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AR RAHMAN, SHEKHAR KAPUR CREATE MUSICAL SPECTACLE

Why? The Musical, featuring 100 dancers and seven new songs, premieres at Expo 2020 Dubai today




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MBRSC announces building PHI-Demo modular satellite

Move set to further enhance the UAE's position at forefront of space innovation

DUBAI
Gulf News Report

The Mohammed Bin Rashid Space Centre (MBRSC) today announced the development of PHI-Demo, a 12U modular satellite platform under the Payload Hosting Initiative (PHI), in partnership with OQ Technology and SteamJet.

PHI-Demo will host an IoT (Internet of Things) communication payload that stores and forwards the collected data from IoT devices in remote areas, industries and autonomous vehicles using 5G technology. It will also host a green and safe propulsion subsystem that uses water as the main propellant.

Now nearing completion, the platform will be operated from the MBRSC S-band ground station by technical specialists who will ensure the efficient implementation of diverse operations, sending commands, receiving telemetry and receiving payload data.

Opportunity

Salem Humaid AlMarri, Director-General, MBRSC, said: "The collaboration and innovation that have gone into making the development of the PHI-Demo under the Payload Hosting Initiative a reality today not only advances the use of satellite-related tech-



■ The platform will be operated from the MBRSC S-band ground station by technical specialists.

MOU

BOOSTING SPACE EXPLORATION

MBRSC and the Office for Outer Space Affairs of the United Nations (UNOOSA) had announced the launch of the Payload Hosting Initiative and the signing of a memorandum of understanding (MoU) to help boost space exploration through the initiative, during the 72nd International Astronautical Congress held in Dubai last year.

PHI will provide a modular satellite platform to foster innovation in the space technology sector and ensure collaboration between government entities, universities and start up companies. The initiative involves a planned programme of two satellite missions annually.

nologies, but also presents an opportunity for entities and countries alike to deploy and operate their own satellites in space. The results of these efforts will further place the UAE at the forefront of space innovation and assist in making incredible advancements in science and technology."

Zakaria Al Shamsi, head

of Payload Hosting Initiative, MBRSC said: "We look forward to expanding and accelerating our partnership with private and government entities as well as academic institutes from around the world that want to develop their space capabilities. The future of the space sector is reliant on collaborative opportunities."