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THE VIEWS | P7 **Arabs recommit to** two-state solution US likely to take serious steps

to launch a new initiative



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tative risk analyses, and countless other Emirati talents, the Emirates Mars Mission represents the same kind of disruptive change that Dubai and the UAE have set global benchmarks for.

Biggest of several milestones

Hope is also the latest and biggest of several milestones within the UAE's space programme. In 2018, Hazza Al Mansouri became the first Emirati to go to space – spending around a week on the International Space Station; the UAE's na-tional astronaut programme was created in 2017; the first Earth-observation satellite built entirely by Emirati engineers was launched in 2018 and

a programme for Arab Space Pioneers in 2020.
This scientific metamorphosis has been made possible thanks has been made possible thanks to the UAE's unique approach to international collaboration and knowledge transfer – for the Hope Probe, for example, the UAE Space Agency turned to the Laboratory for Atmospheric and Space Physics (LASP) at the University of Colorada Roulder, which has a Colorado Boulder, which has a long history of building space-craft, as well as to Arizona State University, the University of California, Berkeley and the University College London.

Of course, there were challenges along the way for the Hope Probe – the biggest being the coronavirus pandemic, which shut down airports and slowed global industries to a crawl. But instead of pushing back on deadlines, the Mars Mission team actually accelerated the pro-gramme, sending advance teams to the launch site in Japan with enough lead time to spend two weeks in quarantine. The spacecraft was sent from Dubai after final tests to Nagoya airport in Japan, and finally arrived by barge at the Tanegashima Space Centre.

The result of that incredible hard work and global collaboration will not only help the UAE transform its science and technology sector, but also benefit the global science community by offering new insights and data about Mars. As His Highness Shaikh Mohammad Bin Zayed Al Nahvan, Crown Prince of Abu Dhabi and Deputy Nanyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, observed: "The probe's arrival to the Red Planet celebrates our journey of 50 years in the best im-age that fits the UAE and captures its true story to the weld!"

New era of Arab leadership

Just as the Shammasiyya and Jabal Qasiyun astronomical observatories of the 9th century set the stage for sophisticated advances in mathset the stage for sophisticated advances in mathematics, and the works of Arab pioneers such as Ibn Al Haytham (the Father of Optics), Nasiruddin Al Tusi, Egypt's Ibn Younus and Syria's Mariam Al Asturlabi inspired centuries of thinkers and scientists during the Islamic Golden Age, the Hope Probe heralds a new era of Arab leadership in science and technology.

"Today is the start of a new chapter in Arab history... of trust in our capability to compete with other nations and people," Shaikh Mohammad Bin Rashid tweeted shortly after the Hope Probe entered Mars orbit. "The UAE will

Hope Probe entered Mars orbit. "The UAE will celebrate its Golden Jubilee with science, culture and inspiration because we aim to build a model of development." of development.

With one giant leap for Arab science, the Hope Probe has proven that the impossible is possible.