

## Mars Helicopter Transcript

NASA CHOPPER READY FOR A SPIN ON MARS  
THE MARS HELICOPTER IS A TECHNOLOGY DEMONSTRATION  
THAT WILL LAUNCH WITH THE MARS 2020 MISSION.

[Mimi Aung] Can we fly at Mars? That has been a question for a long time.

[music]

IN THEORY, IF A HELICOPTER IS LIGHT ENOUGH AND THE BLADES SPIN FAST  
ENOUGH, IT SHOULD FLY.  
IN THE THIN MARTIAN ATMOSPHERE, WILL THIS BE POSSIBLE?

AFTER BUILDING MANY PROTOTYPES, ENGINEERS HAVE BUILT A VEHICLE THEY BELIEVE  
WILL FLY ON THE RED PLANET.

THIS IS THE ACTUAL HELICOPTER THAT WILL GO TO MARS.  
MARS-LIKE CONDITIONS ARE CREATED FOR FLIGHT TESTING.

INSIDE A SPACE SIMULATOR, THE CONDITIONS ARE  
1% OF EARTH'S  
ATMOSPHERIC DENSITY,  
AND 40% OF EARTH'S GRAVITY.

[buzzing]

IN JANUARY 2019, THE HELICOPTER SUCCESSFULLY COMPLETED ITS FINAL FLIGHT TEST.

[Mimi Aung] This is a huge milestone for us. But really our job  
isn't done until we see the same test flight being performed at Mars.

[ music]

THE NEXT TIME THE HELICOPTER  
WILL ATTEMPT TO FLY WILL BE ON MARS.  
IF SUCCESSFUL, A HELICOPTER COULD BE USED FOR  
FUTURE MISSIONS.

[EXPLORE  
SPACE TECH]

[NASA]