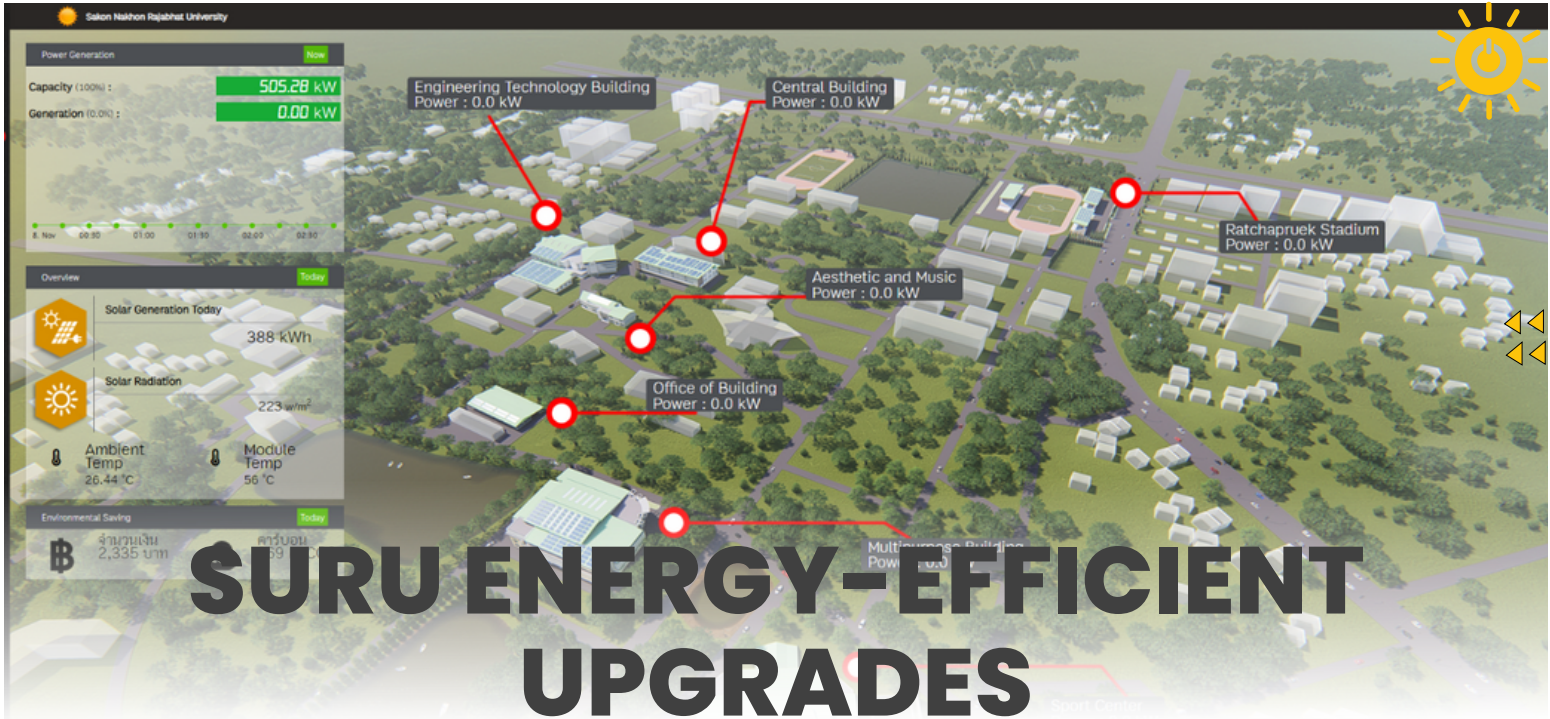


7

AFFORDABLE AND
CLEAN ENERGYEngineering Technology Building
Power : 0.0 kWCentral Building
Power : 0.0 kWAesthetic and Music
Power : 0.0 kWOffice of Building
Power : 0.0 kWMultipurpose Building
Power : 0.0 kW

AFFORDABLE AND CLEAN ENERGY

- SURU ENERGY-EFFICIENT UPGRADES
- THE CARBON EMISSION REDUCTION PROCESS
- LOCAL COMMUNITY OUTREACH FOR ENERGY EFFICIENCY



Sakon Nakhon Rajabhat University (SNRU), or SURU, has actively implemented extensive energy-efficient upgrades across its campus, primarily through the installation of Solar Photovoltaic (PV) systems. The university map illustrates a widespread deployment strategy, with solar panels installed on multiple key buildings, including the Engineering Technology Building, the Central Railway area, and the Industrial Education facilities. The installation photos confirm the physical placement of the solar panels on the rooftops of various campus buildings. Furthermore, the inclusion of monitoring dashboards indicates that SNRU is actively tracking the system's performance, generation efficiency, and overall energy savings, demonstrating a comprehensive commitment to renewable energy integration and sustainable energy management on campus.

THE CARBON EMISSION REDUCTION PROCESS



SNRU Commits to Carbon Reduction: 1,600 Saplings Planted on World Environment Day

On the occasion of World Environment Day, June 5th, SNRU launched a major environmental initiative, opened by the president, Asst. Prof. Chakrit Chanchitpreecha. Acknowledging that environmental problems and wasteful resource use directly impact human life, the Buildings, Grounds, and Vehicles Division emphasized sustainable resource management. The core activity, "Planting a Great Forest," directly contributed to the Carbon Emission Reduction Process by significantly increasing the university's green area and carbon sink capacity. The goal was to instill an environmental conservation awareness and encourage wise resource use, while improving the landscape for a beautiful and cool campus environment. This effort fostered consciousness and participation among personnel in resource

maintenance, and was significantly bolstered by support from the Sakon Nakhon Provincial Office of Natural Resources and Environment (PONRE), which provided 1,600 saplings for the planting activity.

SNRU Advances Sustainability: Personnel Trained on Organizational Carbon Footprint Assessment



The Department of Environmental Science at Sakon Nakhon Rajabhat University (SNRU) organized a crucial practical workshop on July 17, 2024, titled "Carbon Footprint of Organization (CFO) Assessment." The objective of this training was to equip university personnel with the necessary knowledge and skills to measure the amount of greenhouse gases emitted from all organizational activities. The session featured an expert speaker from the Thailand Environment Institute. This practical training focused on collaboration and the use of analytical tools to calculate and report CFO values. This marks a significant step in establishing a carbon emission reduction strategy and reinforces the university's commitment to sustainable environmental management, aiming to achieve its goal as an environmentally responsible Green University.



EV Charging Station Opens at SNRU

Sakon Nakhon Rajabhat University (SNRU) is enhancing its sustainable infrastructure with the imminent launch of its new electric vehicle (EV) charging station.

The station, branded as NEWS & SNRU EV Charging Station, is nearly operational, with only the finalization of the charging rate calculation system pending. This new facility supports sustainable transportation by offering a CCS2 charging standard with a maximum charging power of 25 kW. The installation underscores SNRU's commitment to supporting the transition to electric mobility and achieving its sustainable development goals.

Energy efficiency improvement

Sakon Nakhon Rajabhat University (SNRU) and its research division are strategically focusing on energy management to realize significant energy savings across the campus, which is a crucial part of The Carbon Emission Reduction Process.

The core strategy involves the deployment of sustainable technology, specifically LED lighting and lamps with light detection, alongside other measures like insulation. The university has achieved a significant milestone in its lighting modernization program:

- Out of a total of 35,837 installed lamps, 18,172 have been converted to energy-efficient appliances.
- This represents an impressive conversion rate of 50.71%.

This extensive deployment of LED technology directly reduces the university's overall electricity consumption, leading to a substantial decrease in the Scope 2 carbon emissions generated from electricity production. This action confirms SNRU's commitment to sustainable operations and its active contribution to mitigating climate change.



LOCAL COMMUNITY OUTREACH FOR ENERGY EFFICIENCY



SNRU Industrial Tech Faculty Empowers Local Farmers with Renewable Energy Solutions



The Faculty of Industrial Technology at Sakon Nakhon Rajabhat University (SNRU) conducted a vital community development project in Ban Nahi, Akat Amnuay District, Sakon Nakhon Province, as part of the Rajabhat University Strategy for Local Development (FY 2024). The initiative focused on the transfer of knowledge and innovation in renewable energy to local communities. The primary objective was to equip local farmers and residents with the necessary skills and technology to implement renewable energy solutions, thereby reducing their operational costs in agriculture. The images confirm the hands-on nature of the outreach program, showing faculty engaging with community members in training sessions and demonstrating the use of renewable energy equipment, underscoring SNRU's commitment to supporting sustainable livelihood and local economic development through practical technology transfer.



SNRU Outreach Teaches Local Community Appliance Repair and Maintenance

SNRU organized a community outreach program focused on practical skill development for local residents. The activity was titled: Project on techniques for inspection, repair, and maintenance of everyday appliances and tools on July 18–19 2024 at Ban Huai Lek Fai School in Nikom Nam-Un Subdistrict, Nikom Nam-Un District, Sakon Nakhon Province. The project aimed to transfer essential technical skills to local community members. By teaching participants how to properly inspect, repair, and maintain their daily-use appliances and tools, the university helps extend the lifespan of these items, reduce household costs, and indirectly promotes energy efficiency by ensuring devices operate optimally.

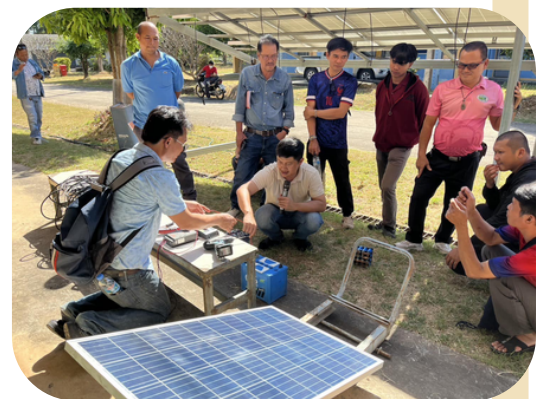


Clean Energy Skills Training at SNRU



Sakon Nakhon Rajabhat University (SNRU) organized a training activity directly promoting clean energy and energy efficiency, highly relevant to local community outreach. The event, held on July 19, 2024, was a workshop on battery technology and solar power system installation. This practical training aimed to build foundational, employable skills among graduates and provide knowledge to alumni. The core focus on solar power system installation is a direct form of clean energy technology transfer. By teaching proper installation and integrating battery technology for energy storage, the program also addresses energy efficiency, ensuring that the generated clean energy is utilized and managed optimally. While the audience was targeted toward alumni, this type of vocational skill training often extends its benefits to the broader local community, empowering residents with expertise in the burgeoning clean energy sector.

SNRU Expertise Supports Kalasin Labor Development: Practical Workshop on Solar Battery Assembly Concluded



SNRU actively supports the shift to clean energy and workforce development by transferring expertise to the local community. Through comprehensive training on Solar Power System Installation and Battery Technology, SNRU equips graduates, alumni, and local workers with high-demand skills. A notable collaboration with the Kalasin Provincial Department of Skill Development focused on the practical assembly of solar batteries to upskill the regional labor force. Furthermore, the university conducts programs teaching the maintenance and repair of everyday appliances, which indirectly promotes energy efficiency and reduces household costs. This multifaceted approach underscores SNRU's commitment to enhancing local employability and driving regional sustainability through clean energy technology transfer.