



**Observations of a
Space Journalist
The Global Reach for
the Moon and Mars**

**Space Science Week
2025**

Leonard David

PROJECT EPIC

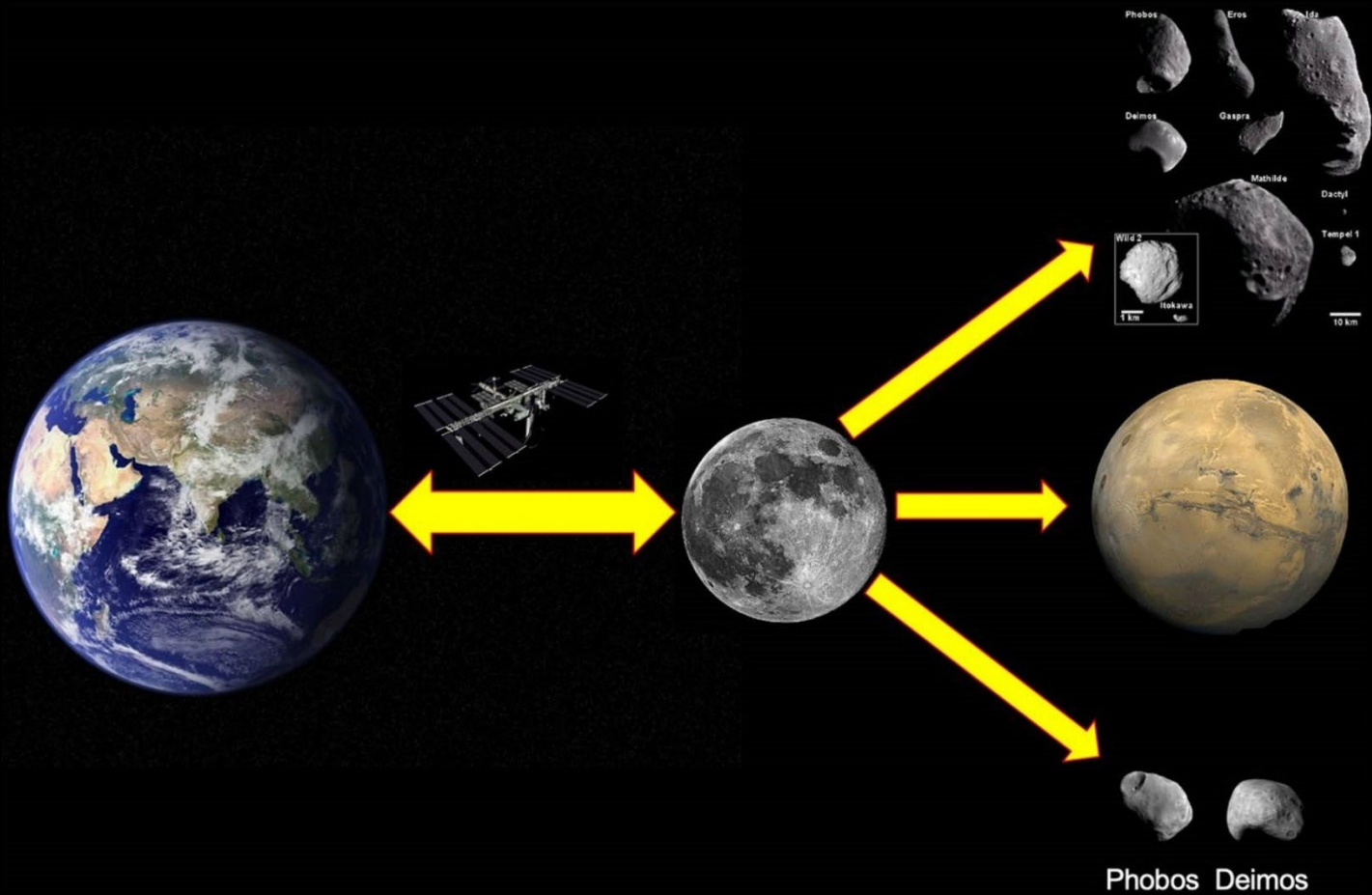


SEP 65

PUZZLE PIECE FUTURE



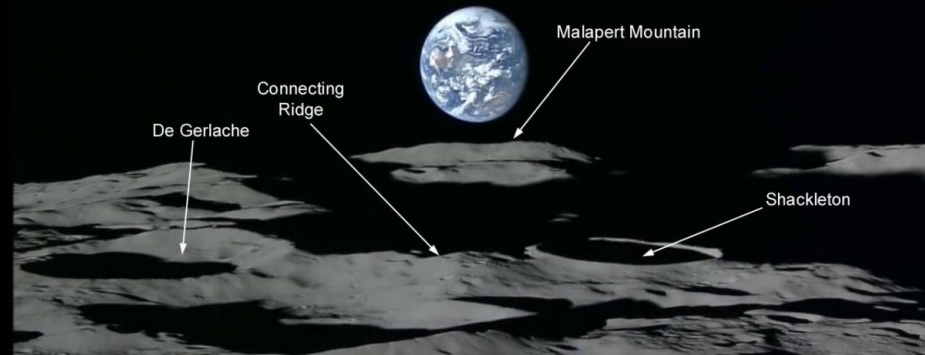
DESTINY DESTINATIONS



“RE-BOOTING” THE MOON



SOUTH POLE EXPLORATION



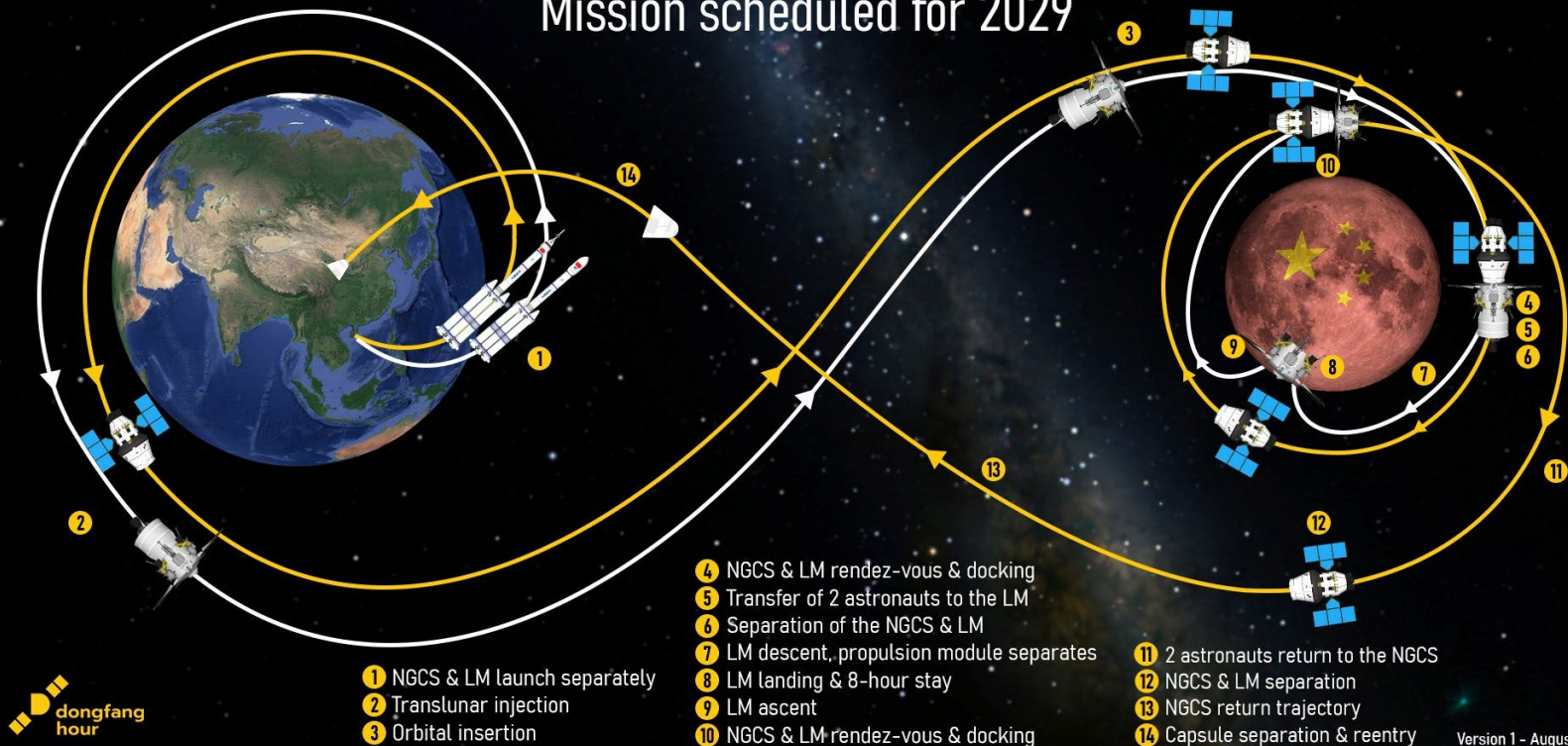
WATER WITCHING/WISHING



MOON VISION

China's Crewed Lunar Landing

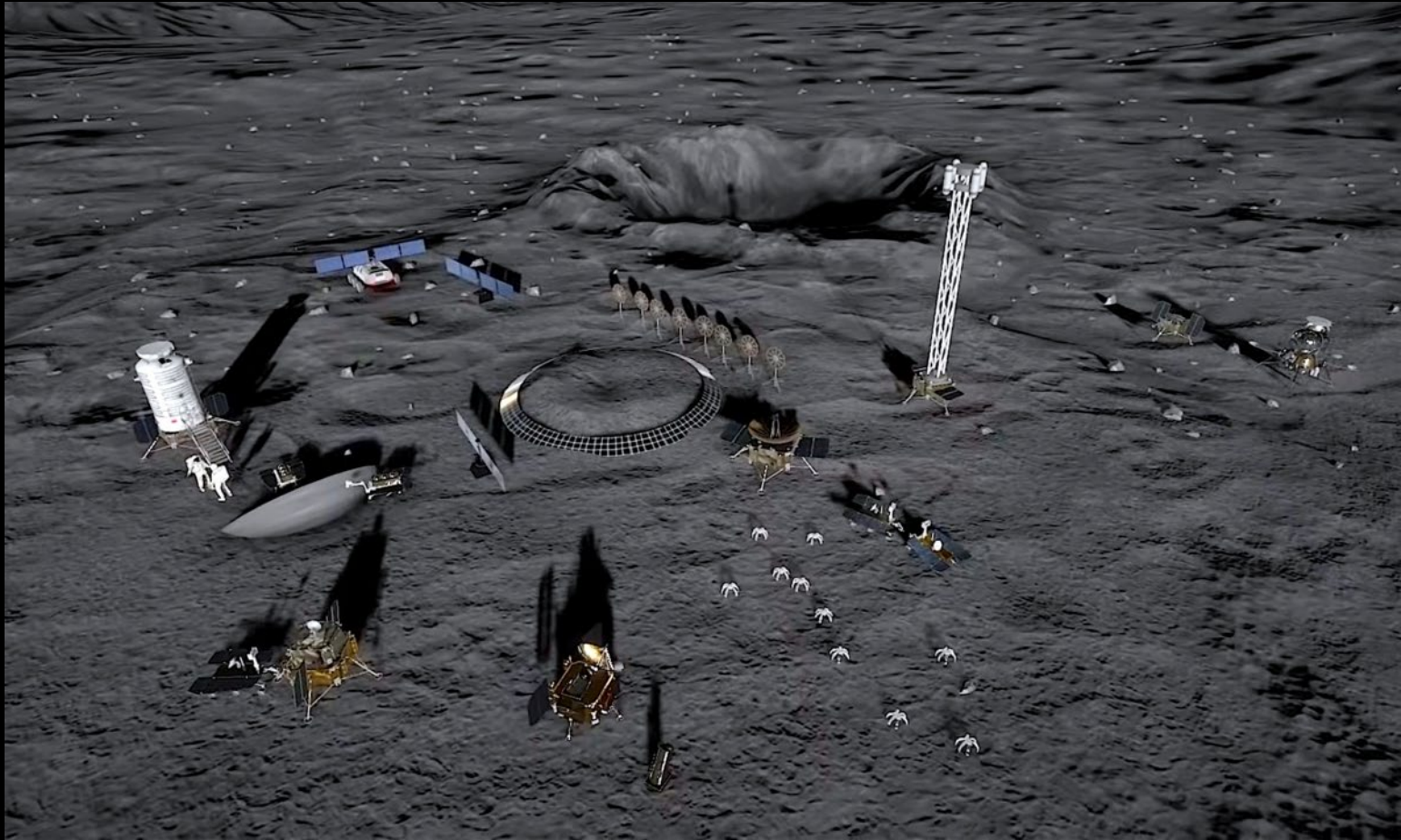
Mission scheduled for 2029



CHINA MOON PLANS



CHINA'S MOON BASE



CHINA MOON SAMPLE RETURN(S)



RUSSIA LUNA MISSIONS



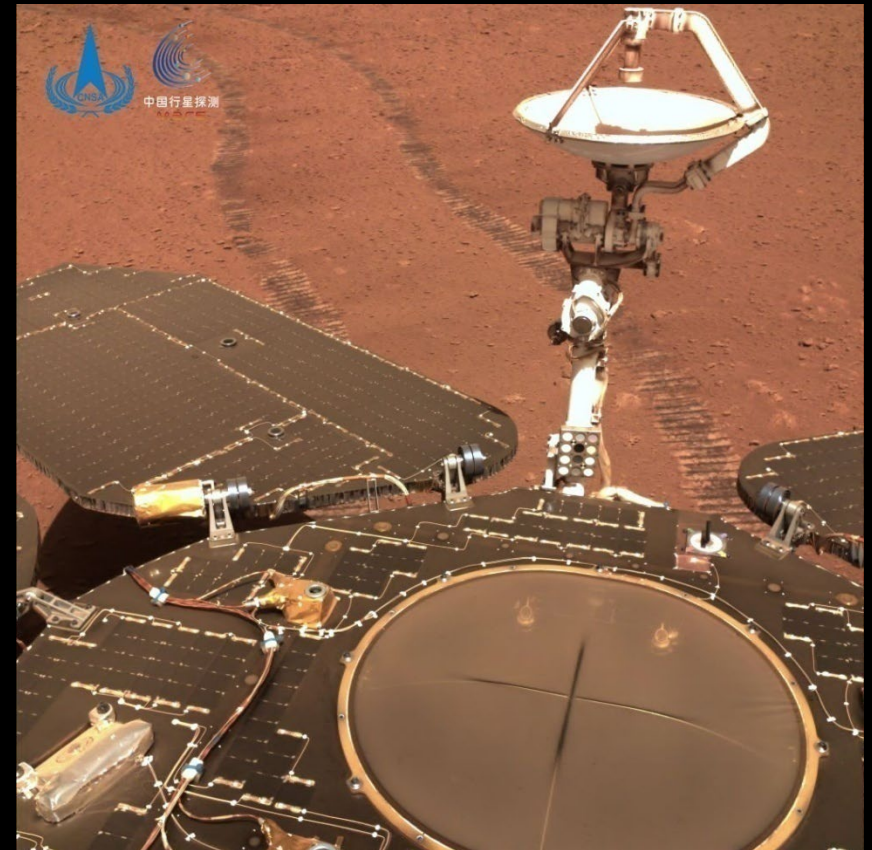
РОСКОСМОС



COMMERCIAL LUNAR LANDERS



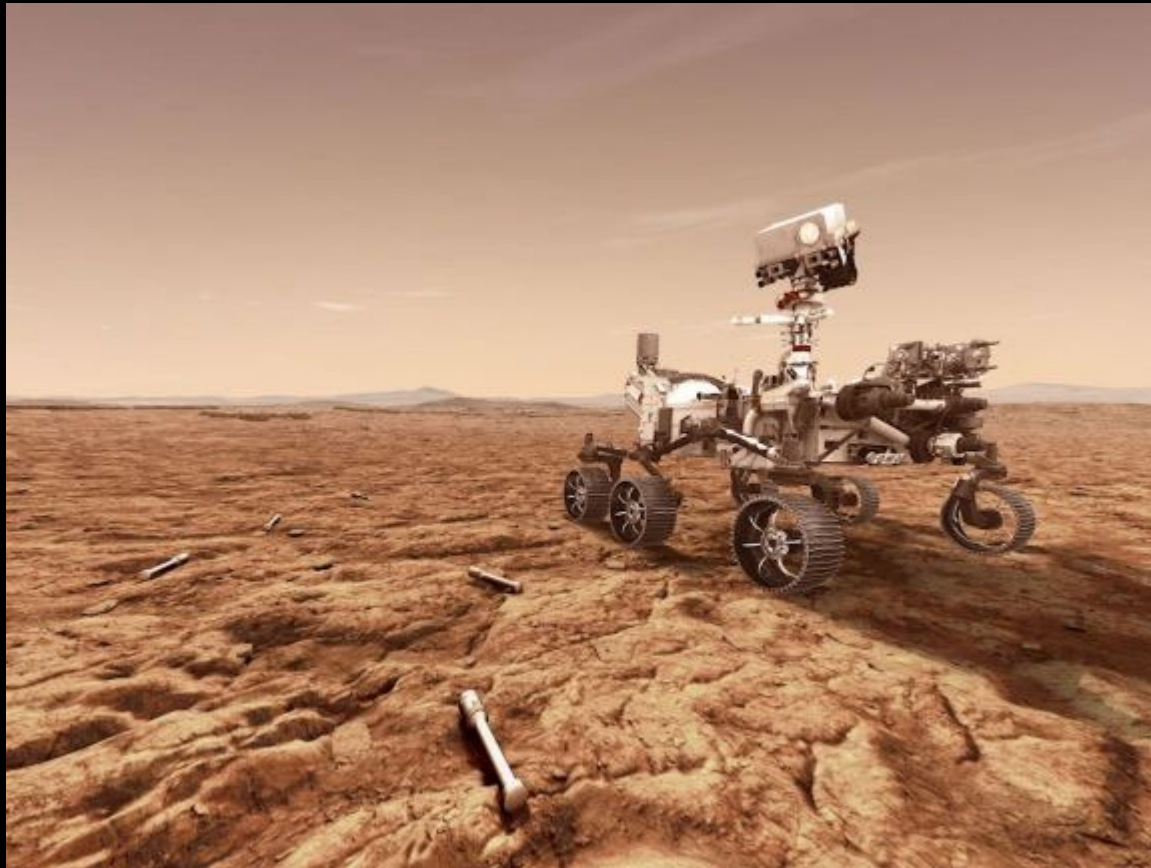
CHINA MARS ROVER SAMPLE RETURN PLANS



CURIOSITY ON MARS



PERSEVERANCE PICK-UPS



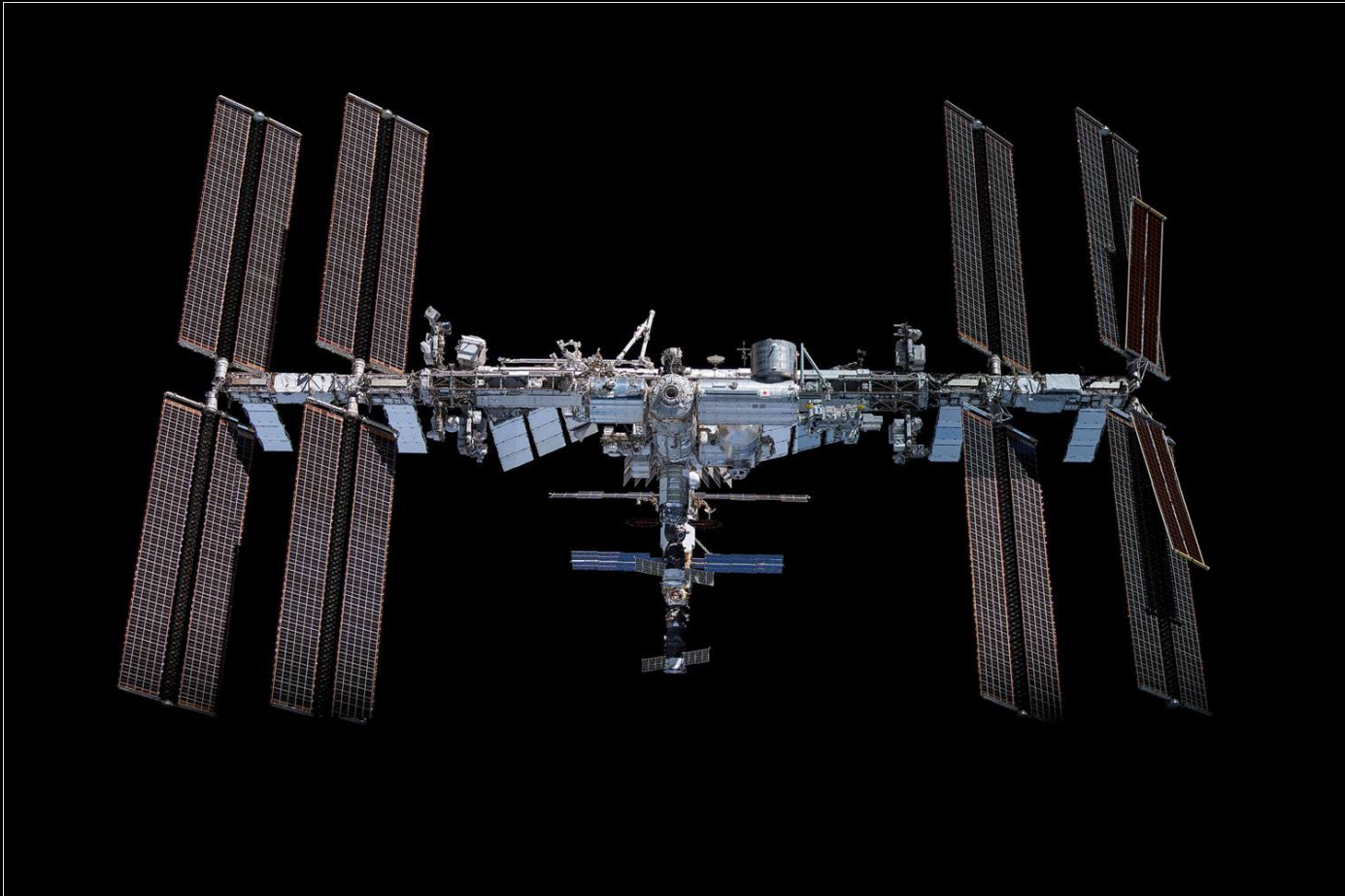
UP SHOTS



INGENUITY MARS HELICOPTER



ISS: SPLASHDOWN



CHINA SPACE STATION: NEXT STEP

中国空间站 > 天宫(TG) China Space Station > Tiangong (TG)
核心舱#1 > 天和(TH) Core Module #1 > Tianhe (TH)

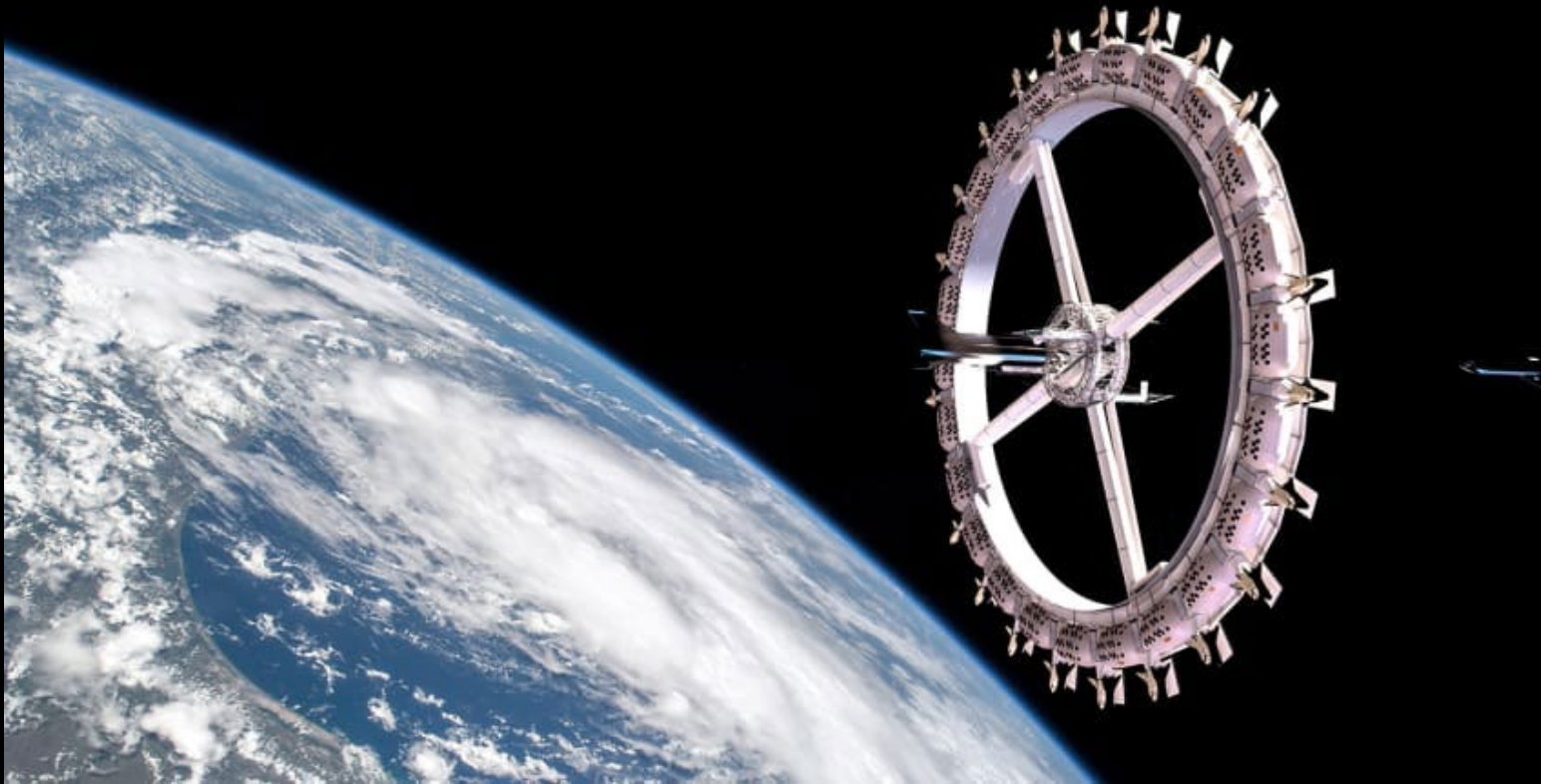
舱内资源简述



PRIVATE SPACE STATION



SPACE HOTEL



STARSHIP ON THE RISE



MULTI-PLANET SPECIES

"You want to wake up in the morning and think the future is going to be great - and that's what being a spacefaring civilization is all about. It's about believing in the future and thinking that the future will be better than the past. And I can't think of anything more exciting than going out there and being among the stars."

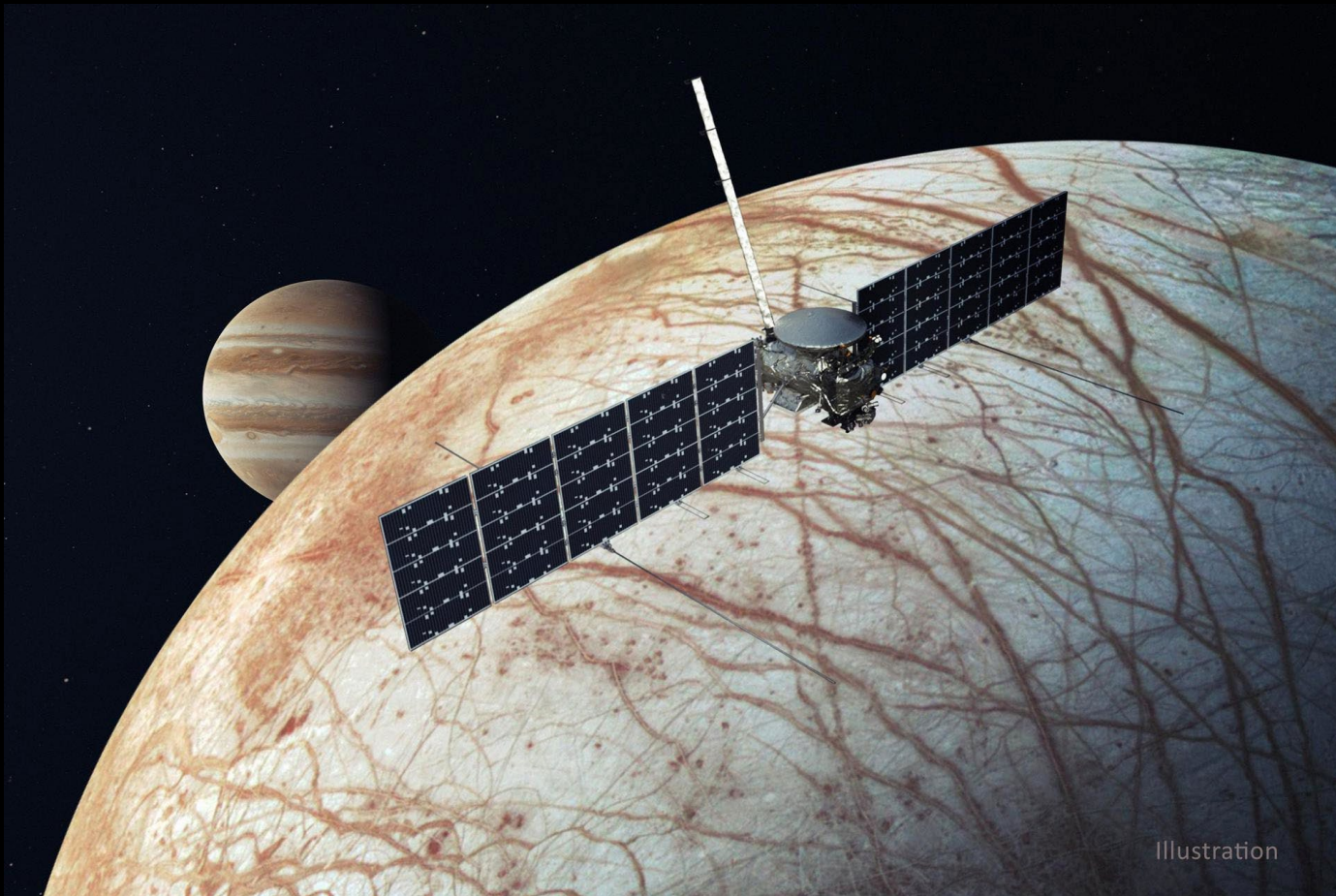
-Elon Musk



STARSHIP: WORK IN PROGRESS



THE SEARCH FOR LIFE



Illustration

A LIVING UNIVERSE...

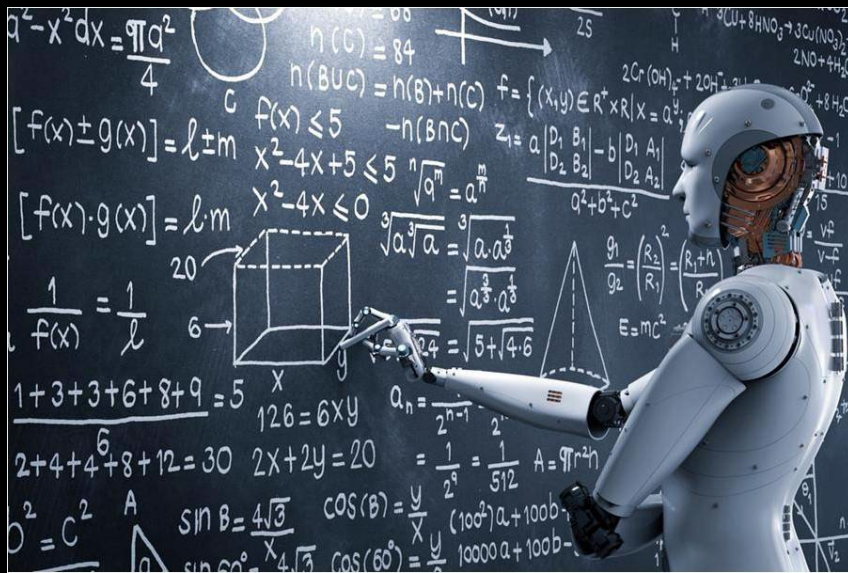
HOW CROWDED IS IT?



PEOPLE ARE CREATIVE



NEW TOOLS



SPACE ELEVATOR: NEED A LIFT?



SPACE JUNK!



INVESTING IN THE FUTURE



WHERE'S THE MONEY?



CAPITOL HILL LACK OF CAPITAL?



WARNING REPORT



NATIONAL ACADEMIES Sciences
Engineering
Medicine

NASA at a Crossroads

Maintaining Workforce,
Infrastructure, and
Technology Preeminence
in the Coming Decades

Consensus Study Report

WAIT-AND-SEE

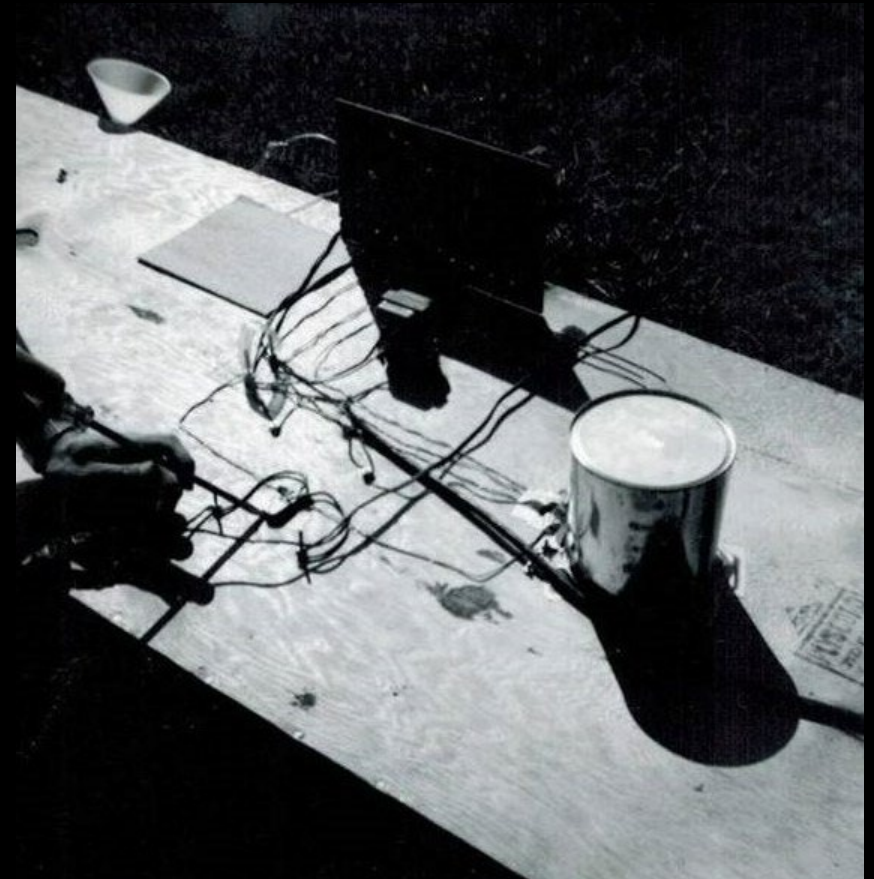


SPUTNIK MOMENTS

THE "BEEP" GOES ON



PROJECT EPIC: DECLASSIFIED



ANY QUESTIONS?

