

# The Al-Amal (Hope) probe

First Arab space mission to Mars, led by the United Arab Emirates

## AL-AMAL PROBE

Arrival scheduled for February 2021, to mark the 50th anniversary of the union of the seven emirates. Will remain in orbit for one Martian year (687 days)

Antenna  
(1.85m)

Weight  
**1,350kg**

7.9m x 3m

600-watt  
solar panels

### Mission

To study the Martian atmosphere and climate on the Red Planet

• Launched from the Tanegashima Space Centre in Japan

• **Orbit period:**  
55 hours (one loop)

• **Mars arrival:**  
February 2021

• **Voyage:**  
Around 7 months  
travelling over  
493.5 million km

• Deployment  
of solar panels

