

Suitable for the largest building complexes and multi-site applications, Trend systems minimise energy consumption and help maintain consistently comfortable building conditions through close monitoring of HVAC and other building services. Our systems also deliver real time management information and control, enabling significant reductions in ...

To promote low carbon development in Iraq through supporting the design of a regulatory framework for enhancing Energy Efficiency (EE) in buildings and the creation of an enabling environment for its operationalization

In this paper a smart building real-time power monitoring system is proposed. The system targeted at enhanced safety and user awareness about power consumption with reduced cost.

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The results indicate that applying dynamic insulation techniques in Iraqi buildings can reduce energy consumption by 28% during the heating season and 11% during the cooling season. Implementing this technology can make a significant contribution towards creating a more sustainable and comfortable environment in harsh climates, examined in ...

(i) Evaluate the performance of existing building system (conventional) and industrialized building system (IBS) in the Iraqi housing construction. (ii) Estimate the amount of cost saving...

These findings show that energy efficiency of industrialized building system is significantly better than conventional system during the year in Iraq. At the end, this research will help architects and building owners to increase their awareness for achieving energy efficiency particularly in Iraqi residential buildings.

These HVDC systems have the potential to enable the Iraqi Ministry of Electricity to transmit more power over longer distances while facilitating grid interconnections, improving network ...

Iraq's peak demand for electricity has grown from 6,721 MW in 2003 to 27,346 MW in 2018. 3. According to Baghdad Provincial Council, there are more than 13,000 registered private and government owned

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These HVDC systems have the potential to enable the Iraqi Ministry of Electricity to transmit more power

over longer distances while facilitating grid interconnections, improving network performance, and efficiently integrating renewable energy sources as they come online.

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This thesis presents a case study of a building model for the potential energy conservation through analysis and validation of annual energy consumption. The model of the Elementary school building, located in Baghdad, Iraq, was developed in a complex 3D Building Information Model (BIM) based model within Autodesk Revit version 2019, and the ...

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