

# Template for Evidence(s)

## UI GreenMetric Questionnaire

University : King Mongkut's Institute of Technology Ladkrabang

Country : Thailand

Web Address : <http://www.sustainable.kmitl.ac.th/>

### 2. Energy and Climate Change (EC)

#### 2.4. Number of renewable energy sources on campus (EC.3)



#### 1. Solar PV Systems on Campus (1,124 solar panels, 163,590.3 kWh/years)

King Mongkut's Institute of Technology Ladkrabang (KMITL) has shown its commitment to sustainable development by integrating renewable energy systems into its campus infrastructure. The university emphasizes the importance of reducing carbon emissions, enhancing energy efficiency, and transitioning to clean energy sources. At present, KMITL has implemented solar photovoltaic (PV) systems as its primary form of renewable energy. KMITL has installed a total of **1,124 solar panels** across various buildings and facilities. These panels are primarily mounted on rooftops of academic buildings and administrative facilities to take advantage of direct sunlight throughout the day.

The solar PV systems help generate a total of approximately **163,590.34 kilowatt-hours (kWh) of electricity per year**, which averages around **13,632.53 kWh per month**. This electricity is used to power lighting, air conditioning systems, laboratories, and other essential functions across the campus.

Additional evidence link:

[https://www.kmitl.ac.th/article/renewable-energy?utm\\_source](https://www.kmitl.ac.th/article/renewable-energy?utm_source)  
[https://sdg.kmitl.ac.th/1231/?utm\\_source](https://sdg.kmitl.ac.th/1231/?utm_source)

## 2. Biogas



## 3. Wind energy



Small-scale renewable energy systems are installed at both the KMITL main campus and the KMITL Prince of Chumphon campus, contributing to sustainable energy use and environmental responsibility.