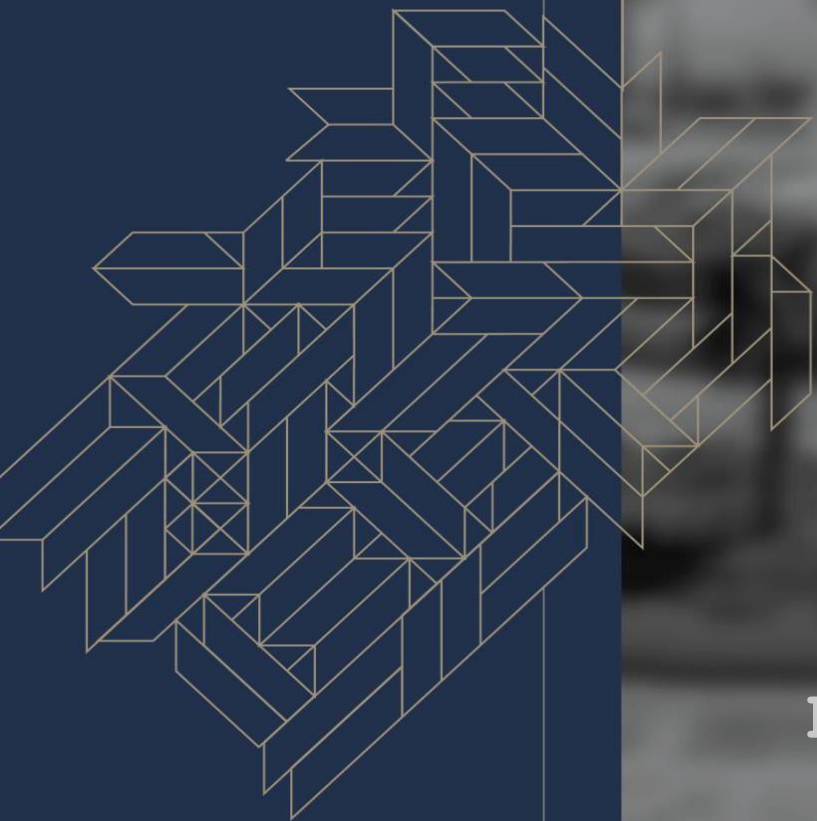




جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



SDG 7.2.1

Energy-efficient
renovation and
building

2022-2023

Table of Contents

1. IAU Active Participation in Global Event to the rationalization of Energy Consumption.....	3
2. IAU Strategic Plan 2018-2025.....	4
3. Consulting Center of IAU towards Sustainable Built Environment..	5
4. IAU Consulting Center for Buildings Energy.....	6
5. Signed a memorandum of understanding with the Gulf Laboratory Company for Electrical Equipment Inspection.....	7
6. Energy Efficient Building Practice at IAU.....	8
7. IAU Initiatives to achieve higher Energy Efficiency.....	11

1. IAU Active Participation in Global Event to the rationalization of Energy Consumption

The given IAU Webpage link (refer to 1st paragraph) shows the participation of IAU in Earth Hour, a global event by turning off external and unnecessary lights of the university campuses buildings for one hour. This attempt contributes to the rationalization of energy consumption to confront global warming.



<https://www.iau.edu.sa/en/news/iau-participates-in-earth-hour-by-turning-off-buildings-lights>

2. IAU Strategic Plan 2018-2025

The given webpage link shows the **Strategic plan of IAU 2018-2025**. This plan explained its alignment between **KSA Vision 2030** and **IAU strategic goal V-Sustain IAU campus environment**.

Under IAU Strategic Goal V, refer page no. 100, 101, 144, and 147, which describes about the **energy efficiency**:

- Initiative 5.1.1.5,
- KPI 5.1.1.5,
- Initiative 2.4.1,
- Initiative 3.2.1,
- Initiative 3.2.4,
- Initiative 3.2.5



https://www.iau.edu.sa/sites/default/files/iau_straplan_en_20jun2019.pdf



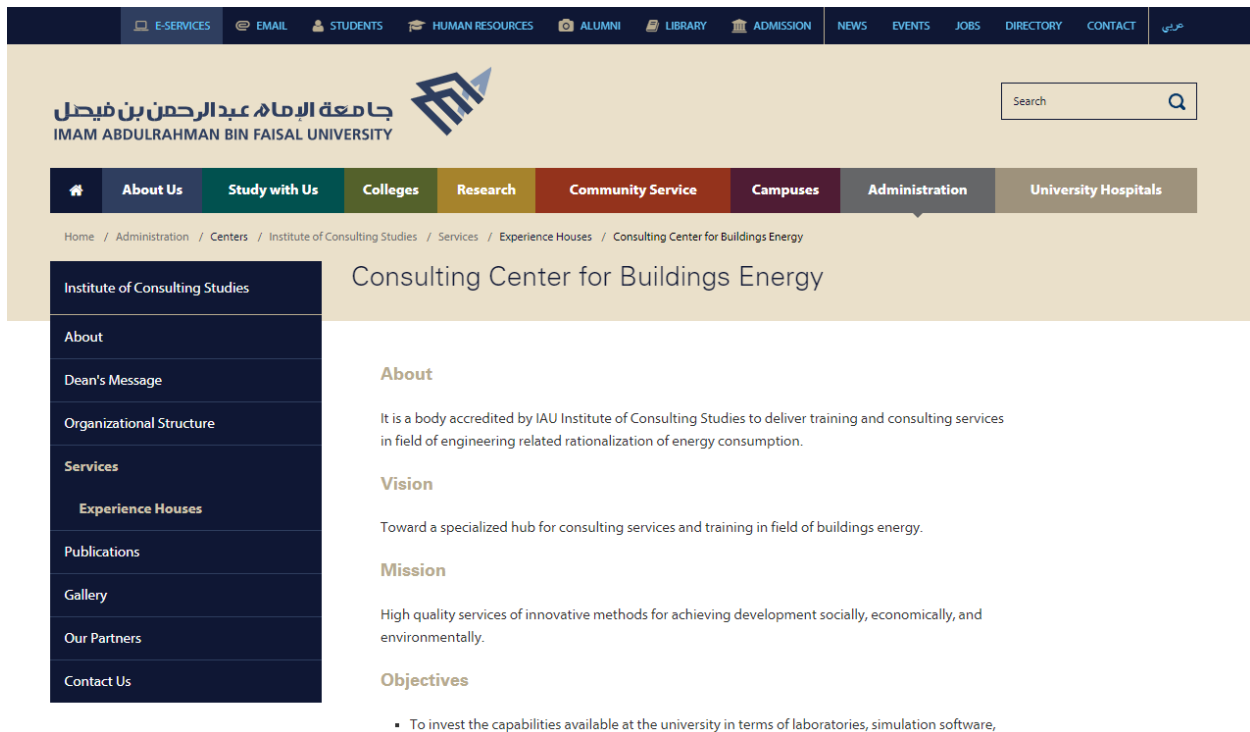
3. Consulting Center of IAU towards Sustainable Built Environment

The given webpage link (refer 2nd paragraph first 4 lines) describes about a consultancy center established by College of Architecture and Planning of IAU. This center aims to take a leading role in directing the community towards a more sustainable built environment. It organizes a number of short training courses and offers professional services to both the public and private sectors.

<https://www.iau.edu.sa/en/colleges/college-of-architecture-and-planning/deans-message>

4. IAU Consulting Center for Buildings Energy

The given webpage link (refer to About section and Scope of work section) describes about the “**consulting center for buildings energy**”, a body accredited by IAU Institute of Consulting Studies to deliver training and consulting services in field of engineering related rationalization of energy consumption. Its scope of work includes training, education and workshops in the areas of sustainability, green buildings and energy conservation. It also includes energy efficiency studies and audits of existing buildings; consultations about the efficiency of air conditioning systems; and consultations about the solar energy.



The screenshot shows the website interface for the Consulting Center for Buildings Energy at Imam Abdulrahman Bin Faisal University. The top navigation bar includes links for E-SERVICES, EMAIL, STUDENTS, HUMAN RESOURCES, ALUMNI, LIBRARY, ADMISSION, NEWS, EVENTS, JOBS, DIRECTORY, CONTACT, and عربي. The main header features the university's name in Arabic and English, a search bar, and a menu with categories like About Us, Study with Us, Colleges, Research, Community Service, Campuses, Administration, and University Hospitals. The breadcrumb trail reads: Home / Administration / Centers / Institute of Consulting Studies / Services / Experience Houses / Consulting Center for Buildings Energy. The left sidebar lists navigation options: Institute of Consulting Studies, About, Dean's Message, Organizational Structure, Services, Experience Houses, Publications, Gallery, Our Partners, and Contact Us. The main content area is titled "Consulting Center for Buildings Energy" and contains sections for About, Vision, Mission, and Objectives. The "About" section states: "It is a body accredited by IAU Institute of Consulting Studies to deliver training and consulting services in field of engineering related rationalization of energy consumption." The "Vision" section states: "Toward a specialized hub for consulting services and training in field of buildings energy." The "Mission" section states: "High quality services of innovative methods for achieving development socially, economically, and environmentally." The "Objectives" section lists: "To invest the capabilities available at the university in terms of laboratories, simulation software."

<https://www.iau.edu.sa/en/administration/centers/institute-of-consulting-studies/services/experience-houses/consulting-center-for-buildings-energy>

5. Signed a memorandum of understanding with the Gulf Laboratory Company for Electrical Equipment Inspection.

His Excellency the President of IAU Prof. Dr. Abdullah Al-Rubaish, signed a memorandum of understanding with the **Gulf Laboratory Company for Electrical Equipment Inspection**. The company was represented by CEO Eng. Saleh Al-Omari, in the presence of the Dean of the College of Engineering, Dr. Murad Al-Thubaiti.



3:21 PM - Oct 24, 2022

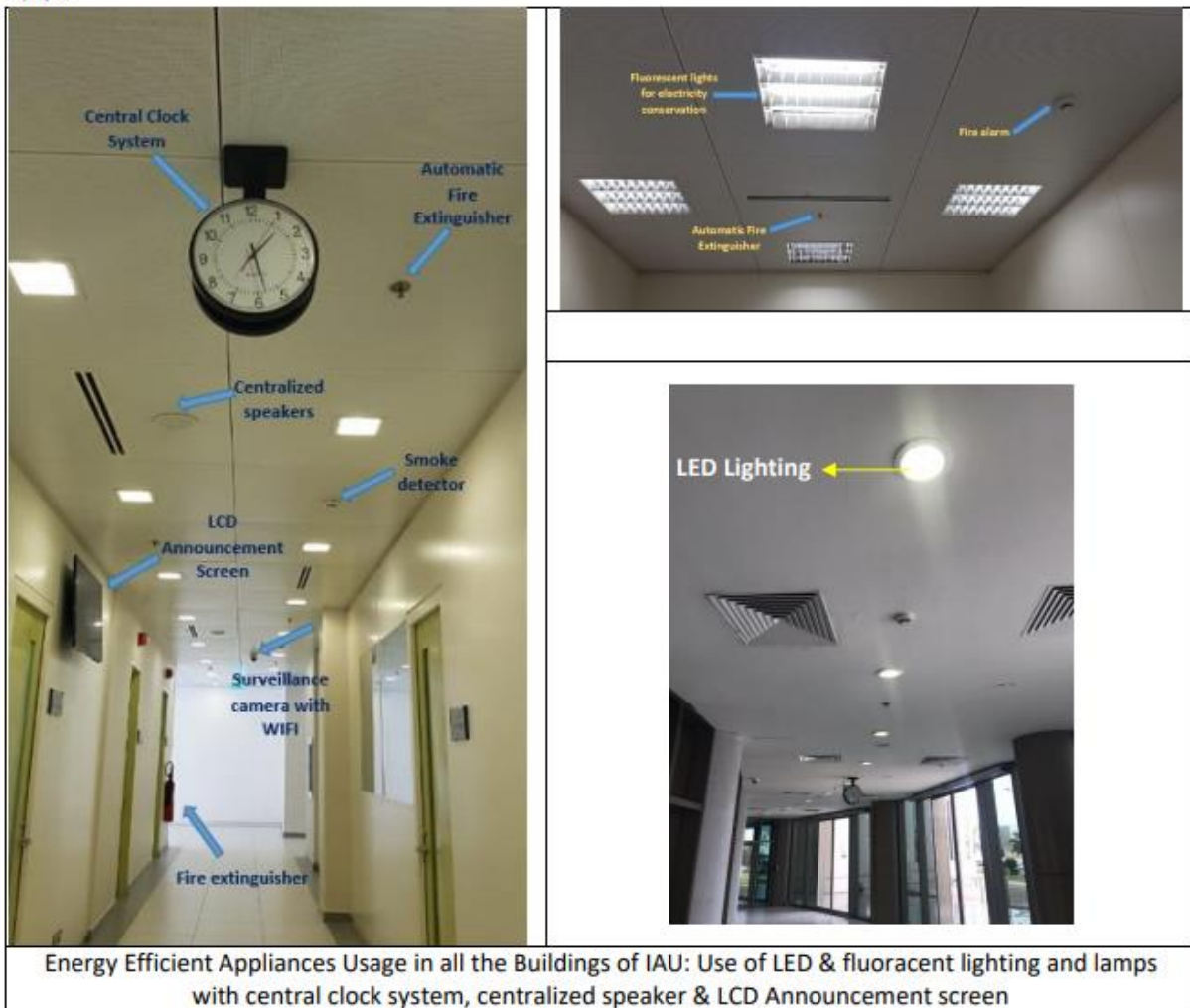
https://twitter.com/IAU_KSA/status/1584520569055490048

6. Energy Efficient Building Practice at IAU

The given PDF link describes energy efficient usage in IAU in the following Parts:

- PART A: Sustainable system for Outdoor Signage
- PART B: Optimized Eco-friendly Buildings

Part A

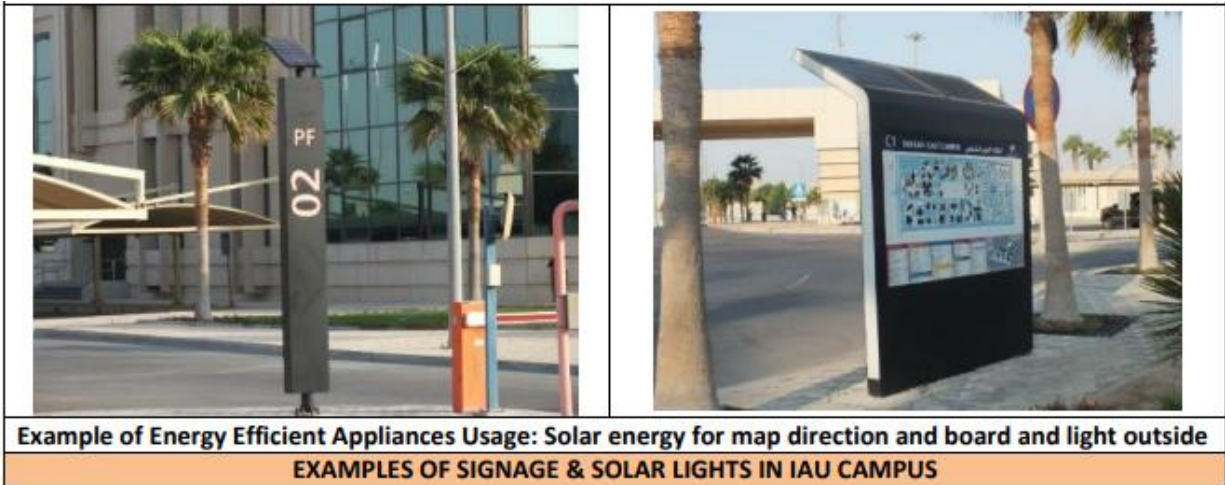




<p>(Precast Concrete insulated panels and Curtain wall) Administration Building- IAU</p>	<p>IAU implement and abide by Saudi Building Code in its all Construction and Electricity plan</p>

PART B

<p>GATEWAY SIGNS</p> <p>DIRECTIONAL SIGNS</p> <p>CAMPUS MAPS</p> <p>BUILDING IDENTIFIERS</p>	
<p align="center">OUTDOOR SIGNAGE IN C1-EAST CAMPUS</p>	



https://www.iau.edu.sa/sites/default/files/resources/energy_efficient_building.pdf

7. IAU Initiatives to achieve higher Energy Efficiency

The given PDF link explains the initiatives taken by IAU to achieve higher energy efficiency.



Photo solar systems installation initiative to reduce monthly electricity bill payments:

SHUTTLE OPTION 1

Shuttle V Electric
Transit Buddy ES
Passenger LE Hard
Door Shuttle



SHUTTLE OPTION 2

Marsheel
DN-34C Series
14-Seat Enclosed
Electric Resort Car



Electric and affordable shuttle buses for the student and faculty

https://www.iau.edu.sa/sites/default/files/resources/reduce_overall_energy_consumption_2022.pdf

