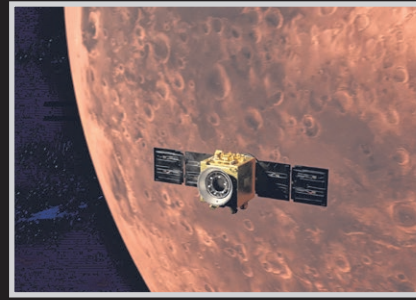


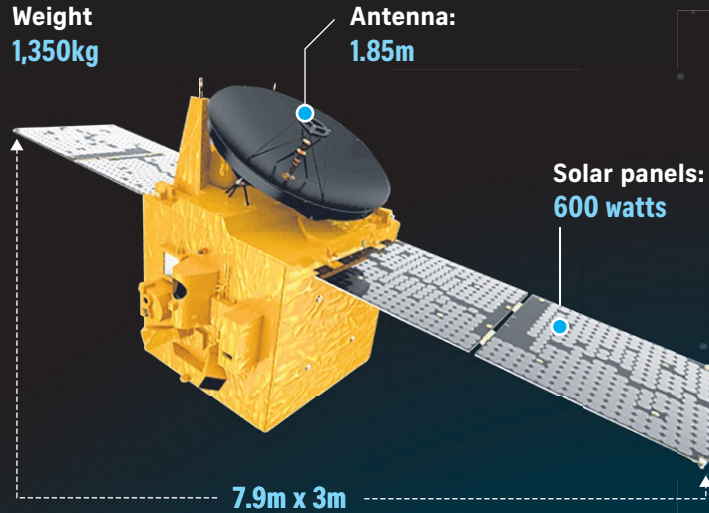
# The 'Al-Amal' (Hope) Probe

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



An illustration of the Hope probe entering Mars orbit

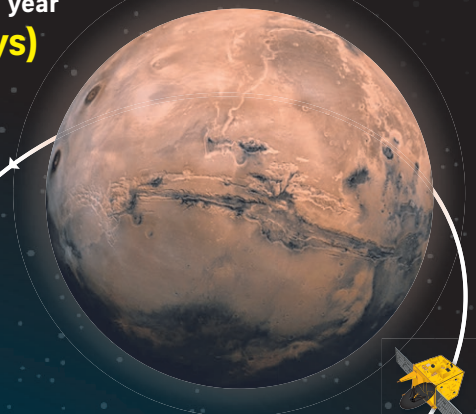
## LAUNCH SITE



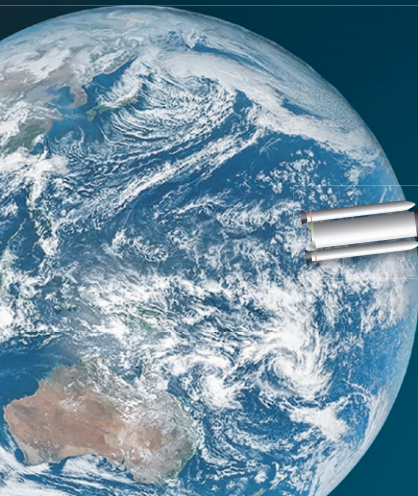
Will remain in orbit for  
one Martian year  
**(687 days)**

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

Radio  
signal delay:  
**13min  
to 26min**



**MISSION**  
To study the atmosphere, the climate and the weather on the red planet



**1** Launched July 20, 2020:  
From the Tanegashima  
Space Centre in Japan

Launch speed:  
**34,082kmh**

**2** Deployment  
of solar panels

**3** Navigation:  
Use of star trackers

FROM EARTH TO MARS

Cruising distance:  
**493.5 million km**

Cruising time:  
**7 months approximately**

**4** Reached  
Mars orbit:  
Feb 9, 2021