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Title: Riyadh recommends solar air conditioning

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This study provides an overview on the current and future situation of solar cooling and power consumption in Saudi Arabia. Further, this study will describe a demonstration project of the use of ...

The building features an external energy-efficient skin composed of layered gantries, perforated panels and slanted fins that minimise solar gain, reduce heat absorption and lower the ...

Due to its hot climate and relatively high purchasing power capability of the general population, Saudi Arabia has a huge demand for air-conditioning (cooling) ...

This study presents and optimizes a solar-driven EC system integrated with underfloor air distribution (UFAD) to enhance thermal comfort and minimize water use in a temporary office in ...

This article explores green park projects, focusing on King Salman Park, and other cooling solutions for Riyadh City urban environment.

Based in Riyadh, KSA. It specializes in Air treatment, solar, and EV charging solutions. Climatech is an expert with more than 2 decades in this market.

By combining the best cooling technology with energy retrofitting options such as improving windows, insulation, solar power, and cool roofs, the ...

The recommended heat mitigation (or cooling) scenario for Riyadh includes using super cool materials implemented in the roof of the buildings and ...

In this study, a solar hybrid cooling system for an institutional building is investigated, which combines solar photovoltaic (PV) technology with ...



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