

Low-noise energy management systems for smart cities

The contribution discusses distinct strategies related to energy management and saving in smart cities, and provides the reader with an insightful overview concerning the modeling and optimization of ...

Advanced energy management systems in smart buildings automatically respond to price signals, adjusting HVAC operations, lighting systems, and other power-consuming equipment to ...

In this paper, a detailed quantitative and Systematic Literature Review (SLR) has been carried out regarding energy management technologies which have been particularly developed for ...

Macnman Smart City Solutions deliver connected, low-power, long-range IoT systems for smart parking sensors, traffic monitoring, air quality monitoring, smart street lighting, waste management, water ...

What promises and hurdles do smart city initiatives introduce to urban energy planning? And why do some smart city projects surpass energy efficiency and emission reduction targets while others fall ...

Due to the necessity for efficient building maintenance, it becomes imperative to explore innovative energy management solutions. We present a comprehensive review of Internet of Things (IoT)-based ...

The growing need for energy conservation and sustainable development in smart urban areas demands the implementation of sophisticated Energy Management Systems (EMS) in modern ...

In the following of this paper some links between environmental noise management and smart sustainable urbanization are described, navigating in the urban planning framework investigating ...

In response to the current issues in urban energy management, such as insufficient real-time monitoring, delayed data analysis, and low energy scheduling efficiency, this paper designs an IoT-based smart ...

These systems help monitor energy consumption, enhance building performance, and streamline resource management--an essential step towards the realization of net-zero buildings ...

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