



SIMPLIFIED METHOD FOR ASSESSING THE SUSTAINABILITY OF COMMERCIAL SPACES - MAEC METHOD

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The retail sector has spaces with high energy consumption, but does not have a passive, low-consumption architecture that significantly reduces costs in this sector. Furthermore, studies on sustainable architectural practices for stores and Sustainability Assessment methods for commercial buildings are lacking. This article is related to thesis research that aimed to develop a simplified method for evaluating the sustainability of commercial spaces. Its main objectives are to encourage positive changes in the store's physical environment, improve operations through efficient management, reduce energy and water consumption, and reduce the consumption of natural resources and CO2 emissions. It is aimed at managers and store owners in the decision-making process of the renovation and management project, providing the best construction practices to achieve sustainable management. With the application of MAEC, the real performance of stores within each regional context was verified and problems were identified, allowing managers to assess the situation and make more appropriate correction and optimization decisions. It was found that it is necessary to adapt to a new way of designing and building with a new approach that aims to achieve better performance in terms of consumption efficiency and quality of the internal environment to achieve the expected results. The contributions of this research verify the degree of sustainability of retail store construction, demonstrate the resulting improvement options, and expand scientific and technical knowledge of sustainable architectural practices in commercial spaces.