



國立勤益科技大學
NCUT
National Chin-Yi University of Technology

University : National Chin-Yi University of Technology
Country : Taiwan
Web Address : www.ncut.edu.tw



[SDGs] Affordable and Clean Energy

[7.2.1] Does your university as a body have a policy in place for ensuring all renovations / new builds are following energy efficiency standards? (relevant standards to be indicated)

NCUT Policy on Energy Efficiency for Renovations and New Builds

NCUT has adopted a formal policy to ensure that all new buildings and major renovations comply with energy efficiency and sustainability standards.

1. Compliance with National Standards

- All new buildings and major renovations at NCUT are required to comply with Taiwan's EEWH Green Building Label (Ecology, Energy Saving, Waste Reduction, and Health).
- EEWH certification requires:
 - **Energy-saving equipment** (LED lighting, high-efficiency HVAC, insulation).
 - **Water efficiency measures** (low-flow devices, rainwater harvesting).
 - **Waste reduction practices** during construction.
 - **Indoor environmental quality standards** for air, lighting, and health.

2. ISO 50001 Energy Management System

- NCUT applies the ISO 50001 international standard to guide policy development, regulatory compliance, energy performance reviews, and continuous improvement.
- This ensures measurable reductions in energy use across all facilities.

3. Green Building Label (EEWH) – Taiwan National Standard

- All new and renovated buildings are designed to meet the EEWH Green Building Label requirements set by the Ministry of the Interior.
- Performance indicators include landscaping, water retention, energy efficiency, carbon footprint reduction, waste reduction, and sewage management.
- Older buildings have been systematically renovated to comply, while new builds are certified under EEWH.

4. Integration into Campus Development

- NCUT's Sustainable Campus Development Policy embeds energy efficiency as a core requirement for all facilities.

- Recent buildings, such as the Library Information Center and Guoxiu Hall, were designed with energy-saving lighting, smart energy management systems, and water-recycling features.
- Renovation projects systematically replace outdated equipment with energy-efficient appliances and building materials.

5. Application of Green Materials and Methods

- Renovations and constructions apply green building materials, with at least 60% of indoor materials and 20% of outdoor materials meeting green standards.
- Use of recyclable steel and wood reduces reliance on carbon-intensive reinforced concrete, lowering CO₂ emissions.

6. Recognition

- NCUT has been recognized by the Taiwan EPA and Ministry of Education for its energy-efficient green campus practices.
- Policy documents emphasize continuous improvement, ensuring every new or upgraded facility contributes to the university's net-zero strategy.

Relevant Standards

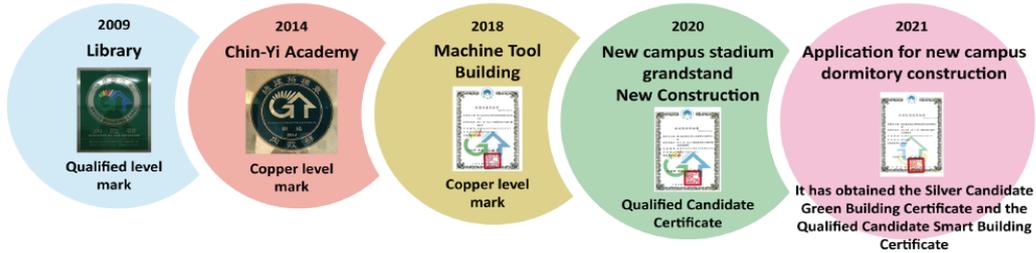
- **ISO 50001 Energy Management System (International)**
- **EEWH Green Building Label (Taiwan National Standard)**
- **Ministry of the Interior Revised Green Building Regulations (Taiwan)**

Contribution to SDGs

- **SDG 7 – Affordable and Clean Energy:** Embeds energy efficiency into campus infrastructure.
- **SDG 9 – Industry, Innovation, and Infrastructure:** Develops sustainable, smart buildings.
- **SDG 11 – Sustainable Cities and Communities:** Provides a model for green campus design.
- **SDG 13 – Climate Action:** Reduces emissions through energy-saving construction practices.

C. Green Building on Campus

The campus of this school adopts low-level development and use, with thousands of trees, including more than 600 camphor trees. In 2020, the school won the honor of World Green University and ranked 95 in the world. See the following about the green buildings on campus.



The status of the NCUT's green building marks



Library: Qualified Green Building Mark



Chin-Yi Dormitory:
Bronze Grade Green Building Mark

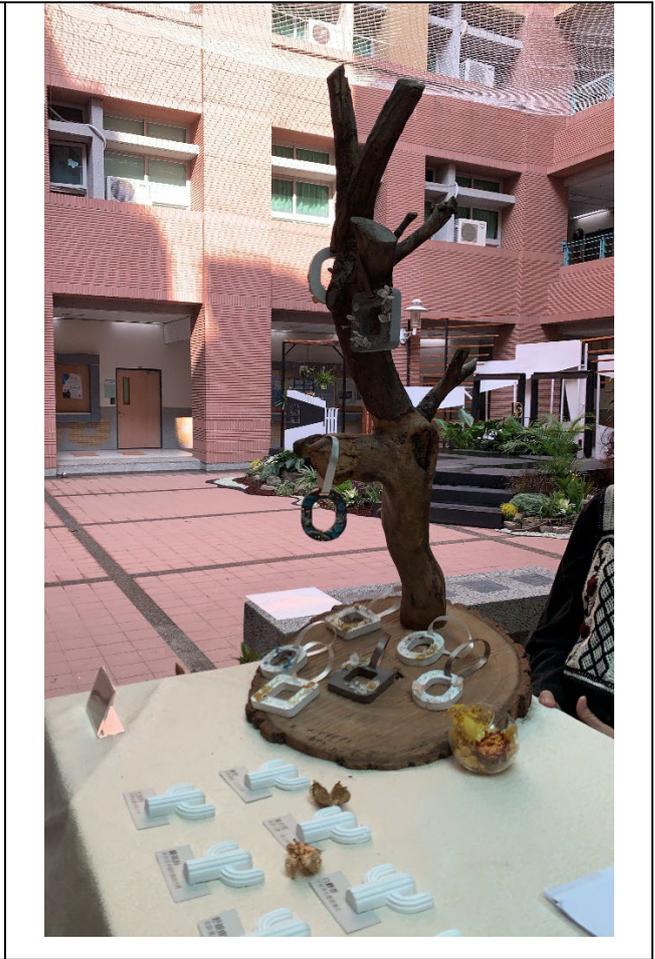
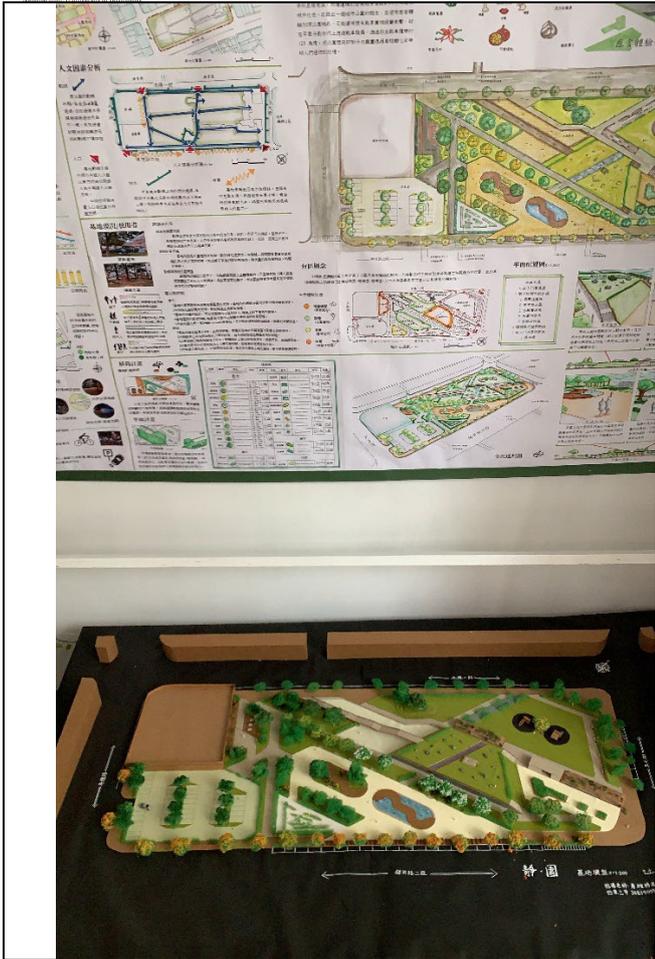


The certification (ISO50001) of NCUT's energy management system





Green Building on Campus



Landscape Department Green Building Design and Materials Exhibition





Green Building -- Library