

وكالة الإمارات للفضاء
UAE SPACE AGENCY



UAE Space Agency



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Establish July 2014, First SA in the region:

Vision

To proudly craft the future of the United Arab Emirates as a leader in space and inspire our future generations for the benefit of the nation and humankind

UAE SA Primary Objectives:

- **Regulate** the Space Sector (Space Policy, Strategy, Law and regulations)
- **Facilitate, Support & Fund** space projects (including “Hope” Mars Mission)
- **Develop** UAE Human Capital for the Space Sector & improve space awareness
- **Set-up** National and International Partnerships
- **Help to** position UAE as a regional hub for space technology, services & events



International Cooperation

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- **The Space Agency Strongly Believes in Space Cooperation:**

- A member of ISECG, GEO, The Charter, IPDA, IAF

- The UAE Space Agency has started talks and signed MoU with some major Space Agencies,.....



The UAE Space Sector

UAE have a strong existing Space Sector with:

- **4 major actors:** UAE Space Agency, YahSat, Thuraya and Mohamed Bin Rashid Space Center
- **7 satellites** on orbit (2 Thuraya, 2 yahsat and 3 MBRSC)
- **4 more satellites** in projects (including **Mars Mission probe “Hope”**)
- **3 Space R&D Centers** (8 CubeSats with Academia)
- UAE is Regional Hub: Space services & technologies, education and events

\$6 Billion worth of space investment.



UAE Mars Mission “HOPE”

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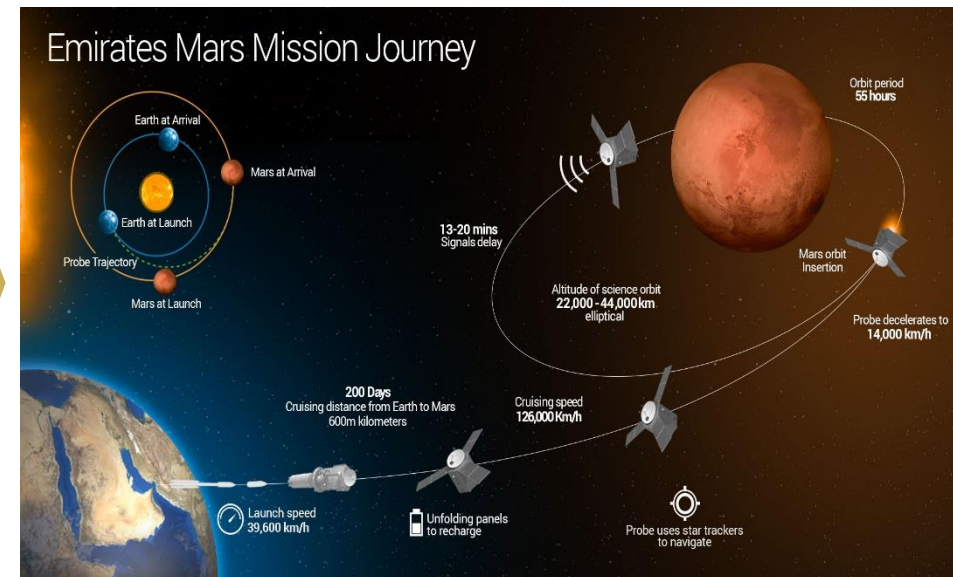


Main Objectives:

- Inspiring young people
- Unifying Efforts (Common Goal)
- Building knowledge / R&D Culture
- Building Int. cooperation
- Transforming UAE space sector
- Global contribution to humanity

UAE Mars Mission

- Mars Orbiter
- Unique Significant Mission
- UAE SA Funding & Oversight
- Project subcontracted to MBRSC
- Local & Int. Cooperation



2015

Defining Science Objectives

2016 - 2017

Designing Spacecraft

2018

Manufacturing

2019

Assembly & Test

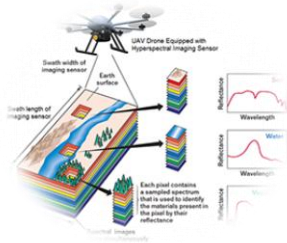
2020

Launch & Trip to Mars

2021 - 2024

Arrival & in Mars Orbit Observations

Current EO projects:



Hyperspectral Lab



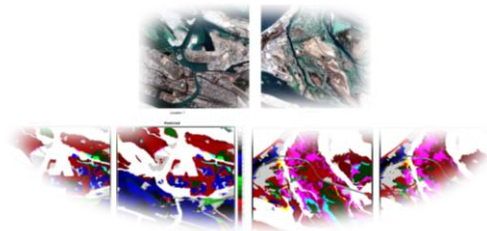
MEZN Satellite



Mini Satellite challenge



Hyperspectral Sat



The UAE LULC map



GeoTech Innovation program



Looking for.....

- Sharing data
- Collaboration
- Building capacity on developing:
 - Space sensing platform
 - Space data analytics
- Contribution



Thank you

