

People spend about 90 percent of their time indoors.

Improve the places where they spend their lives and you improve their lives.

With our people and technology, our products and services, our aim is to create perfect places.

For every stage of life.

When building technology creates perfect places – that's Ingenuity for life.

#CreatingPerfectPlaces  
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**SIEMENS**  
*Ingenuity for life*

## Creating perfect places to stay ahead in the market

Dubai Airport Freezone was awarded LEED Platinum certification for outstanding improvement in building performance



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# Good building environments create good business environments

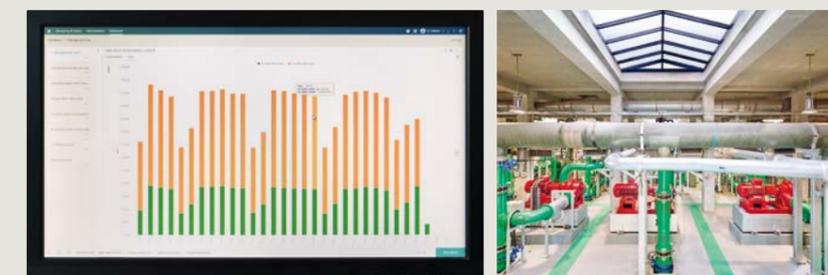
*“If you consider your customers as guests, you have to serve them, you have to make them happy, you have to not only meet their expectations, you have to exceed their expectations. So that’s part of our culture.”*

Faisal Abdulla Al Belooshi, Senior Director  
Facility Management at Dubai Airport Freezone



## Business and happiness go hand in hand

In Dubai, client satisfaction is key for business success. Efficient and sustainable energy solutions play an important role by creating the basis for comfortable environments in which people simply enjoy doing business. They also positively impact company credentials and real estate value. Thanks to the outstanding building performance improvements supplied by Siemens, the Dubai Airport Freezone was awarded with the LEED Platinum certification in 2016.



### A perfect place for utility cost savings and sustainability

The building performance improvements at the Dubai Airport Freezone have not only proven to be highly effective in reducing utility costs, but also sustainable.

#### The details:

- Implementation of energy-efficient building management systems from Siemens resulted in cost savings in electricity and water consumption of over 41 percent or 3.3 million EUR between 2010 and 2017
- Cumulative CO<sub>2</sub> emissions were even reduced by 48 percent
- Navigator reliably monitors energy consumption at all 16 office buildings with only 160 sensors
- In combination with Demand Flow, Navigator provides operators with precise real-time information on the exact load of each chiller plant
- A public dashboard at the food court provides results on sustainability initiatives and shows people what they can do to improve sustainability themselves

As one of the fastest growing free economic zones in the region, the Dubai Airport Freezone is home to some 1,600 clients from around the world. The authority set itself an ambitious goal of reducing energy costs by 30 percent and providing clients with the best environmental conditions possible. With first-class solutions, Siemens exceeded expectations, reducing electricity and water consumption by over 41 percent and boosting sustainability.

In addition to being an attractive hub for businesses and investors, the operators of the Dubai Airport Freezone also place a high priority on environmental sustainability and tenant satisfaction.

Demand Flow, the patented Siemens solution for chiller plant optimization, helped the Dubai Airport Freezone save nearly 35 percent on energy costs in the first nine months alone. Energy consumption of the 13 office buildings at the site is monitored and analyzed with Navigator – the cloud-based energy and sustainability platform, which places all key data directly at the operator’s fingertips.

All of the energy efficiency initiatives together, including the setpoint limits, time schedules, and HVAC controls, helped the Dubai Airport Freezone save 3.3 million EUR in cost savings in electricity and water consumption between 2010 and 2017. They also reduced CO<sub>2</sub> emissions by 48 percent. Furthermore, they provide ideal conditions both for business prosperity and client happiness.

## Navigator – the cloud-based energy and sustainability platform

Turning data into results across your entire building portfolio

