



Align Turkey Istanbul Office Targets **LEED Gold**



What is LEED?

The LEED (Leadership in Energy & Environmental Design) green building certification system is the accepted program all over the world for rating the design, construction and operation of green buildings which is given by The United States Green Building Council (USGBC) since 1998 that aims to reduce greenhouse gas emissions and contribute a healthy living and work environment for residents and workers by using energy efficiently.



Why Build Green?

The environmental impact of the building design, construction, and operations industry is enormous.

Buildings annually consume more than 30% of the total energy and more than 60% of the electricity used.

In 2021, the commercial building sector produces billions of metric tons of carbon dioxide and each day billions of gallons of potable water are used solely to flush toilets.

- US Green Building Council (www.usgbc.org)



What is Green Building?

A Green Building, also known as a sustainable building, is a structure that is designed, built, renovated, operated, or re-used in an ecological and resource efficient manner.



Objectives of a Green Building

Protecting occupant health,
Improving employee productivity,
Using energy, water and other resources more efficiently,
Reducing overall impact to the environment,
Optimal environmental and economic performance,
Satisfying and quality indoor spaces.

ALIGN TECHNOLOGY TURKEY ISTANBUL OFFICE

Location and Transportation (LT)

Building is located into the surrounding density in urban space. It is a walkable and bikeable location and has connections with several amenities.

Energy & Atmosphere (EA)

Heating, ventilation, air conditioning and interior lighting systems were designed for higher energy efficiency.

General power consumption is reduced by selecting high efficient IT and office equipments. ENERGY STAR rated or equivalent equipments are used.

Lighting power density is reduced below that allowed by ASHRAE 90.1-2010 standard by more than 25%.

Materials&Resources (MR)

10 materials with EPDs (Environmental Product Declaration) are purchased to encourage the use of environmentally, economically and socially preferable products and materials.

Recyclable waste has been sorted and sent for recycling both during the construction and operation.

Water Efficiency (WE)

High efficient flow and flush fixtures are used in the Project in order to achieve 50% reduction in indoor potable water use.

Indoor Environmental Quality (IEQ)

Ventilation rates are increased to allow for 30% more fresh air than ASHRAE 62.1-2010 standard to provide indoor air quality.

Heating, cooling temperatures and thermal comfort is compatible with ASHRAE 55-2010 standard.

Material emissions are taken into consideration and materials that meet the compliance thresholds established by recognized standards are used in construction. Low VOC content or VOC free materials are used.

Many strategies are followed to achieve lighting quality.

More than 75% of regularly occupied spaces receive daylight.