

Istanbul Topkapı University Energy Efficiency Policy

Istanbul Topkapı University considers energy efficiency to be a fundamental responsibility for a sustainable future. Our university implements its energy efficiency policy with the aim of promoting the effective and efficient use of energy resources, reducing its carbon footprint, and minimising negative impacts on the environment. This policy aims to promote a culture of energy efficiency both in campus operations and educational activities.

Core Values

The Energy Efficiency Policy of Istanbul Topkapı University is based on the following fundamental values:

1. **Sustainability:** Energy efficiency is at the heart of environmental sustainability. The university is committed to contributing to the conservation of natural resources by reducing energy consumption.
2. **Responsible Use of Resources:** The efficient and effective use of energy resources means preserving resources for future generations. Our university integrates energy-saving practices into all its operations.
3. **Reducing Carbon Emissions:** The university aims to reduce its carbon footprint through energy efficiency policies and contributes to the fight against climate change.
4. **The Use of Innovative Technologies:** In energy efficiency initiatives, the use of innovative technologies and the latest solutions is encouraged. Renewable energy sources are prioritised.
5. **Awareness and Participation:** Our university prioritises raising awareness of energy efficiency among students, academic and administrative staff, and ensuring the participation of all stakeholders in this process.

Energy Efficiency Policy Strategies

Istanbul Topkapı University implements its energy efficiency policy through the following strategies:

1. **Energy Efficient Building Design:** All newly constructed buildings are built according to energy-efficient design principles to maximise energy savings. Existing buildings are renovated to improve their energy efficiency. Green buildings prioritise natural lighting and thermal insulation.
2. **The Use of Renewable Energy:** By increasing the use of solar, wind and other renewable energy sources, a large portion of the campus's energy needs are met from these sources. Renewable energy technologies such as solar panels and energy storage systems are encouraged.
3. **Energy Saving Projects:** Projects aimed at reducing the energy consumption of lighting, heating, cooling and electronic devices are continuously developed. Energy-saving technologies such as LED lighting systems, motion-sensor lights and smart thermostats are becoming increasingly widespread.

4. **Building Energy Management Systems:** Energy consumption is continuously monitored and optimised using building automation systems (BAS). Thanks to these systems, energy consumption data are regularly analysed, savings opportunities are identified, and necessary measures are taken.
5. **Awareness and Education Programs:** In order to raise awareness of energy conservation, regular training programmes and awareness campaigns are conducted for students and staff. A culture of energy efficiency is internalised in the university's daily life.
6. **Promotion of Electric and Hybrid Vehicles:** The university encourages the use of electric and hybrid vehicles on campus. Charging stations are installed for electric vehicles, supporting sustainable transport solutions.
7. **Monitoring and Reporting of Energy Consumption:** The university produces regular reports to monitor and evaluate its energy consumption performance. These reports are used to measure the success of energy efficiency strategies and identify new areas for improvement.
8. **Waste Energy Recovery:** Projects are developed across the campus to recover and reuse waste energy. In particular, heat recovery systems are used to prevent energy losses.

Objectives

The targets set by Istanbul Topkapı University in line with its energy efficiency policy are as follows:

1. **Reducing Energy Consumption:** Reduce energy consumption across the campus by 30%. Achieve this goal through energy efficiency projects and the use of renewable energy sources.
2. **Increasing the Use of Renewable Energy:** Providing 50% of the campus's energy needs from renewable energy sources. Rapidly expanding projects such as solar panels and wind energy.
3. **Reducing Carbon Emissions:** Reducing carbon emissions by 40 percent through energy efficiency and renewable energy projects. Minimising the negative impact on the environment by reducing the campus's carbon footprint.
4. **Promoting Energy Awareness:** Raise energy efficiency awareness among students and staff to 90%. Organise regular training and awareness campaigns to increase this awareness.
5. **Promoting the Use of Electric Vehicles:** Increase the use of electric vehicles across the campus by 20 percent and expand the electric vehicle charging stations.
6. **Increasing Energy Efficiency:** Increase energy savings by 25 percent through building automation systems. Minimise energy losses, particularly in heating and cooling systems.
7. **Supporting Waste Energy Recovery:** Increase the waste energy recovery rate to 15% and expand heat recovery systems across the campus.

These goals will be monitored regularly and necessary improvements will be made based on an assessment of their success levels. Istanbul Topkapı University will continue to contribute

to a sustainable future by fulfilling its environmental responsibilities through its energy efficiency policy.