



#### MAANA IN A NUTSHELL

Experts in In Situ Resource Utilization & Power Generation Technologies

>€100M

Order book

>€18M

**R&D** Revenues

**25** 

**Employees** 

2018

Founding Year



PARTICIPATED IN 15+ SPACE R&D PROJECTS



## **OUR MASTERPLAN**

STEP 1



ENABLING THE GREEN TRANSITION

STEP 2



PROVIDE CHEAP ENERGY
ON THE MOON



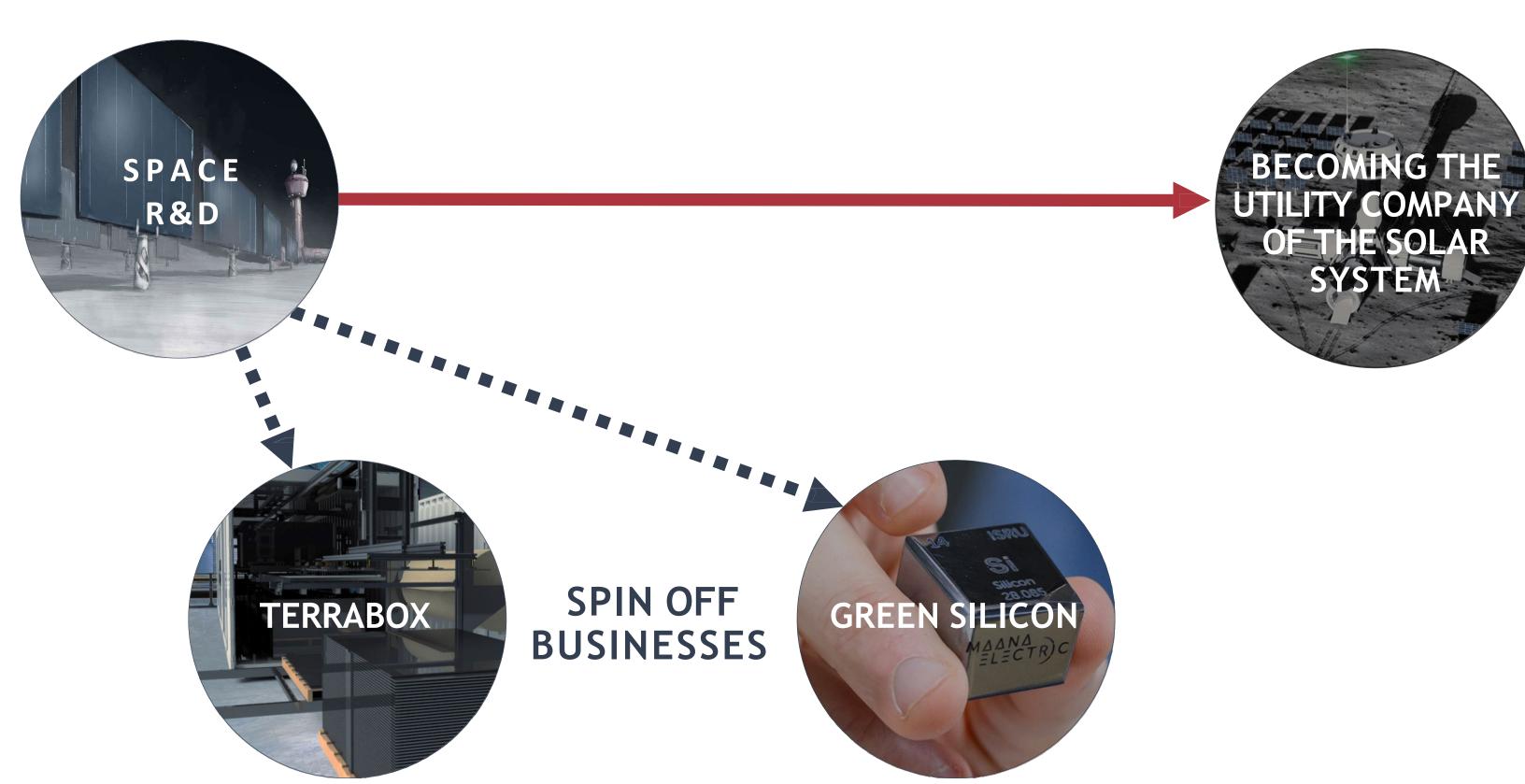


BECOMING THE UTILITY
COMPANY OF THE SOLAR
SYSTEM



#### **COMPANY PHILOSOPHY**

"2 birds, 1stone" approach

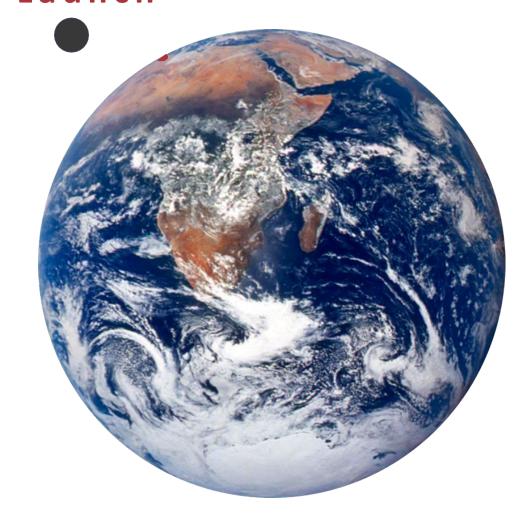




## MAANA BECOMING A SPACE FARING CIVILIZATION

Many hurdles exist in making Humanity a Space Faring civilization

**HURDLE 1:** Launch



**HURDLE 2:** Power



**HURDLE 3:** Living off the land



#### THE "LAUNCH REVOLUTION"

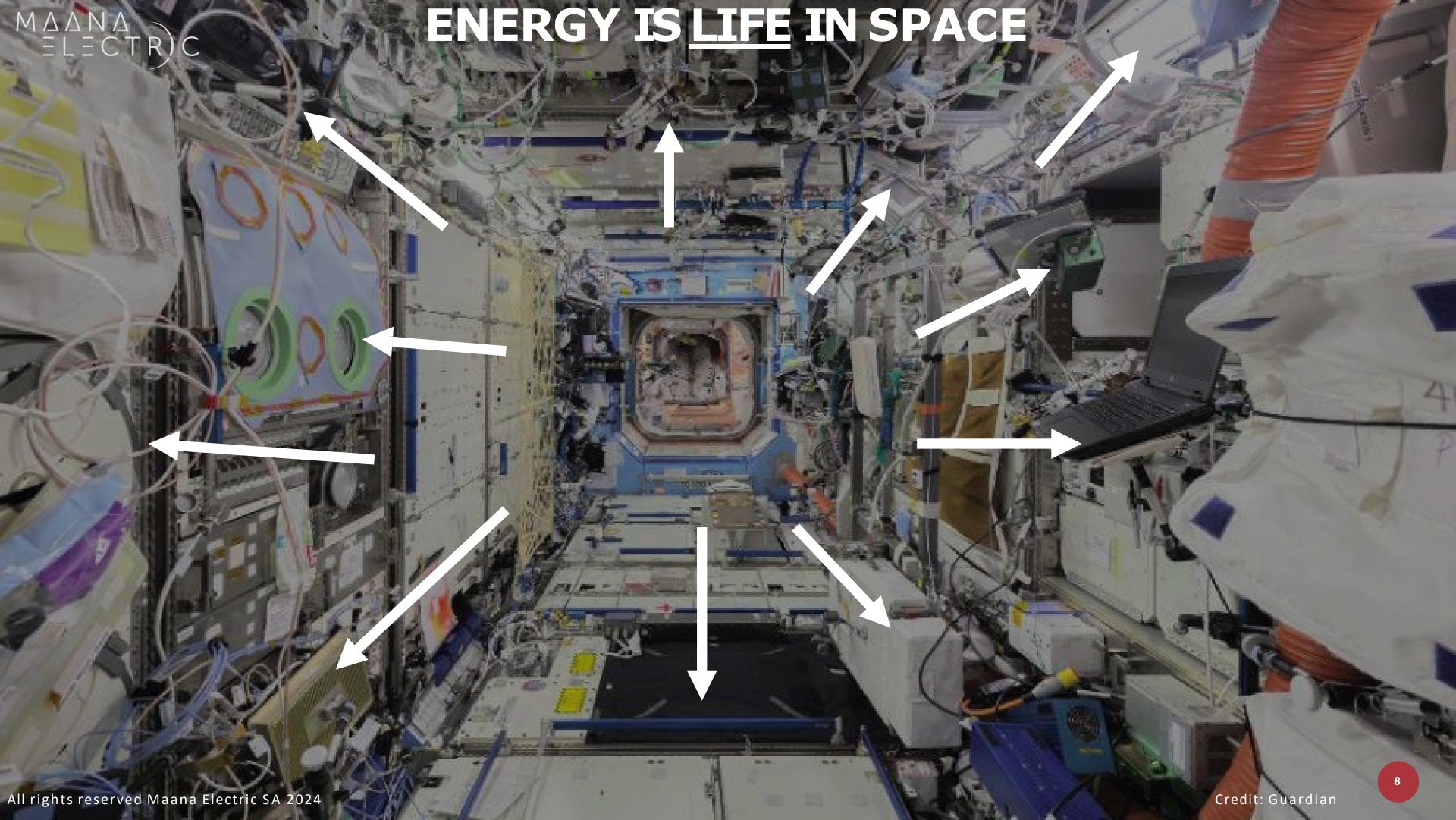
Dec 21, 2015: first time Falcon 9 successfully Landed





6





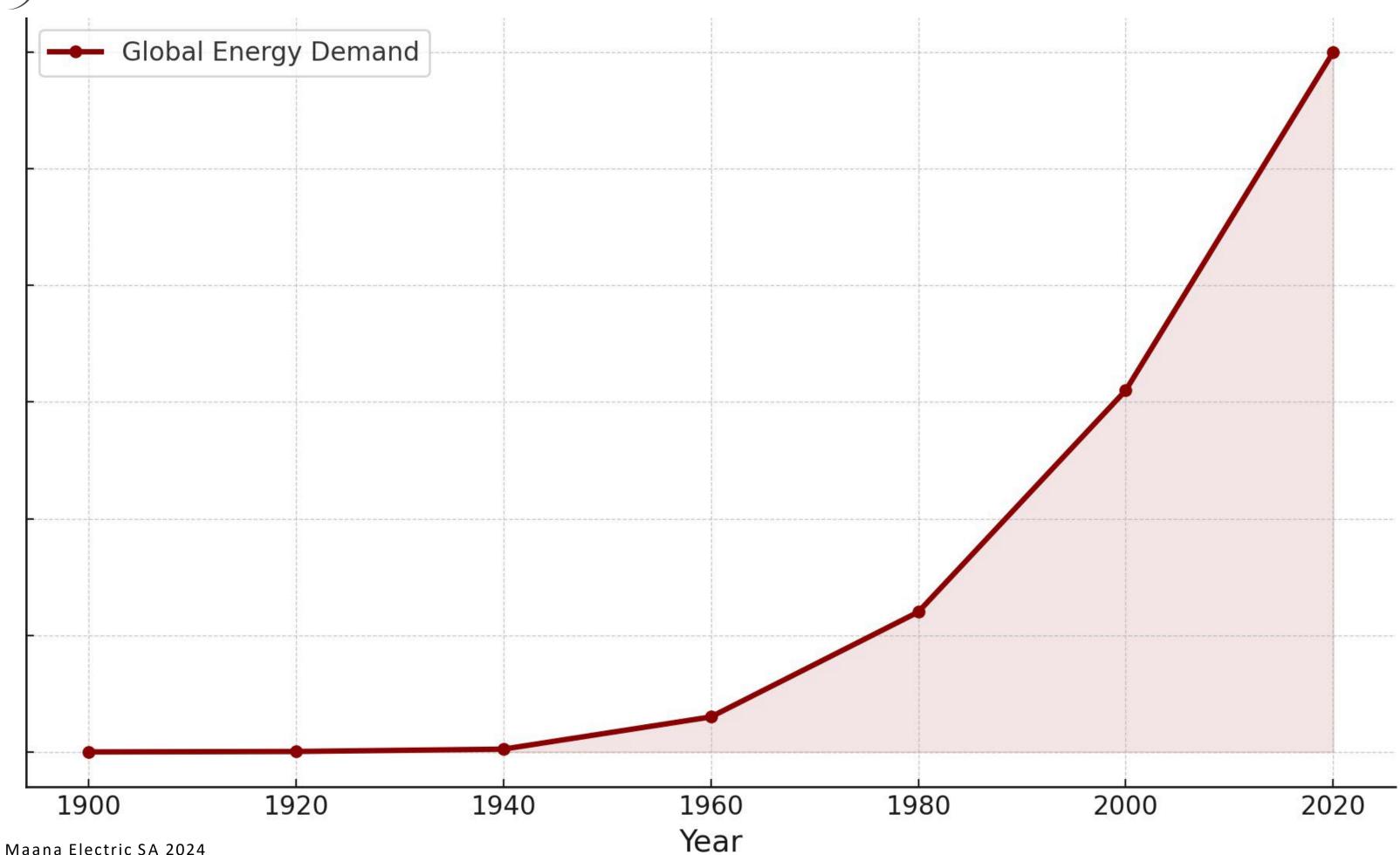


# Power demand increases by orders of magnitude when LIVING OFF THE LAND



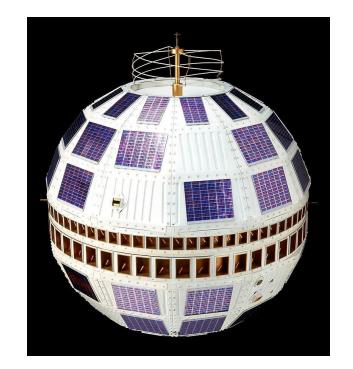


#### **ENERGY DEMAND ON EARTH**





#### SAME HAPPENING IN SPACE



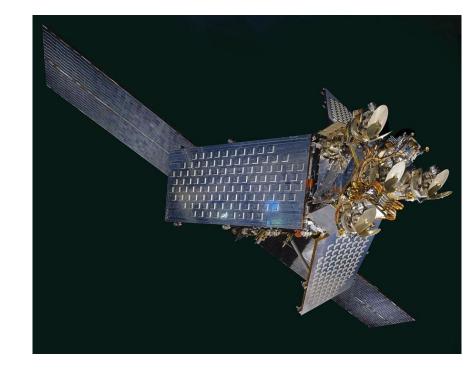
TELSTAR 1(1962)



ATS 6 (1974)



TDRS (1983)



IRIDIUM (1991)



**ISS** (2024)



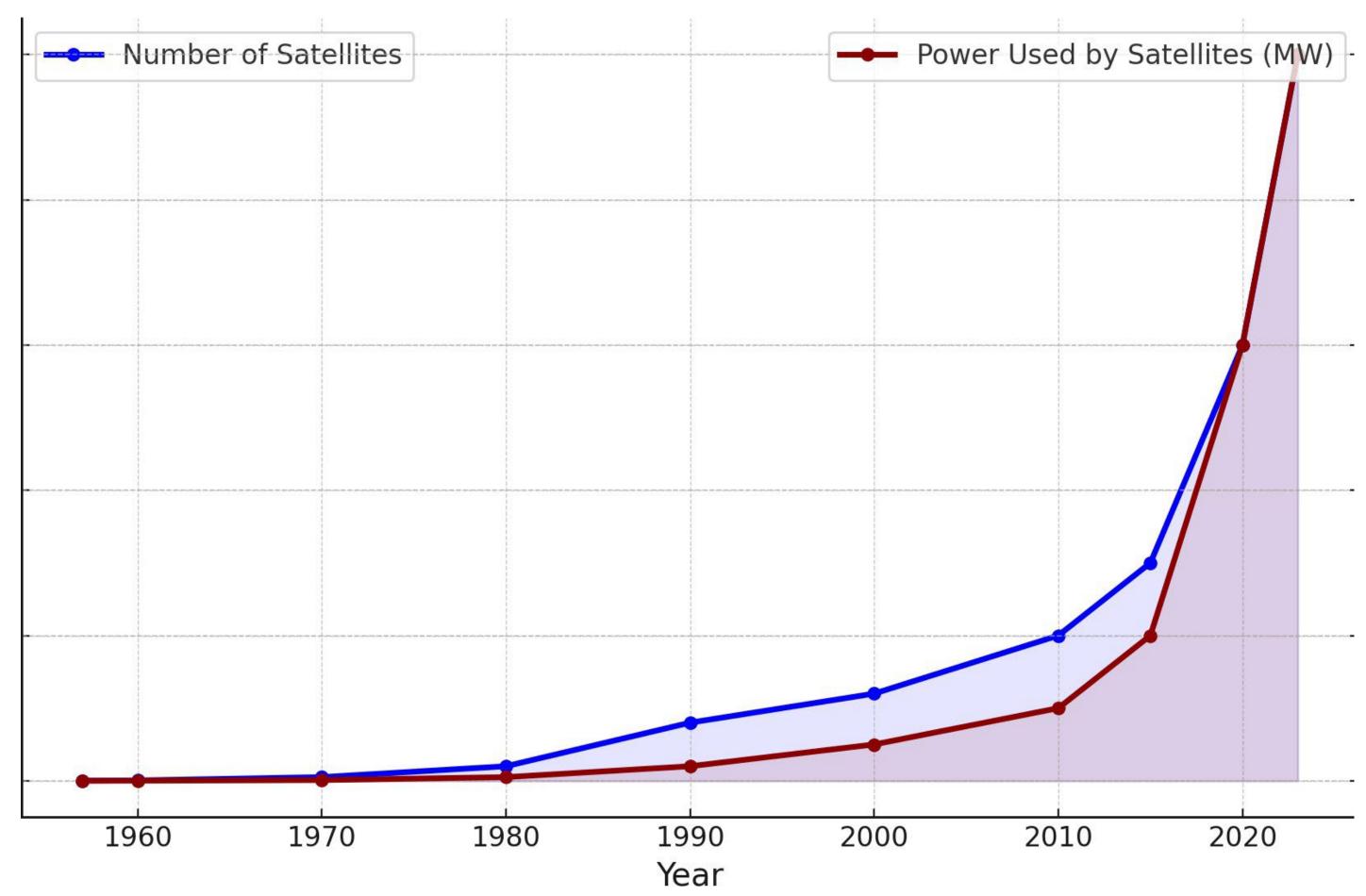
ASTRA 3B (2010)



ISS (2000)

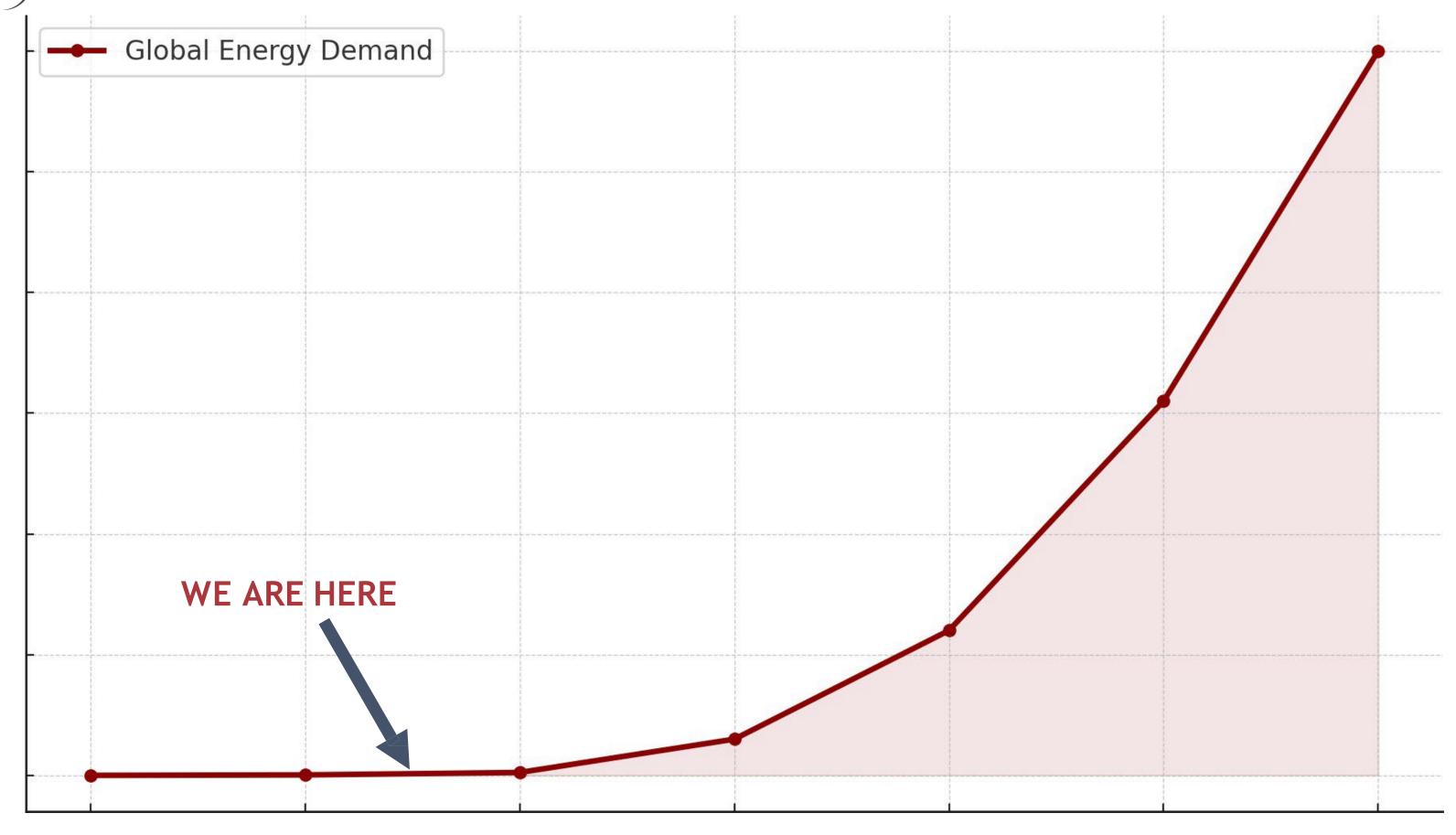


#### **ENERGY DEMAND IN SPACE**

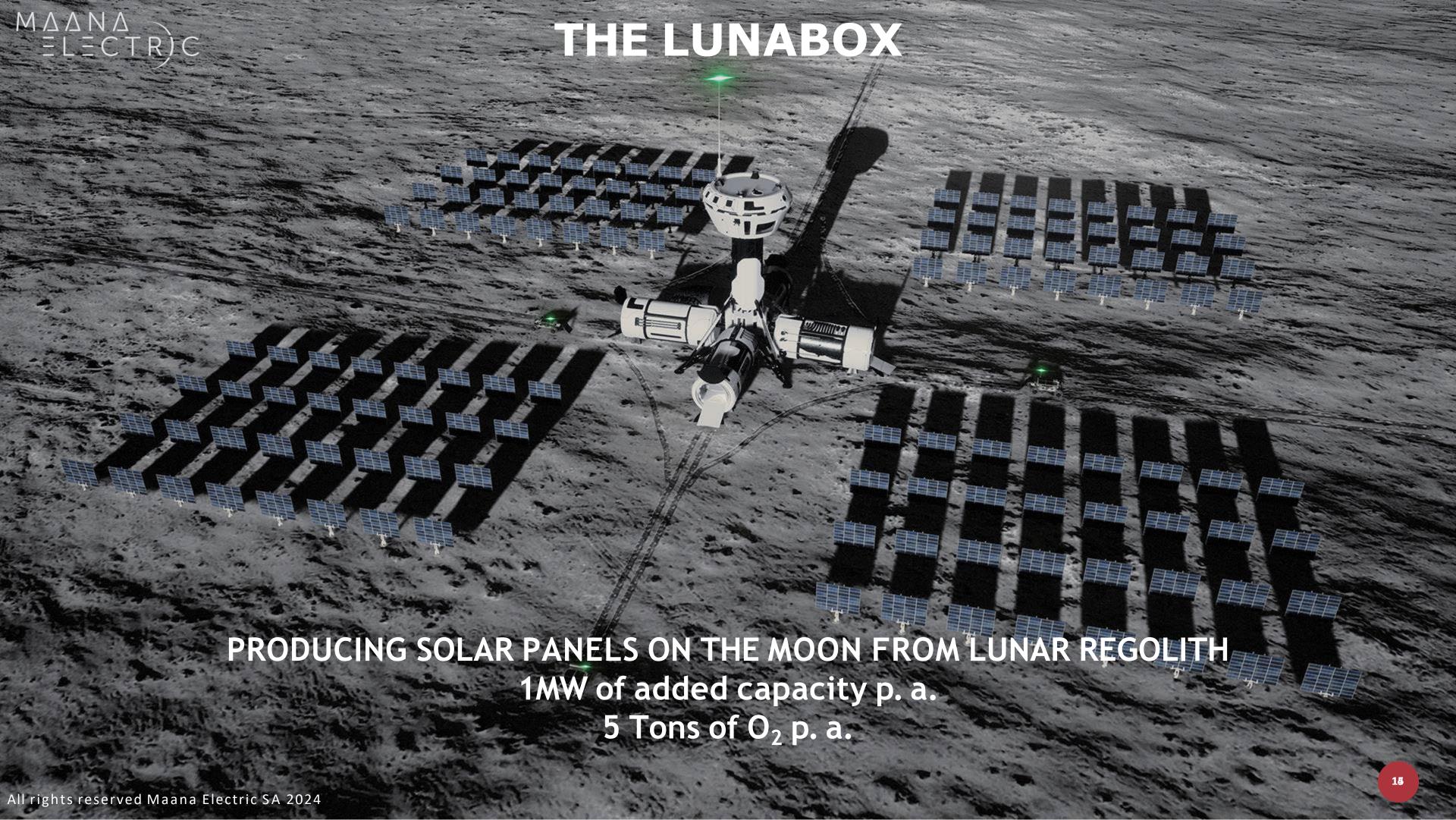




### **ENERGY IN SPACE IS AT ITS INFANCY**









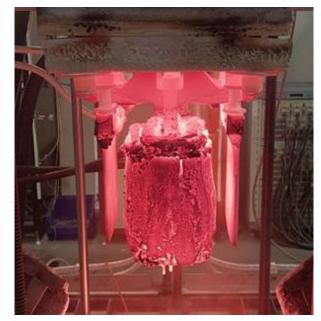
#### THE "POWER REVOLUTION"

2024: first fully ISRU solar panel

#### **INNOVATIONS ON:**



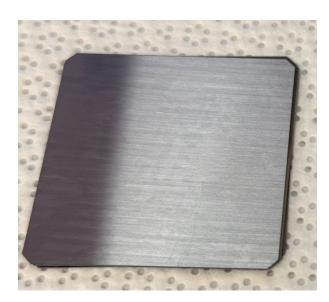
**BENEFICIATION** 



METAL EXTRACTION



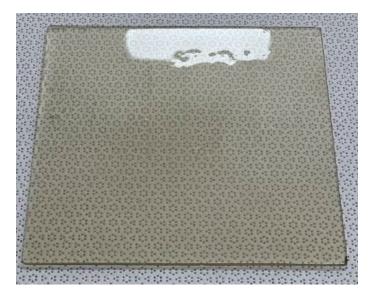
METAL PURIFICATION



WAFERING

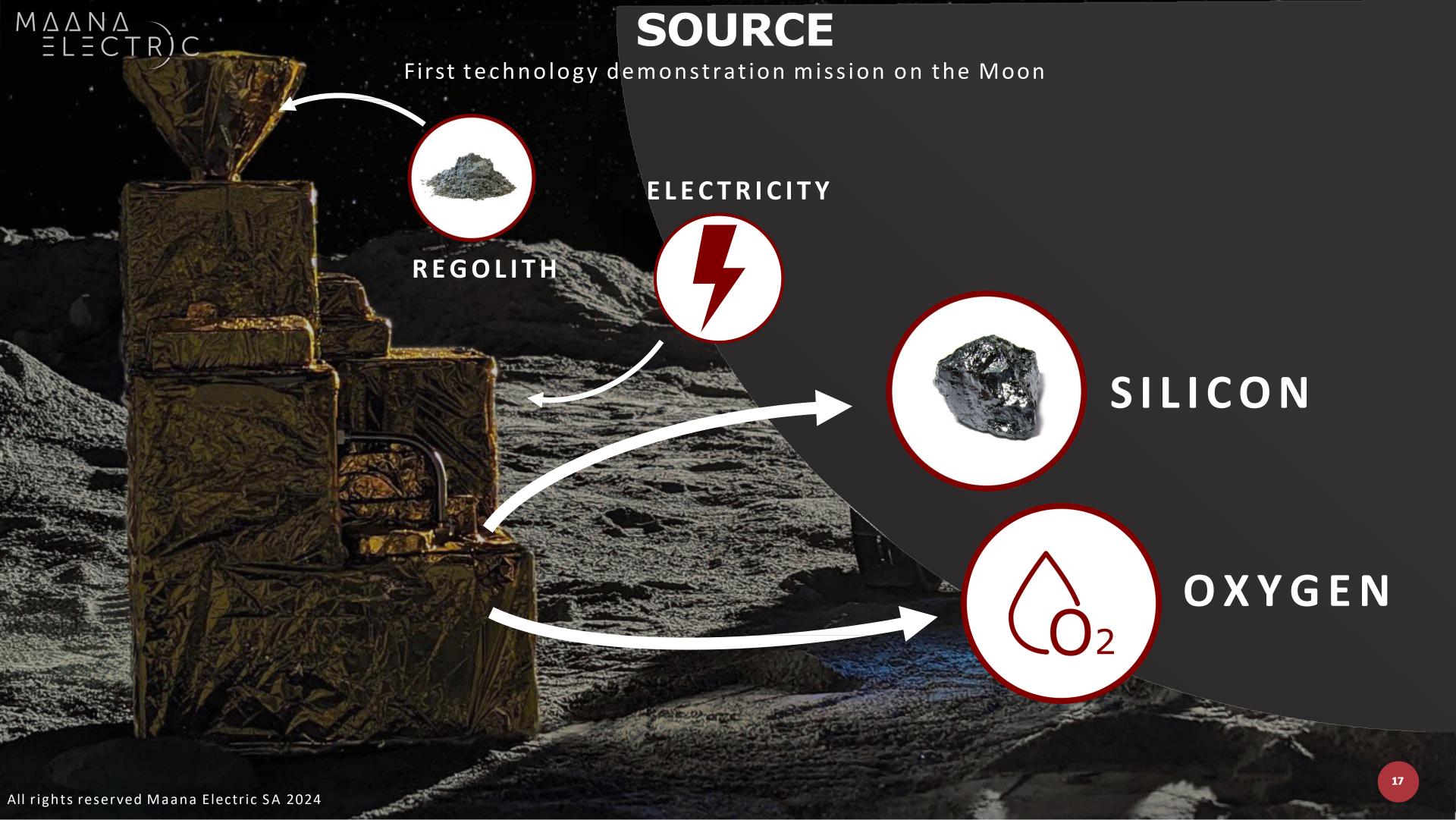


SOLAR CELL FABRICATION



GLASS MANUFACTURING





Time

Panel



#### **Powering Human Ambition**

Making electricity as accessible on the Moon as it is on Earth

#### PRICES STARTING AT:





PLUG AND PLAY SOLUTION
OFFERED THROUGH POWER PURCHASE AGREEMENTs (PPA)

