

Dubai International Airport

Dubai | United Arab Emirates



Dubai International Airport



CONTRACT SCOPE

Site: Dubai International Airport
Over 88 million passengers per year
3 passenger terminals
35,000 sqm cargo facility

CONTRACT DATA

Contract type:
BEES – Focus

ACTIVITY SECTOR

Transportation

EXPERTISE

Energy audit & implementation plan

The challenge

In 2017, Dubai International Airport handled more than 88 million passengers, up by 52% in 5 years. As one of the fastest-growing and busiest consumer and trade airports in the world, it strives to ensure the long-term sustainability of its operations and contribute to Dubai's 2030 vision, which aims to reduce the emirate's energy demand by 30%. In 2013, Enova was entrusted with carrying out consultancy services in energy management and develop a utilities conservation strategy across all airport facilities, assess the condition and serviceability of assets and infrastructure, and define a retrofit plant that would encompass both these aspects.

Enova's solution

Building Energy Efficiency Services (BEES) – Focus

Enova performed an instrumented energy audit and analysis for all of Dubai International Airport's facilities, including all three passenger terminals and concourse areas, the cargo terminal, central utility centers and IT & engineering service buildings. An Energy Conservation Measures (ECMs) implementation plan was then provided to achieve the identified energy and water savings.

Detailed audit

AED 30 million in savings identified


Building Energy Efficiency Services

Commercial Use ONLY

Update: 2018

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Created by:
Business Development & Marketing Department

Enova
Current contract: 

HSE & CSR

All HSE & CSR issues are dealt with as a matter of priority. The company is accredited with the international standards (Quality Management, Environmental, Health & Safety, Energy, and Asset management) and has also been awarded the Corporate Social Responsibility (CSR) Label five years in a row. Enova was the first Energy Services Company (ESCO) accredited in the region.



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The benefits

- Condition survey of all electromechanical equipment
- Tremendous opportunities for energy savings identified
- Comprehensive Energy Conservation Measures implementation plan

Enova provided Dubai International Airport with a detailed report highlighting areas where opportunities for energy and water savings were possible and how to achieve them.

The next step would be the implementation of Enova's recommendations through an Energy Saving Performance Contract (ESPC).

This realistic approach of Energy and Facilities Management would translate as:

- Increased profitability
- Increased competitiveness
- Greater environmental sustainability
- Reduced risk
- Enhanced CSR image