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Analysis of the Application of the LEED Methodology in a Building in the City of São Luís-MA

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Abstract

Daily debates are held regarding the environment, resource rationalization and green building, and Brazil follows the worldwide trend of technological development in search of products that follow the sustainable line. Faced with this problem, which is not limited to this country, Green Buildings represent a significant contribution to reducing the consumption of natural resources, both in the construction and operation of buildings (maintenance). Within this framework, environmental certification is an important instrument that has great potential to implement better sustainability practices in the sector. This paper focuses on the LEED (Leadership in Energy and Environmental Design) methodology, which is a certification for sustainable constructions, conceived and awarded by the US Green Building Council (USGBC), according to rationalization criteria of resources (energy, water, etc.) served by a building. It will be presented the LEED certification, an application of the same in a work in the city of São Luís, its advantages and a comparison of costs in the implementation of the criteria of the LEED methodology.

Keywords: *Environmental Certification; Sustainable construction; LEED Methodology.*