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ENERGY FLOOR AS NEW TECHNOLOGY FOR ELECTRICITY EQUIPMENT IN HOTELS OF UKRAINE

The purpose of the article is to study the work of Energyfloor modules in hotels in Ukraine and their impact on energy conservation and sustainable innovations in buildings, public spaces. The Netherlands Energy Floor modules are an integral part of the Smart Floors Smart Grid.

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rid can be used both for efficient energy management and for its diagnostics and can work by connecting to light-emitting diode lanterns, intelligent energy management systems.

Method: energy Floor is designed to apply pressure on the floor. The energy floor uses the movement of people as a source of energy. A kinetic energy is converted into an electric one, which results in a load on the floor. The energy output of these types of energy-saving tiles depends on the applied force; the higher voltage corresponds to a greater potential difference and, consequently, greater energy.

Results: in order to estimate the output power of one person passing through the center of the campus, it is important to determine the magnitude of the forces that experience the earth while walking. Using this concept, large hotels will be able to generate useful power up to 20 W per module. The scientific novelty of the results is to develop and substantiate the concept of using the Netherlands Energy Floor model as an alternative to power generation in hotels.

Practical significance: electricity can also be supplied back to the grid, used for energy applications that create a unique energy effect or enhance other customized local systems. This technology provides intellectual use of electricity in the hotel enterprises

Keywords: efficient energy management, power floor, Netherlands Energy Floor modules, energy saving tile, intellectual use of electricity in the hotel enterprises.

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