

وكالة الإمارات للفضاء
UAE SPACE AGENCY



UAE SPACE PROGRAM

FROM A VISION TO REALITY

(Feb2019)



WHY SPACE?

Space Benefits:

Strategic



A circular logo with a gear-like border and the text "NATIONAL INTEREST" written across a diagonal banner in the center.

Scientific



A colorful illustration of a scientist in a white lab coat holding a clipboard, surrounded by various scientific symbols like a microscope, beakers, charts, and mathematical formulas.

Economic




A word cloud where the words "KNOWLEDGE" and "ECONOMY" are the largest and most prominent, surrounded by other terms like "INFORMATION", "TECHNOLOGY", "DEVELOPMENT", and "ECONOMIC".

Social



An illustration of three stylized green human figures holding hands and forming a circle, with green leaves and branches growing from their heads, symbolizing social growth and unity.

Aspiration



A photograph of a person's silhouette standing on a hill with arms raised, looking up at a starry night sky with the Milky Way galaxy visible.

Innovation



A glowing lightbulb sitting on a dark surface, with a chalkboard in the background covered in handwritten notes, diagrams, and mathematical symbols.

Cooperation



A photograph showing several hands of different people coming together to hold a single white puzzle piece, symbolizing teamwork and collaboration.

UAE long time ago decided to invest in space.



HISTROY OF UAE SPACE PROGRAM

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1970s



1980s



1990s



2000s



2010s



UAE SPACE SECTOR

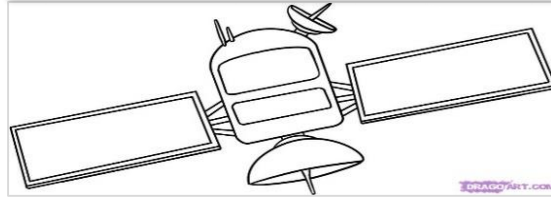
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3 Operators



10 Satellites



4 Space R&D Centers



3 Universities



\$6 Bi Investment



UAE Space Agency

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Mars Mission



1500 people



UAE – Regional hub for space services, education and events.



THE UAE SPACE AGENCY

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UAE SPACE AGENCY



UAE Federal Entity, Established in 2014

MANDATES:

REGULATIONS

HR DEVELOPMENT

SPACE R&D

INT. COOPERATIONS

MARS MISSION

Team of 50 People



Board of Directors



Advisory Committee



UAE SPACE ADVISORY COMMITTEE

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UAE SPACE AGENCY



Prince Sultan bin Salman Al Saud, KSA
President and Chairman of the Board with the rank of a Minister of (SCTH)



Jean-Jacques Dordain, France
Former Director General, European Space Agency



Dr Charles Elachi, USA
Former Director of the JPL & Vice President of Caltech



Dr Farouk El-Baz, USA
Director of the Center for Remote Sensing, Research Professor Boston University



Dr Ji WU, China
Chief scientist on Space Science of Chinese Academy of Sciences (CAS)



Charles Frank Bolden, Jr, USA
Former NASA administrator



Dr Koppillil Radhakrishnan, India
Former chairman of (ISRO)



Dr Joo-Jin LEE, Korea
Former President of Korea Aerospace Research Institute



Dr Koichi Wakata, Japan,
Vice President JAXA, Astronaut



Sergei K. Krikalev, Russia
Vice President - Roscosmos



Average - Females Age



36

Average - Males Age



37

Percentage – Females



43%

Percentage – Males



57%

Total Number of Employees



55

Scholarships



13

Educational Sponsorship



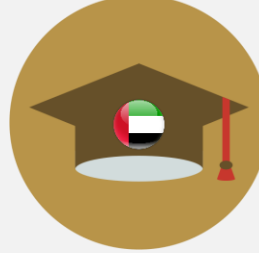
18

Engineers



25

Bachelors Holders



24

Master Holders



21

PHD Holders



7

REGULATIONS OF UAE SPACE SECTOR

• UAE has signed 4 Space UN treaties:

- Outer Space Treaty
- Liability Convention
- Registration Convention
- Rescue Agreement



**GENERAL REGULATORY
FRAMEWORK
FOR UAE SPACE SECTOR**

**NATIONAL SPACE POLICY
2016**

**NATIONAL SPACE STRATEGY
2018**

**NATIONAL SPACE LAW
2018**

**SPACE LEGISLATIONS
2019**

The UAE Space Agency active member of :

COPUOS, ISECG, GEO, The Charter, IPDA,

IAF ...more to come..

INTERNATIONAL PARTNERSHIPS & COOPERATIONS



KOREA



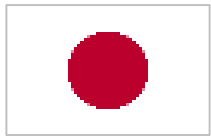
UK



RUSSIA



CHINA



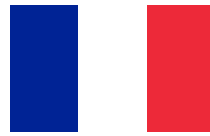
JAPAN



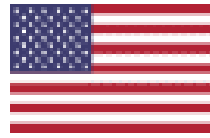
INDIA



ITALY



FRANCE



USA



BAHRAIN



KAZAKHSTAN



S. Australia



UKRAIN



ALGERIA



GERMANY



LUXEMBURG



SWIDEN



UNOOUS

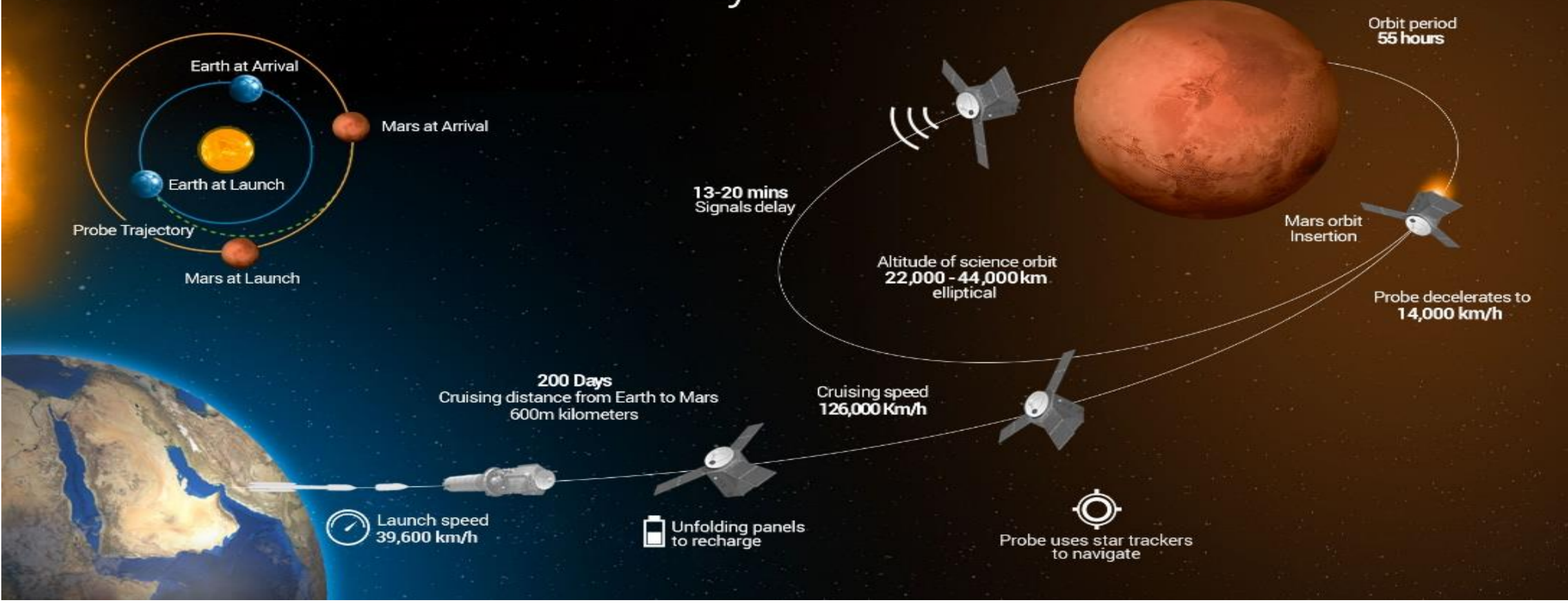
≈ 25 Agreements & cooperation frameworks has been signed



UAE MARS MISSION "THE HOPE"



Emirates Mars Mission Journey



2015	2016 - 2017	2018	2019	2020	2021 - 2024
Defining Science Objectives	Spacecraft Designing	Manufacturing	Assembly & Testing	Launch & Trip to Mars	Arrival & in Mars Orbit Observations



UAE MARS PROJECT (2117)

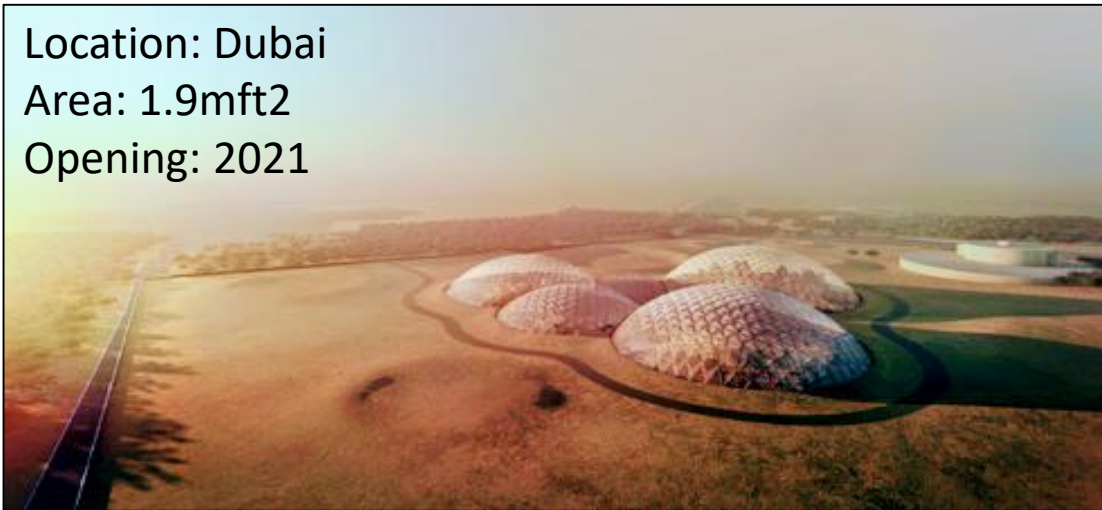
Phase One: Mars Science City

Focus of the City:

- Education
- Science of Food, Water, & Energy
- Laboratories
- Museum / Entertainment

SIMILARITIES	MARS	UAE
Water	✓	✓
Food	✓	✓
Energy	✓	✓
Climate	✓	✓

Location: Dubai
Area: 1.9mft2
Opening: 2021



UAE NATIONAL ASTRONAUTS PROGRAM

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Sustainable Human Space Flight Program:

2 Astronauts have been selected

4000 Applicants

34% Women

2018

2018-2019

2019

Selection

Training

Flight to ISS

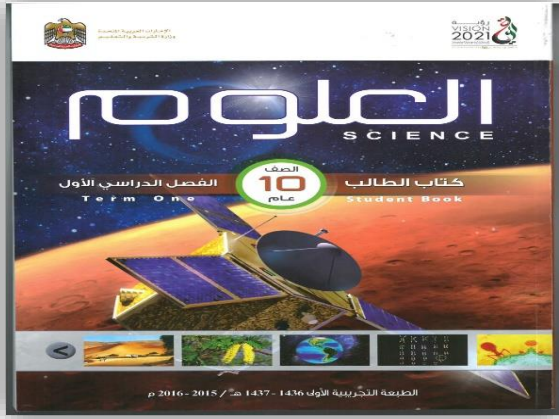


SPACE EDUCATION / AWARENESSES

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INSPIRING, EDUCATING, TRAINING



THANK YOU

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UAE SPACE AGENCY

Tel: +971 2 202 2222

Website: www.space.gov.ae

Email: Info@space.gov.ae

