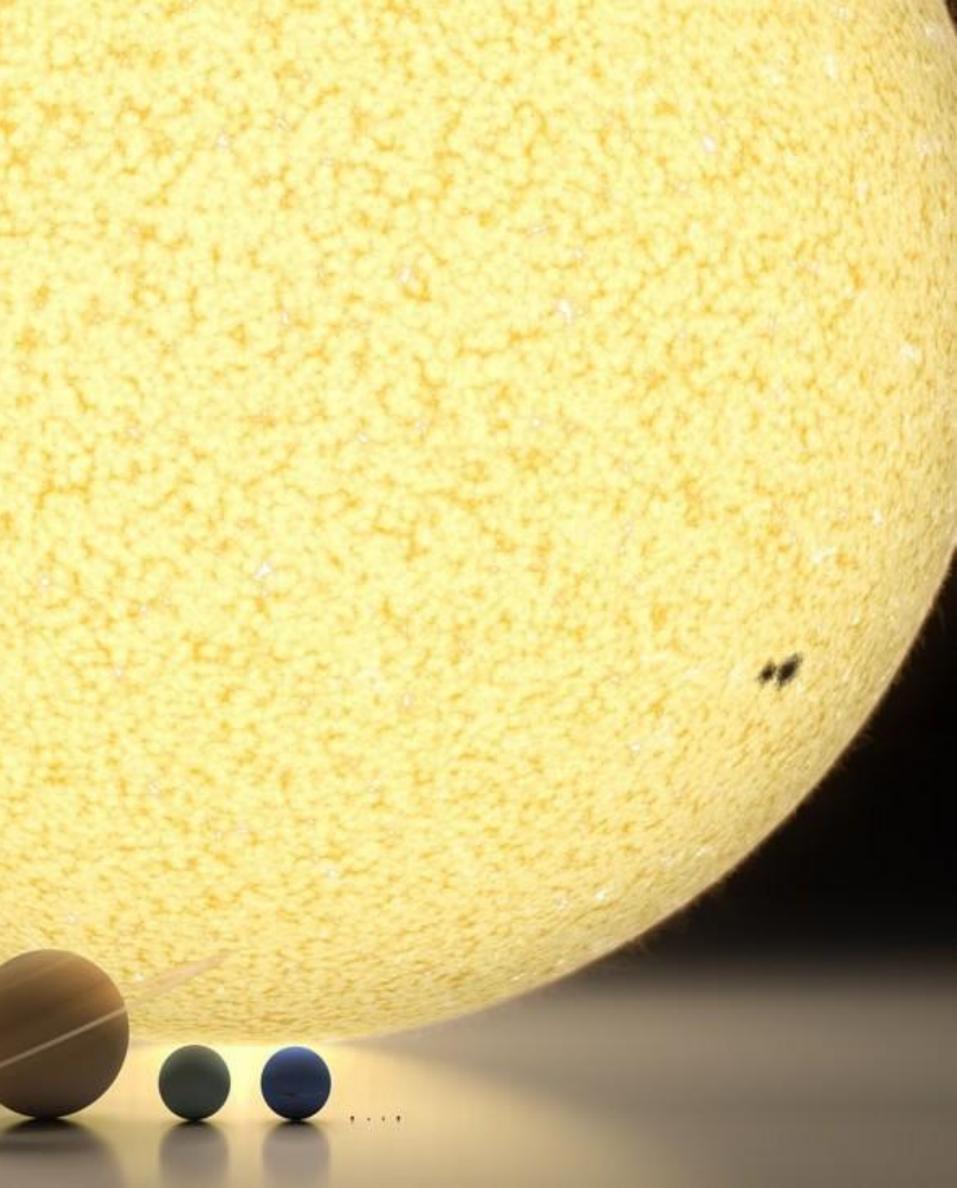
What awaits us in the space industry in the near future?

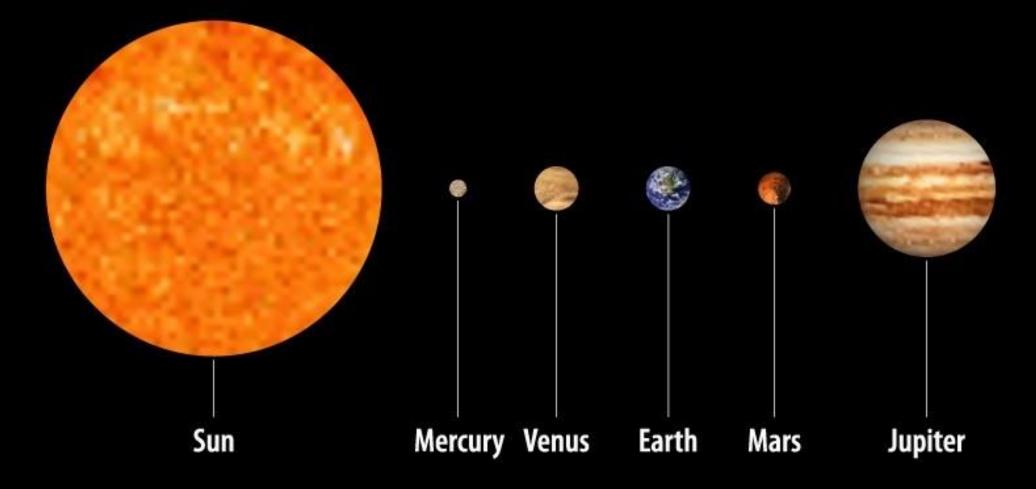


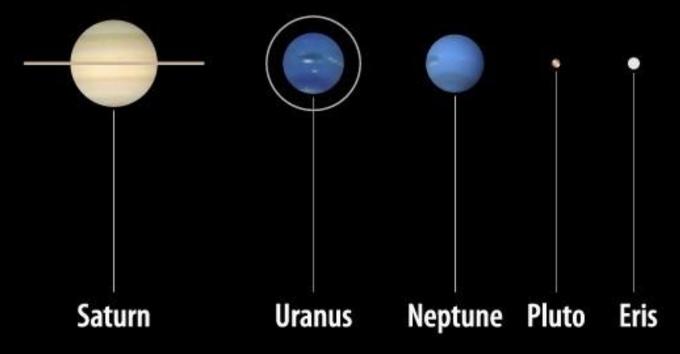
The insane idea of Elon Musk Breakthrough Starshot

Why Mars?

. 9 9. .







EARTH

DIAMETER	12,756 km / 7,926 mi
AVERAGE DISTANCE FROM SUN	150,000,000 km / 93,000,000 mi
TEMPERATURE RANGE	-88C TO 58C / -126F TO 138F
ATMOSPHERIC COMPOSITION	78% N ₂ , 21% O ₂ , 1% OTHER
FORCE OF GRAVITY (WEIGHT)	100 LBS ON EARTH
DAY LENGTH	24 hrs
LAND MASS	148.9 MILLION km ²
PEOPLE	7 BILLION

MARS

6,792 km / 4,220 mi

229,000,000 km / 142,000,000 mi

-140C TO 30C / -285F TO 88F

96% CO_{2} , <2% Ar,<2% N $_{2}$, <1% Other

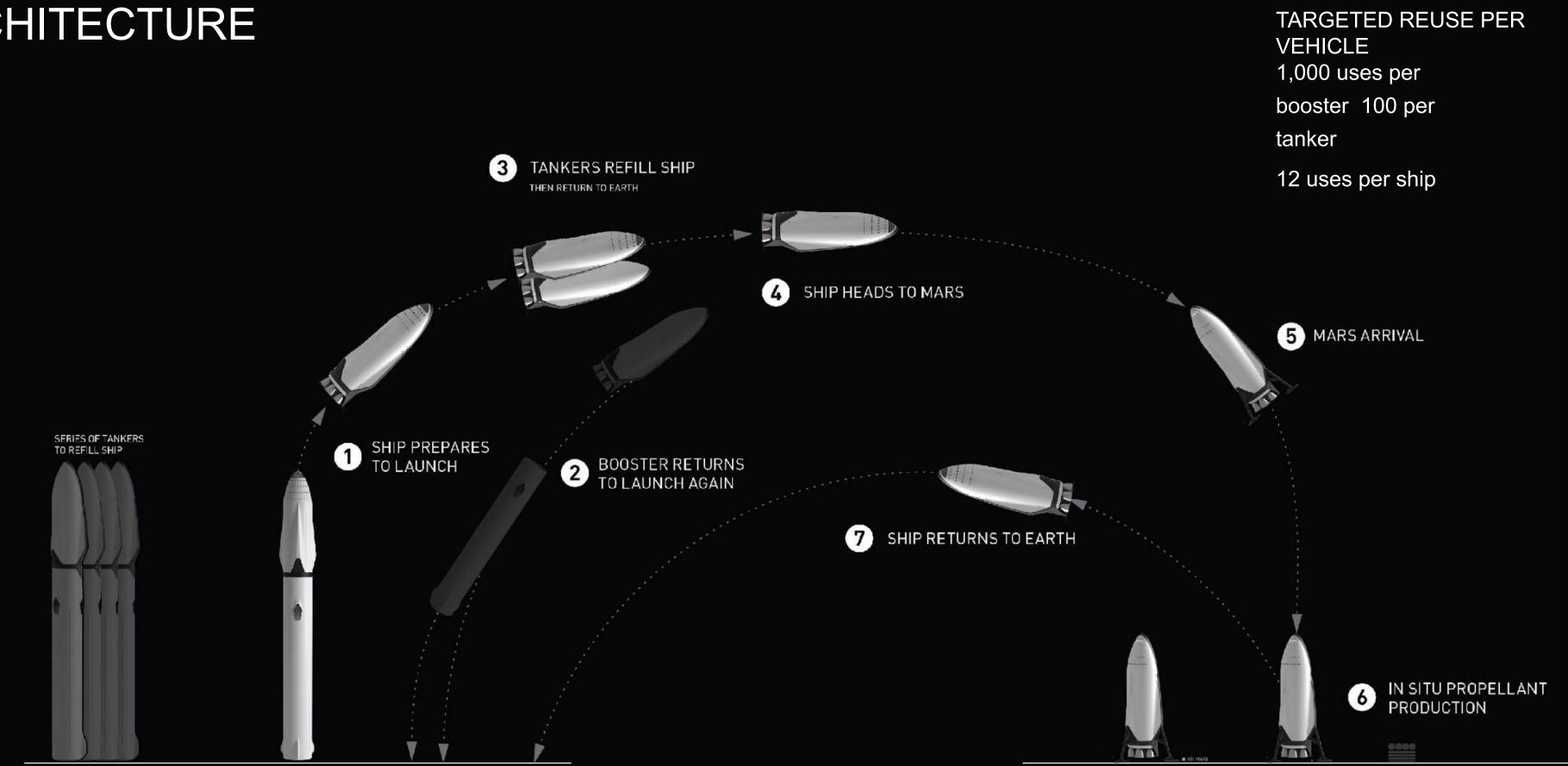
38 lbs ON MARS (62.5% LESS GRAVITY)

24 hrs 40 min

144.8 MILLION km² (97% OF EARTH)

0

SYSTEM ARCHITECTURE

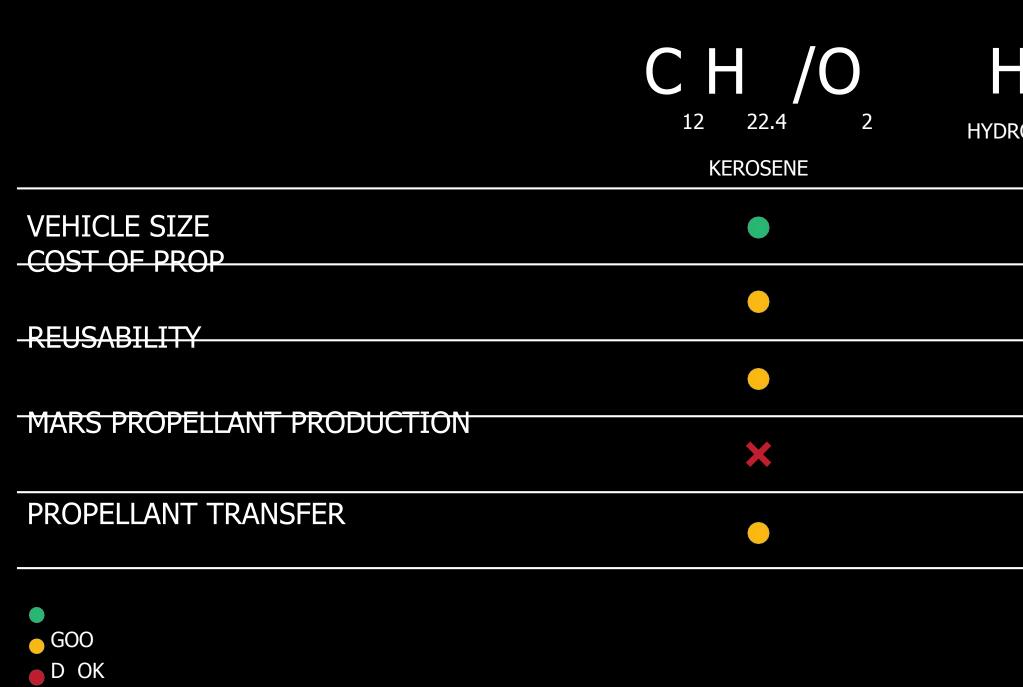


EARTH

MARS



122 M



D OK
BAD
VERY BAD

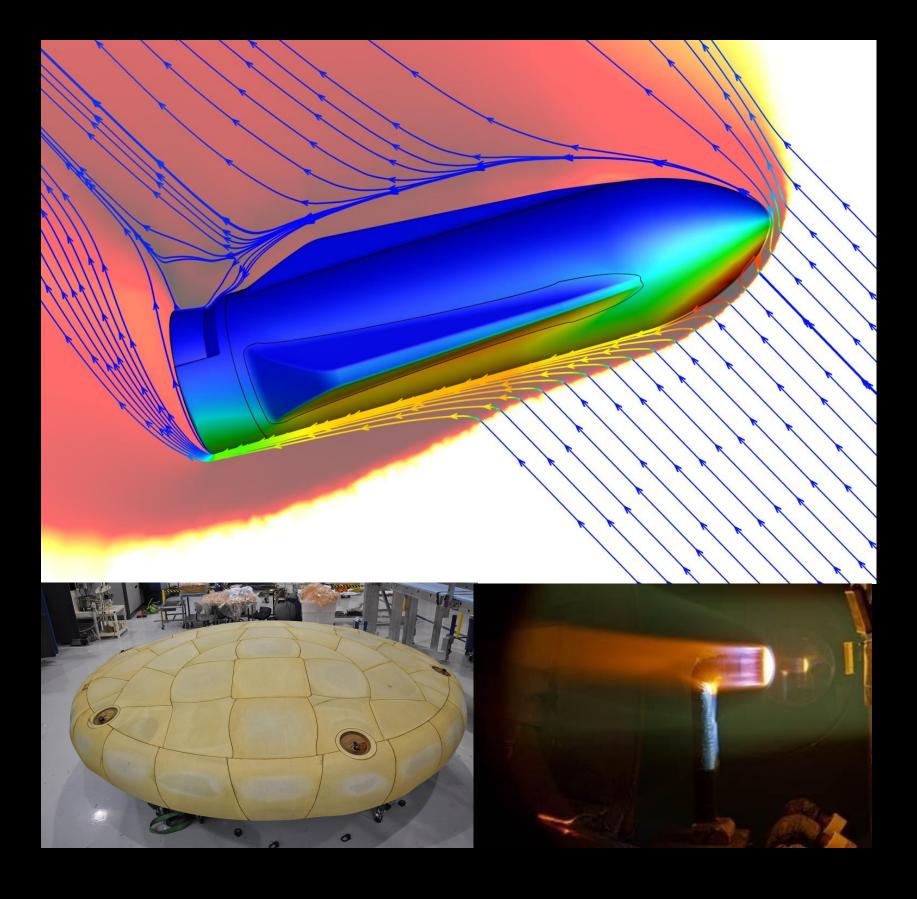
H₂/O₂



ARRVAL

From interplanetary space, the ship enters the atmosphere, either capturing into orbit or proceeding directly to landing

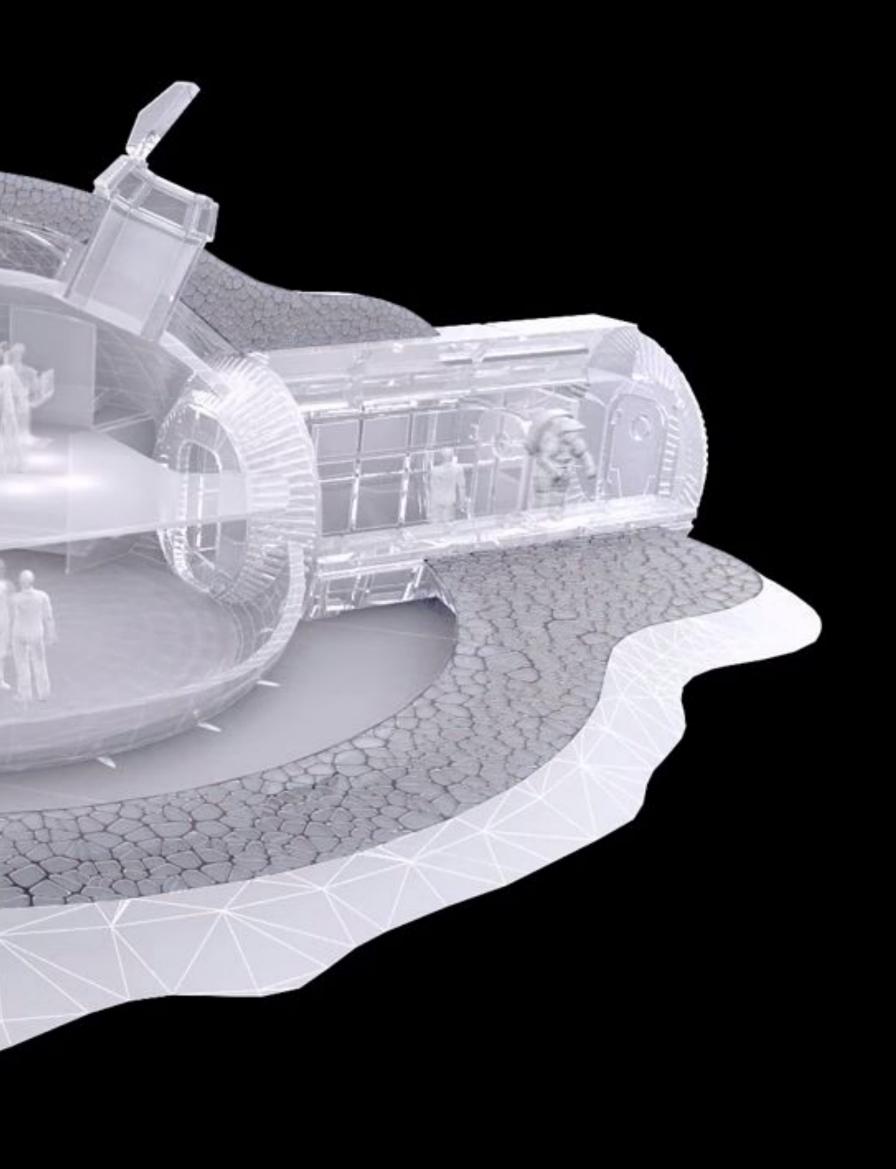
Aerodynamic forces provide the majority of the deceleration, then 3 center Raptor engines perform the final landing burn





11

Meteoroid Protection





ЗЕМЛЯ



MAPC

Твоя часть презентации

Thank you for attention!