



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

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 (m²)
			B1	B2	S1	S2	S 3	S 4	E1	E2	A1	A2	11	12	13	14	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

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

*Total Building Area: 150,000 m²

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





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.





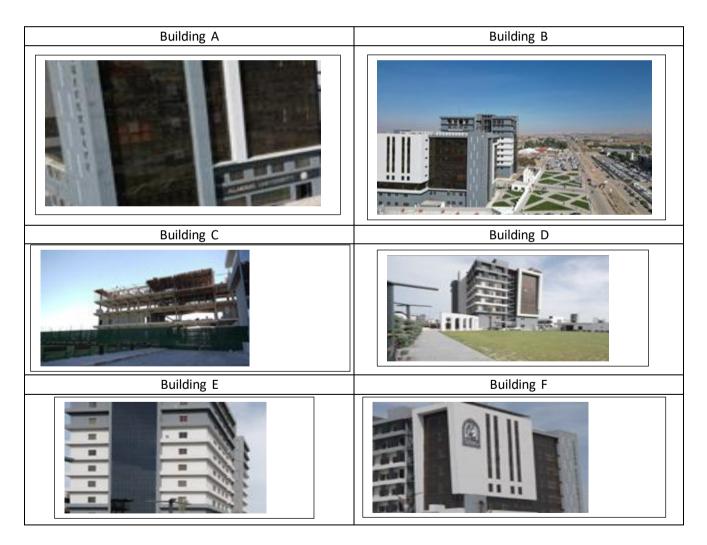
Roles and Responsibilities:

- 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.



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