



QATAR FOUNDATION TO DEPLOY QMIC'S HAWA'AK™ ENVIRONMENT MONITORING SYSTEM AT EDUCATION CITY FOLLOWING SUCCESSFUL TWO-YEAR PILOT PROGRAMME

Air Quality And Other Environmental Conditions Will Be Monitored

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Qatar Foundation for Education, Science and Community Development (QF) has selected the Qatar Mobility Innovations Center's (QMIC) Hawa'ak Environment Monitoring System as part of its vision to establish a smart environmentally-friendly campus at Education City.

Following a successful two-year pilot programme, the agreement was finalised with a contract signing ceremony last week, attended by senior representatives from both organisations at QMIC's office at Qatar Science & Technology Park (QSTP), part of Qatar Foundation Research and Development (QF R&D).

As one of the main pillars of Qatar Foundation, QF R&D has been active in promoting QF's vision of cultivating life-long learning and interest in science and research in Qatar with work carried out at QSTP, one of the region's supreme technology and science parks, located within QF's Education City.

Hawa'ak is one such project with an air quality monitoring system that utilises a rich Internet of Things (IoT) platform, fully developed by QMIC to support real-time monitoring of air quality and other environmental conditions.

The Hawa'ak system utilises a new generation of mobile sensor stations, allowing the delivery of localised and personalised air quality information. The information contributes to building a rich bank of data, which users can access via multiple channels, including mobiles and web portals.

The monitoring stations will be located across main areas of Education City to provide a comprehensive overview of the environment and air quality conditions onsite. The distributed monitoring stations will measure the levels of O3, NO2, NO, CO, PM 2.5, and some metrological parameters such as temperature, relative humidity, and wind speed and direction. Information will be accessible for all Qatar Foundation staff members and students through Qatar Foundation's internal *Maktabi* web portal.

Ms Amal Al-Thani, Executive Director of Qatar Foundation's Health, Safety, Security and Environment Directorate, (HSSE) said: "Deploying the innovative Hawa'ak system and its applications represents a critical element of our strategy to create a smart environmentally-friendly campus. It follows a successful joint effort in piloting the system over the last two years.



“This deployment will allow us to deliver necessary timely information to our users and stakeholders. In addition, the Hawa’ak system will enable us to create a rich bank of data for conducting useful research and data analysis. We, at Qatar Foundation, are proud to be collaborating with a national entity such as QMIC.”

Dr Adnan Abu-Dayya, Executive Director (CEO) of QMIC said: “This agreement is a milestone for QMIC, as it represents the first full deployment of our intelligent Hawa’ak system. We have enjoyed our working relationship with the HSSE team at Qatar Foundation throughout the pilot stage of this deployment, and we look forward to the next stage of this partnership. Hawa’ak is yet another intelligent system resulting from QMIC’s local research and development efforts and clearly demonstrates our significant progress in transitioning locally engineered innovations from the lab to the market place.”

In addition to monitoring air quality, QMIC’s Hawa’ak system also delivers other much needed services. Hawa’ak is currently capable of monitoring electro-magnetic field radiation caused by cellular wireless towers and indoor Wi-Fi access points, and will soon support the deployment of advanced weather stations and collection of detailed weather-related data.

Photo Caption

Image 1: QF’s Health, Safety and Environment Director Mohammed Ahmed Bakhamis, second right, and QMIC Executive Director (CEO) Dr Adnan Abu-Dayya during the signing ceremony.

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Qatar Foundation – Unlocking Human Potential

Qatar Foundation for Education, Science, and Community Development (QF) is a private, non-profit organization that is supporting Qatar on its journey from a carbon economy to knowledge economy by unlocking human potential, for the benefit of not only Qatar, but the world. Founded in 1995 by His Highness Sheikh Hamad bin Khalifa Al Thani, the Father Emir, QF is chaired by Her Highness Sheikha Moza bint Nasser.

QF’s work encompasses education, research and community development. World-class universities are brought to Qatar to help create an education sector in which young people can develop the attitudes and skills required for a knowledge economy. At the same time, QF builds Qatar’s innovation and technology capacity by developing and commercializing solutions through key sciences. The Foundation also works to foster a progressive society while enhancing cultural life, protecting Qatar’s heritage and addressing immediate social needs in the community.

For a complete list of QF’s initiatives and projects, visit <http://www.qf.org.qa>



About QMIC:

The Qatar Mobility Innovations Center (QMIC), located at the Qatar Science and Technology Park (QSTP), is the first independent regional innovations center that was created to leverage the use of emerging mobility technologies and lifestyle in developing and deploying intelligent solutions and smart applications for use in a number of markets including Transportation, Road Safety, Environment, and Smart City Platforms. QMIC was founded with the objective of filling the existing gap in the region for institutions focusing on applied research and solutions delivery with the aim of creating local knowledge-based ventures.

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