

Blockchain Meets Drone Vehicle at the Future Cities Show

Al Shezawi: “Future Cities Show will display, test, demonstrate and discuss future technology supporting all urban planners, architects, master-planners, engineers, scientists as well as consumers - to see the future unfolding in front of their eyes.”

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The world of individual and sustainability mobility is challenged colossally in conurbations. As urbanization headways, more people are crowding into cities, so conventional mobility concepts and local public transportation are reaching the limits of their capability. Traffic cramming and the consequent high levels of air pollution are the result, which in turn leads to corrosion of the quality of life.

The second edition of the Future Cities Show, the brightest event on smart cities and innovative urban mobility solutions which will take place at Dubai WTC from 9-11 April 2018. The show features the solutions that will shortly form part of our everyday urban transformation around the World.

While flying cars may sound like science fiction, technological innovations has brought it closer to reality—potentially helping to create a potential feasible solution.

To ease the burden on air traffic control while maintaining safety measures, recent studies explored pervasive usage of passenger drones - automatically piloted airplanes - will reshape urban mobility. The flying vehicle concepts developments started in the 1980s for piloted prototypes, with the capability of vertical takeoff and landing (VTOL). A VTOL vehicle is not-a-helicopter aircraft type that takes off, hovers and lands, automatically, vertically and quietly.

Explore and experience the future of mobility

One of the main innovations that will appear in Future Cities Show is VIMANA Global, headquartered in Redwood City, California. VIMANA Global’s innovation reaches far beyond the conventional passenger drone context. VIMANA Global incorporated the crypto-facts, Blockchain, to ensure decentralized and continuous management of autonomous drone taxi routes in smart cities around the world.

Since seamless integration is a necessity for the future of mobility, the VIMANA aerospace engineering team is developing a one and four-seater autonomous aerial vehicle, AAV. The aerial vehicle is designed to take-off vertically with four passengers propelled by hybrid electrical power plant. After it clears away from neighboring buildings, its tandem wings get tilted with 8 thrusting propellers to continue flight like conventional airplane for more than 90 km.

“VIMANA Global is solving a key urban air mobility, that of extending the Blockchain into the air, and delivering the technology that enables unmanned flights to launch and fly safely in any national airspace,” says Evgeni Borisov, founder and CEO, VIMANA.

The first demonstrations of VIMANA’s unmanned aerial vehicles and Blockchain Airspace Ecosystem in the Middle East will occur in Dubai World Trade Centre next month in accompanied with more than 70 other companies working on unmatched solutions for better future.

Dawood Al Shezawi, Chairman of the Organizing Committee of the Future Cities Show - says, “The testing and introduction of robots, drones and flying cars indicate one thing - the future has arrived. We will see unprecedented changes, disruptions and challenges as well as innovative solutions emerging that will create a completely new urban environment where technologies will dictate our life, work and activities.”

Future Cities Show

The Future Cities Show is an annual gathering of public, private, non-profit, and academic institutions coming together to challenge assumptions, develop skills, share best practices, and build partnerships that drive innovation for a better future. In the wake of Dubai's Expo 2020 win, the emirate announced its smart city project, with the aim to be one of the World's most connected and sustainable cities.

The project will use the Internet of Things, in other words increased communication and intelligent connection with machines, people and data, to develop smart infrastructure across life, society, mobility, environment and economy. Dubai is committed to offering ease of communication, and with that in mind, free Wi-Fi zones have been set up in key locations including shopping malls, government buildings and even the beach.