

ABU DHABI INTERNATIONAL AIRPORT BECOMES FIRST TRANSPORT HUB TO HARVEST ENERGY AND DATA FROM PASSENGERS' FOOTSTEPS IN MIDDLE EAST

Masdar, in collaboration with Pavegen, creates data and energy harvesting walkway at Abu Dhabi's Gateway

Location: Abu Dhabi, United Arab Emirates | **Date:** Wed 5 Dec, 00:00



On left: Ahmed Al Shamisi, Acting Chief Operations Officer, Abu Dhabi International Airports

On right: Yousef Ahmed Baselaib, Executive Director of Sustainable Real Estate, Masdar

FOR IMMEDIATE RELEASE

Wednesday 5 Dec, 2018, Abu Dhabi, United Arab Emirates: Abu Dhabi International Airport has officially announced the launch of an interactive walkway which converts the footsteps of travellers into off-grid electricity and data.

Abu Dhabi Airports has commissioned Pavegen, the award-winning UK clean-tech company, in collaboration with Masdar (Abu Dhabi Future Energy Company) to construct a 16-square metre energy harvesting walkway. The path connects two terminals within the capital's high-tech airport, which handles around 2 million passengers a month and is the first application of its kind in a commercial airport in the Middle East.

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The footsteps of around 8,000 travellers per day are being captured and converted into electrical energy to track footfall data and power lighting along the walkway as they pass between Terminals 1 and 3 of the airport. The system incorporates screens to highlight how much energy is being harvested with a special game interface for children that shows airplanes rising and descending according to how much energy is being generated.



Commenting on the new project, Ahmed Al Shamisi, Acting Chief Operations Officer at Abu Dhabi Airports said: "We've partnered with Masdar to install the Pavegen walkway, poised to power the data-driven, smart cities of tomorrow. Through this collaboration, Abu Dhabi Airports aims to further its commitment to sustainable practices, educating travellers and residents alike about different sources of off-grid energy and data".

"Our environmental performance and green initiatives demonstrates Abu Dhabi Airports' commitment to delivering innovative solutions for the international aviation community."

The articulated flooring surface is constructed from a series of interlocking triangles. As people walk across the patented system, electromagnetic generators produce off-grid energy. This electricity is being used to power local LED lighting and to provide a data feed.

Yousef Ahmed Baselaib, Executive Director of Sustainable Real Estate, Masdar, said: "Abu Dhabi International Airport is ultimately, one of the busiest gateways into the UAE and this partnership is another example of Masdar's commitment to powering a sustainable future. The hope is that through this installation, both UAE tourists and residents can see and feel first-hand, the role they have to play in our larger sustainability journey."

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Laurence Kemball-Cook, founder and CEO, Pavegen said: "With millions of visitors a day, airports are a key destination for our energy and data generating technology. As the first major Pavegen permanent installation in the Middle East, this a key milestone for us as we look to grow our presence in this fast-changing region."

-ENDS-

ABOUT ABU DHABI AIRPORTS

Abu Dhabi Airports is a public joint-stock company wholly owned by the Abu Dhabi Government. It was incorporated by Amiri Decree number 5, issued on 4 March 2006, to spearhead the development of the Emirate's aviation infrastructure. In September 2006, Abu Dhabi Airports assumed responsibility for the operation and management of Abu Dhabi and Al Ain International Airports. In 2008, Abu Dhabi Airports added Al Bateen Executive Airport (an exclusive business aviation airport), as well as Sir Bani Yas and Delma Island Airports to its portfolio. These airports are geared to serve the various segments of air travelers, the aviation marketplace, and will help contribute to Abu Dhabi's development as a destination for both business and leisure tourism.

Currently under way is the multi-billion dollar re-development and expansion of Abu Dhabi International Airport designed to increase the overall capacity of the airport.

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ABOUT PAVEGEN

Pavegen is the global leader in harvesting energy and data from footfall. Our mission is to enable people to change the world for the better through the simple power of a footstep. Our patented technology connects people to sustainability and smart cities, creating powerful experiences which convert footsteps into off-grid energy, rich data and rewards. We call this the internet of beings, making cities smarter with every step.

Pavegen supplies both permanent installations and experiential activations and we power off-grid applications such as games, lighting, and environmental monitoring. With embedded Low-Power Bluetooth connectivity, we can register the footsteps of individuals via our apps. When we combine this real-time footfall data with analytics, we create powerful insights into the behaviours of people interacting with our systems.

Founded in 2009 by Laurence Kemball-Cook, Pavegen has delivered 200 projects in 30 countries, working with iconic brands including adidas, Coca-Cola, Heathrow Airport, Shell and Westfield. Our latest projects including working with Transport for London and New West End Company to create the world's first smart street and partnering Google to create the world's largest energy and data harvesting array in Berlin. Our latest model, the V3, won the 2017 Smart Cities Interactive Innovation award at South by Southwest and the 2018 UK PropTech award for social impact.

www.pavegen.com @Pavegen

ABOUT MASDAR CITY

Abu Dhabi's Masdar City is one of the world's most sustainable developments. It is made up of a rapidly growing clean-tech cluster, business free zone and residential neighbourhood with restaurants, shops and public green spaces. Masdar City is a working model for cities around the world in environmental, economic and social sustainability, and continues to push the boundaries of innovation. The sustainable city is home to the headquarters of the International Renewable Energy Agency, as well as several Fortune 500 companies, hundreds of entrepreneurs and a leading graduate-level research institute.

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