



University : Alnoor University
 Country : Mosul / Iraq
 Web Address: <https://alnoor.edu.iq/>

SDG7: 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)

No.	Name	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m ²)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
	ALNoor University; Building A	Mosul, Iraq		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1523	
	ALNoor University; Building B	Mosul, Iraq	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2029	
	ALNoor University; Building C	Mosul, Iraq		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015		
	ALNoor University; Building D	Mosul, Iraq		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2533		
	ALNoor University; Building E	Mosul, Iraq		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3539		
	ALNoor University; Building F	Mosul, Iraq		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	525		
Total																				11164	

Smart building implementation

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

*Total Building Area: 150,000 m²

$$\frac{11000 \text{ m}^2}{11164 \text{ m}^2} \times 100\% = 98.53\%$$



Alnoor University's Energy and Sustainability Policy

Overview:

Al Noor University is committed to fostering a sustainable campus environment and contributing to a greener future. This policy outlines the university's guidelines for ensuring all renovations and new construction projects adhere to the highest energy efficiency standards.

Policy Objectives:

1. **Reduce energy consumption:** Implement strategies to minimize energy usage across all campus facilities.
2. **Promote renewable energy:** Explore and integrate renewable energy sources into university operations.
3. **Enhance energy efficiency:** Ensure that all new buildings and renovations incorporate energy-efficient design principles and technologies.
4. **Foster a sustainable campus culture:** Educate and engage the university community in sustainable practices.

Policy Guidelines:

1. **Adherence to Building Codes and Standards:** All construction projects must comply with applicable local, regional, and national building codes and energy efficiency standards, such as Iraqi building codes.
2. **Energy-Efficient Design:**
 - **Passive design:** Incorporate passive design strategies like proper orientation, shading, insulation, and ventilation.
 - **Energy-efficient materials:** Utilize high-performance materials and technologies, including low-e windows, energy-efficient lighting, and HVAC systems.
 - **Renewable energy:** Explore opportunities for integrating solar panels or other renewable energy sources.
3. **Energy Audits and Monitoring:** Conduct regular energy audits to identify areas for improvement and monitor energy consumption.
4. **Sustainable Procurement:** Prioritize purchasing energy-efficient equipment and materials.
5. **Education and Awareness:** Provide training and education to staff, faculty, and students on energy conservation and sustainability.
6. **Green Campus Initiatives:** Implement initiatives such as waste reduction, water conservation, and sustainable transportation.

Specific Targets and Goals:

- **Carbon Reduction:** Aim to reduce carbon emissions by 50% by 2030
- **Renewable Energy:** Increase the proportion of renewable energy in the university's energy mix to 30% by 2030.
- **Energy Efficiency:** Improve energy efficiency by 70% in all campus buildings.

Roles and Responsibilities:

- **Facilities Management:** Oversee the implementation of energy efficiency measures.
- **Design and Construction Teams:** Incorporate sustainable design principles into all projects.
- **Energy Management Committee:** Develop and monitor energy efficiency strategies.
- **Sustainability Officer:** Coordinate university-wide sustainability initiatives.

Review and Updates:

This policy will be reviewed and updated periodically to reflect changes in building codes, energy efficiency technologies, and best practices.

By adhering to this policy, Alnoor University can create a more sustainable campus environment, reduce operational costs, and contribute to a healthier planet.

<p style="text-align: center;">Building A</p> 	<p style="text-align: center;">Building B</p> 
<p style="text-align: center;">Building C</p> 	<p style="text-align: center;">Building D</p> 
<p style="text-align: center;">Building E</p> 	<p style="text-align: center;">Building F</p> 

Additional evidence link : <https://sustainability.alnoor.edu.iq/en/second-standard/>