



Photo courtesy of SDIA



## SAN DIEGO INTERNATIONAL AIRPORT – THE GREEN BUILD

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® include high-performance glazing, a new efficient baggage-handling system, access to daylight and views, and diversion of more than 90% of construction waste from landfills. Additional strategies include use of on-site solar power, installation of low-flow fixtures for water conservation, 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.

### Certification

- ▶ LEED Platinum®
- ▶ LEED® for New Construction™ v2.2

### Services

- ▶ LEED certification consulting

### Environmental Impact

- ▶ 1 MW/yr electricity generated by onsite photovoltaic system
- ▶ 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

Services for this project were provided by Architectural Energy Corporation (AEC), which is now part of NORESKO.

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