

Moreover, areas such as adaptive building design, energy storage systems, and smart grid integration hold immense potential for future growth and development. Conclusion Smart ...

This comprehensive review examines the transformative impact of artificial intelligence (AI) technologies on smart buildings and real estate management through a systematic narrative ...

Smart and intelligent buildings play an essential role in all types of sustainable development and offer technological benefits for corporations, developers and building owners.

By integrating cutting-edge technologies such as artificial intelligence (AI), the Internet of Things (IoT), and energy-efficient materials, architects and engineers are creating structures that ...

This study examines the integration of IoT and AI in energy-efficient smart buildings, emphasising applications and challenges. A qualitative ...

The Grid-interactive Efficient Buildings (GEB) Initiative was launched in 2018 to explore opportunities to remake buildings into flexible energy resources - combining energy efficiency and demand flexibility ...

This study examines the integration of IoT and AI in energy-efficient smart buildings, emphasising applications and challenges. A qualitative methodology, combining systematic literature ...

Smart building technologies--leveraging IoT (Internet of Things) and AI (Artificial Intelligence)--are at the forefront of these advancements, transforming traditional buildings into ...

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AI-powered smart buildings improve comfort, cut energy use, and lower emissions--helping create healthier spaces and a cleaner, more resilient future.

Through this design rationale, the proposed architecture provides a robust, extensible, and open foundation for the incremental implementation of Digital Twin capabilities in smart buildings, ...

This article explores the application of digital twin technology in energy management of smart buildings,

aiming to improve the energy utilization efficiency of buildings through real-time ...

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