





What is LEED O+M Certificate and why is it important?

LEED is a green certification framework used worldwide developed by the US Green Building Council (USGBC). LEED certification provides independent verification of a building or neighbourhood's green features, allowing for the design, construction, operations and maintenance of resource-efficient, high performing, healthy and cost-effective buildings.

LEED for Building Operations and Maintenance (LEED O+M) offers existing buildings the possibility to acquire a LEED certificate despite being already operational and occupied. LEED O+M focusses on building performance and reducing the impact of building operations on the environment. The LEED O+M framework applies to any type of existing buildings. The most common sectors include Retail, Commercial & Mixed-Use Buildings, Hospitality, Office & Datacentres, Schools & Universities, Warehouses & Distribution Centres.

The LEED framework allows building owners to make sure sustainable practices are implemented to reduce the carbon footprint of their building over their functional lifecycle. This also gives a promotional boost and public recognition for sustainability commitment which attracts better and more tenants.

BENEFITS OF ADOPTING LEED:

-  24-50% less energy consumed
-  40% less water consumed
-  33-39% lower CO₂ emissions
-  70% less solid waste

Prodesign has 14 years of expertise in designing and getting new and existing buildings LEED certified. We recently achieved LEED v4 certification for the PwC headquarters. We can accompany you in your journey towards LEED certification and put in place the framework for a more productive building with lower O&M costs.

BIM IN REVIEW

Using Augmented and Virtual Reality in construction projects

The construction industry is one of the biggest industries in the world. Being heavily reliant on resources and human interaction, it comes with many challenges. In recent years, the adoption of new technology, digitalisation and automation are believed to have the potential to drastically improve the industry, like any other industry. This saw the start of the drive towards Construction 4.0 with the application of technologies such as Augmented Reality (AR) and Virtual Reality (VR).

Using VR in a construction project allows the user to be immersed in a virtual rendering of the project to experience it in a physical one-to-one space. There are numerous ways to use VR in a project. These include planning during the pre-construction phase for coordination among design teams, decision making and collaboration during construction. VR also enables remote virtual tours of a building during the construction phase for marketing and sales purposes. VR for marketing can be a powerful tool in convincing a buyer that this is the right property for them by giving them an immersive as-real feel of the property.

With AR, the user's current real site is overlaid with virtual images, and the user can digitally manipulate and interact with the space. AR's applications can include identifying mistakes or design issues during construction and assisting workers during installation by providing overlain visual aids.