



SAN DIEGO INTERNATIONAL AIRPORT – THE GREEN BUILDING

San Diego, CA

Airport's Green Build terminal expansion earns world's first LEED Platinum® certification for a commercial airport terminal.

The San Diego international Airport's (SDIA) \$1 billion improvement project adds 10 new gates, expands Terminal 2 by 460,000 square feet and adds 1.3 million square feet of new aircraft apron and taxiway areas.

As LEED® certification consultants for the project, NORESKO guided the project team through the certification process from design through construction, maintaining consensus with goal-setting sustainable design charrettes early in the process. NORESKO discovered that the airport already supported an award-winning recycling program, practiced habitat protection and tracked annual sustainability performance to the Global Reporting Initiative® guidelines. Leveraging these stewardship programs, NORESKO urged the design and construction team to reach higher than the initial LEED® Silver target. Throughout the project, NORESKO's LEED consultants also ensured proper implementation and documentation of LEED credits.

Sustainable elements instrumental in achieving LEED Platinum® including high-performance glazing, a new efficient baggage-handling system, access to daylight and views, and diversion of more than 90% of construction, early application of energy modeling to reduce energy loads. The Project also sourced products with low volatile organic compounds (VOC), actively managed indoor air quality during construction and tested air quality for particulates and toxins at occupancy.

SDIA proves it is possible for atypical buildings to achieve the highest levels of LEED, setting an example for the aviation industry to promote resource conservation.

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Certification Goal

- LEED Silver® (corporate minimum requirement)
- LEED® for Schools™ v2.0

Services

- LEED certification program development
- LEED certification consulting

Environmental Impact

- 1 MW electricity generated by onsite photovoltaic system annually
- 12.5% of terminal's projected annual energy use produced by 1MW photovoltaic system
- 90% of occupants have access to views
- 48% less potable water use due to low-flow fixtures
- 22% of materials produced regionally
- 99% of wood used is FSC-certified
- 90% of construction waste diverted from landfills

The Global Reporting Initiative (GRI) drives sustainability reporting by all organizations. GRI produces a comprehensive Sustainability Reporting Framework that is widely used around the world, to enable greater organizational transparency. The Framework, including the Reporting Guidelines, sets out the principles and indicators organizations can use to report their economic, environmental, and social performance. GRI is committed to continuously improving and increasing the use of the Guidelines, which are freely available to the public. The Global Reporting Initiative® is a registered trademark owned by the Global Reporting Initiative and is used with permission.

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