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The semi-structured interviews were conducted with six experts in the field of energy efficiency in the building sector in Egypt from various disciplines and sectors to define the main barriers for a ...

These findings provide essential guidelines for reducing energy demand and improving thermal efficiency in Egyptian residential buildings.

Shows that low energy use in Cairo"s public buildings reflects under-serviced indoor environments, not genuine efficiency. Presents an audit-informed, uncertainty-aware calibration framework for cooling ...

The plan aims at activating the articles of the Electricity Law No. 87 and its executive regulations issued in May 2016 regarding energy efficiency improvement requirements requested by law.

This study investigates how the integration of passive design strategies and rooftop photovoltaic (PV) systems can enhance energy performance in this segment, using the Sakan Masr ...

This research investigates the energy saving potential of the Green Pyramid Rating system (GPRS) and Tarsheed rating system on the building envelopes of mid-rise middle income ...

In August 2025, the MoEE launched the "Guide to Rationalizing and Improving Energy Efficiency in the Industrial Sector," which provides practical steps for factories to optimize energy use while supporting ...

This research aims to propose a framework for saving energy consumption in Egyptian buildings by adopting the Passive House Criteria (PHC) as the world"s leading standard in energy ...

Egypt has saved USD 900 million over the past 10 months through energy efficiency measures and reduced gas consumption, reflecting significant progress in the country"s energy ...

This study contributes to the field by identifying key principles, design details, and goal requirements needed to promote energy-efficient design standards for residential buildings in Egypt.

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