

# Afghanistan Thermal Channel Energy-Saving Type



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In this study, various energy simulations were conducted for three types of building shapes (Square, Rectangle, and “L”-Shape) to determine the most energy-efficient proportion of ...



Therefore, this study investigates the combined impact of window-to-wall ratio (WWR), façade orientation, and glazing type on the energy performance ...



Therefore, this study investigates the impact of building orientation on the energy performance of residential buildings across nine cities in Afghanistan, each characterized by distinct ...



These findings provide valuable insights for architects and designers working in Kabul, Afghanistan, and can help them to design more energy-efficient buildings.



Therefore, this study investigates the combined impact of window-to-wall ratio (WWR), façade orientation, and glazing type on the energy performance of residential buildings across five ...



Emphasizing the critical role of building orientation in energy- efficient design and construction, this study underscores its potential for significant energy savings and environmental impact mitigation.



investigates the potential of Tawa Khana, a vernacular heating system used in Asian countries, particularly Afghanistan, to improve building energy efficiency. Tawa Khana utilizes radiant floor ...



By promoting energy-efficient solutions in commercial and industrial buildings, Afghanistan can reduce its overall energy demand, lower operating costs for businesses, and enhance its competitiveness in ...



Thermal insulators available in Afghanistan MostAfghansdonotpresentlyinsulatetheir homes.Mud, strawandearthareusedintraditionalarchitecture and buildings have anatu ...



The Country Savings assessments provide a summary of the benefits attained from improved energy efficiency and climate friendly lighting, cooling appliances, and equipment.



Create and develop test protocols (Laboratory and in situ tests) for energy saving solutions, test reports with recommendations and comparison of energy saving solutions in term of efficiency and ...



However, Afghanistan benefits generally from good levels of sunshine. Energy improvement of buildings can therefore benefit easily from passive solar architecture techniques combined with thermal ...



This study employs a multidisciplinary approach to evaluate the impact of building orientation and WWR on the energy performance of a room with an attached bathroom in Kabul, ...

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