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The introduction of energy-efficient technologies in the design of educational institutions (using the example of a school assessment using the GREEN ZOOM system)

Abstract: The article discusses the introduction of energy-efficient technologies in the design process of educational institutions with an emphasis on sustainable development and environmental safety. Using the example of the GREEN ZOOM school assessment, the authors analyze the key aspects related to the choice of modern solutions aimed at reducing energy consumption and optimizing utility resources. Methodological approaches to assessing the energy efficiency of educational buildings are highlighted, as well as examples of successful practices in the construction and operation of educational institutions. In conclusion, the importance of integrating energy-efficient technologies into architectural projects is emphasized in order to improve the quality of the educational environment and reduce environmental impact. The article is intended for architects, designers and specialists in the field of education and ecology.