



**D - O R B I T**  
*N E W   S P A C E   S O L U T I O N S*

14 July 2017

**LUCA ROSSETTINI, CEO**



A satellite with two large solar panels is positioned in the upper left corner of the frame. A bright, narrow beam of light originates from the satellite and extends diagonally downwards to the left, where it strikes the horizon of the Earth. The horizon is a glowing blue line that curves across the bottom of the image. The background is a deep, solid black, representing the void of space.

# **SPACE 2.0 THE NEXT MARKET**



**MINIATURIZATION**



**1999: LANDSAT 7  
2200 KG**



# 2013: SKYSAT-1

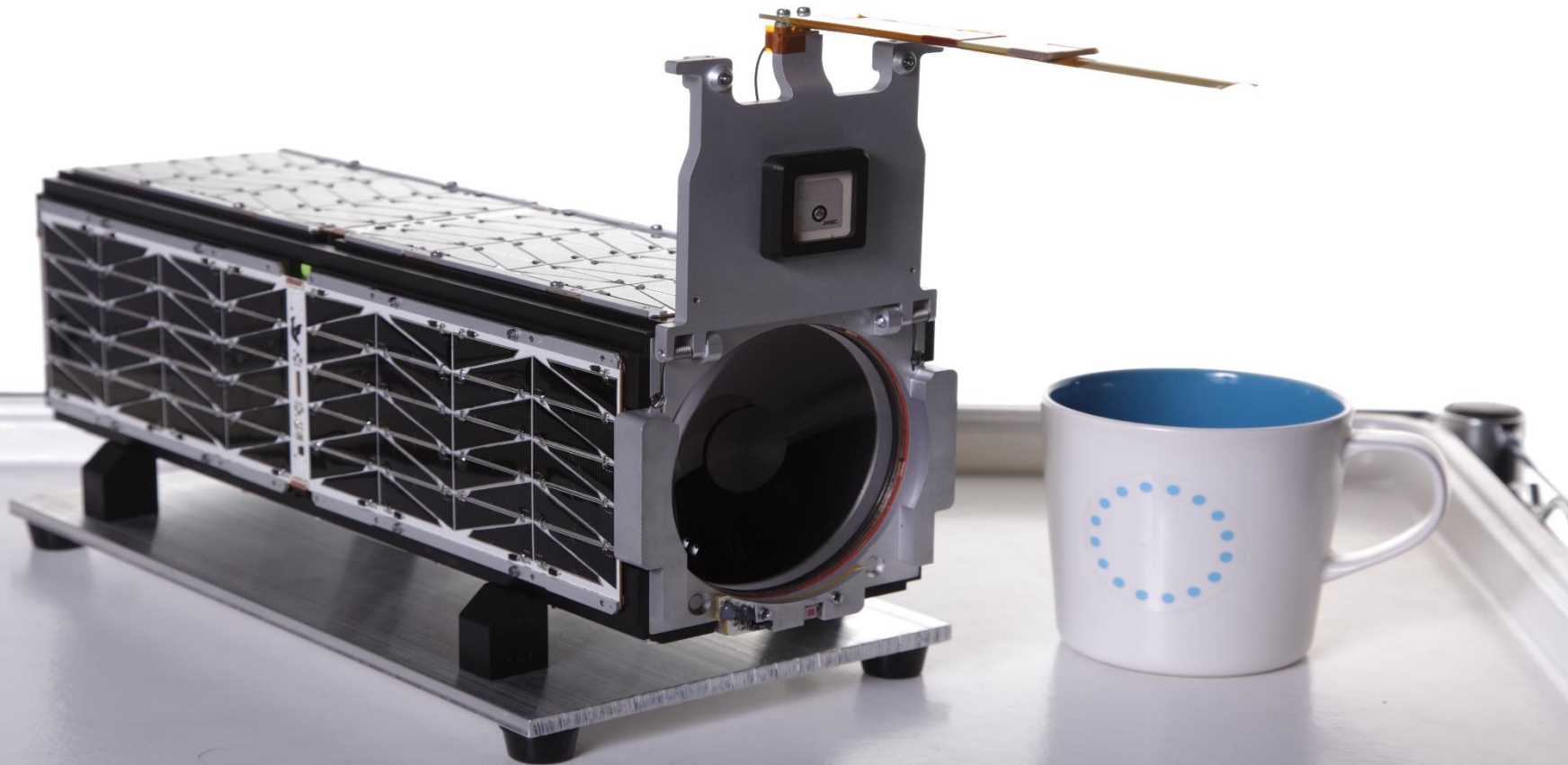
## 83 KG





# 2016: DOVE-2

## 4 KG





# **GROWTH OF COMMERCIAL SPACE**



1966

- Countries with satellites
- Space-launching countries with satellites



2016

-  Countries with satellites
-  Space-launching countries with satellites



2005 – 2014: **885** satellites

2015 – 2024: **+11306** satellites







RICHARD

Creating the  
world's largest  
ever satellite  
constellation







BUILDING THE WORLD'S LARGEST

# CONSTELLATION OF SATELLITES

900

SATELLITES

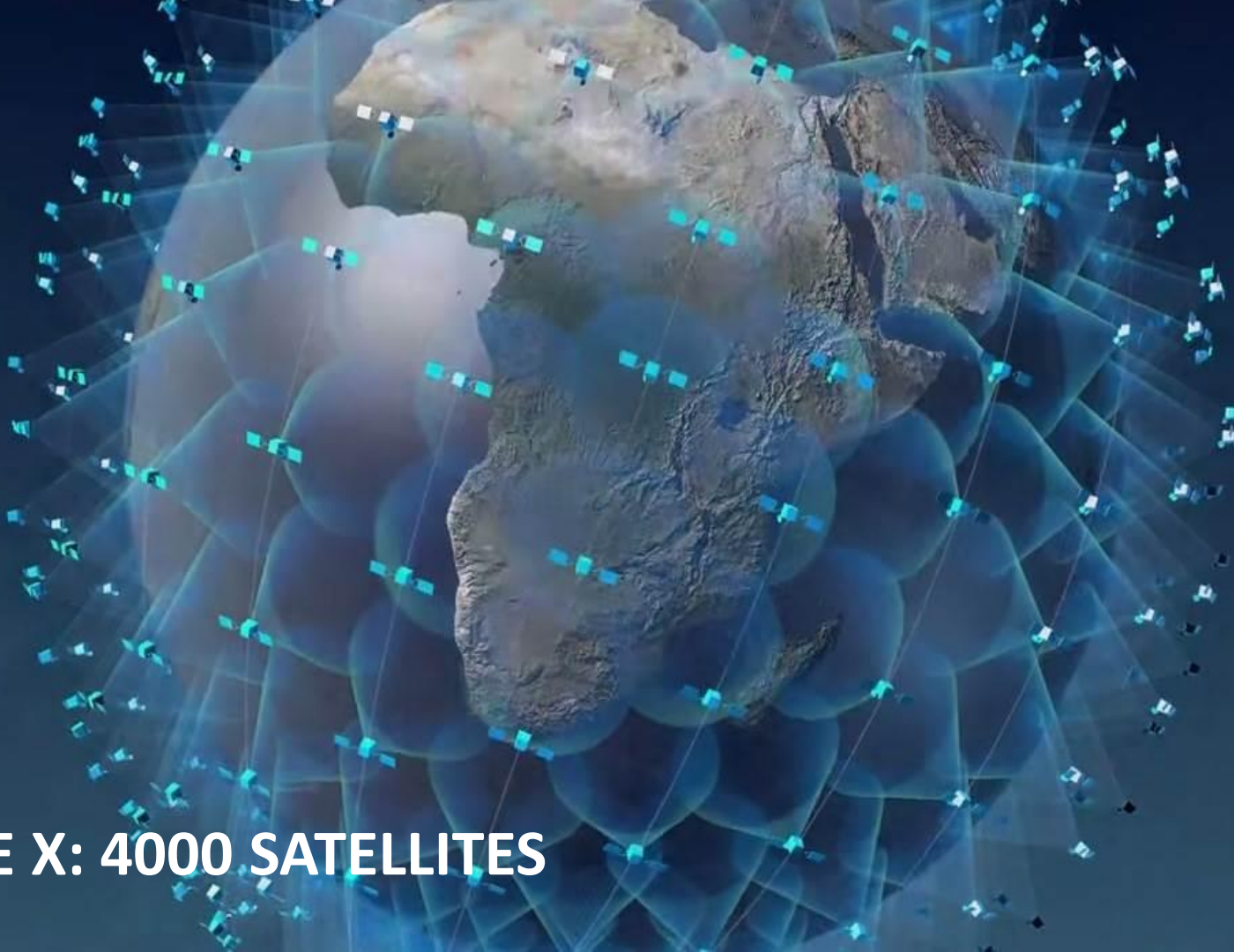
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**SPACE X: 4000 SATELLITES**

A dark blue world map with glowing yellow and orange lights representing city lights at night. The lights are concentrated in North America, Europe, and East Asia, with some scattered lights in South America, Africa, and Australia. The map is centered on the Atlantic Ocean.

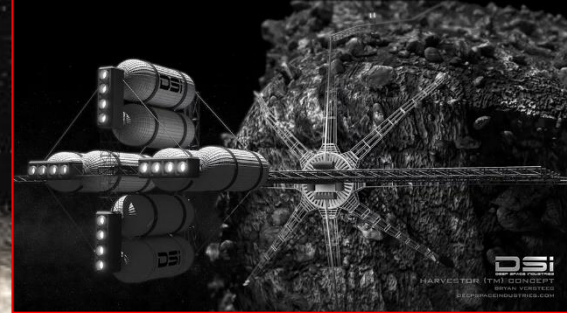
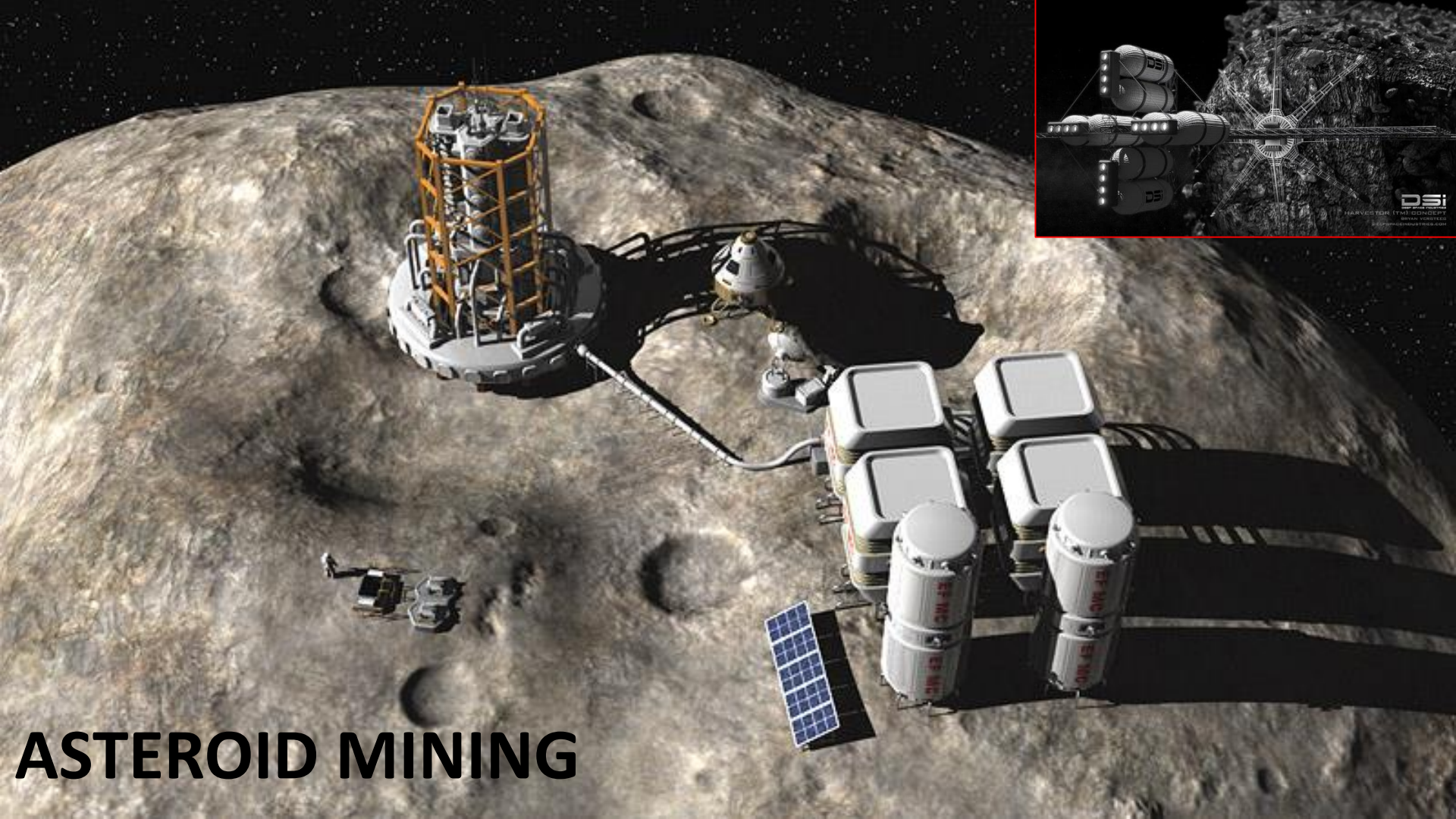
**ACCESS TO CAPITAL**







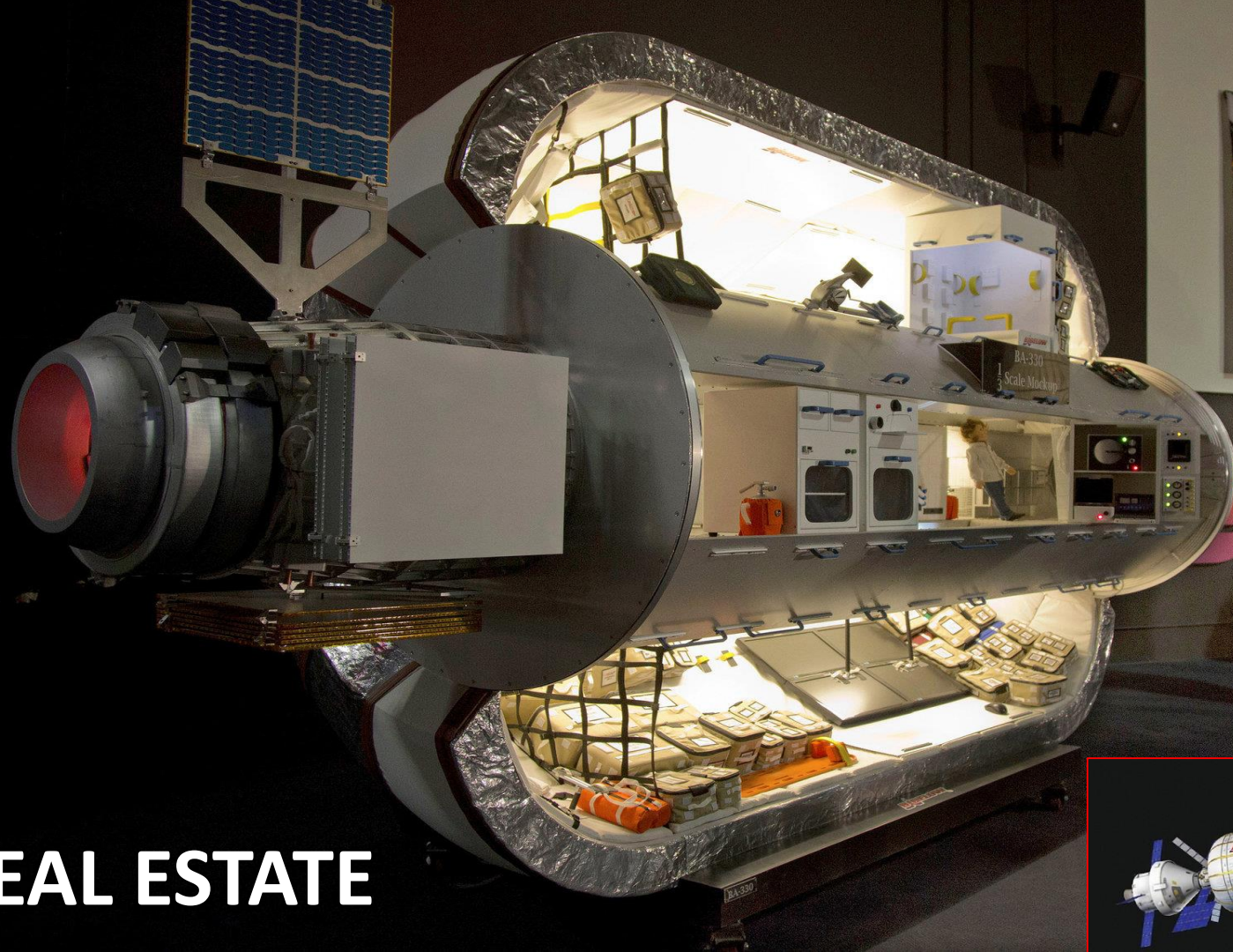
**WHAT DOES NEW SPACE  
MEAN?**



**ASTEROID MINING**



REAL ESTATE







# SPACE TOURISM

# WANNA SEE THE MOON?





# SPACE FUNERAL

Remember a Loved One Throughout The Night Sky

[Learn About The Experience](#)

ELYSIUM  
SPACE



**WOULD YOU TAKE A  
ONE-WAY TRIP TO MARS?**

MARS  NE





A photograph of Earth from space, showing the curvature of the planet and a bright sun rising over the horizon, creating a lens flare effect. The Earth's surface is covered in clouds and oceans, with the blue of the atmosphere visible at the top.

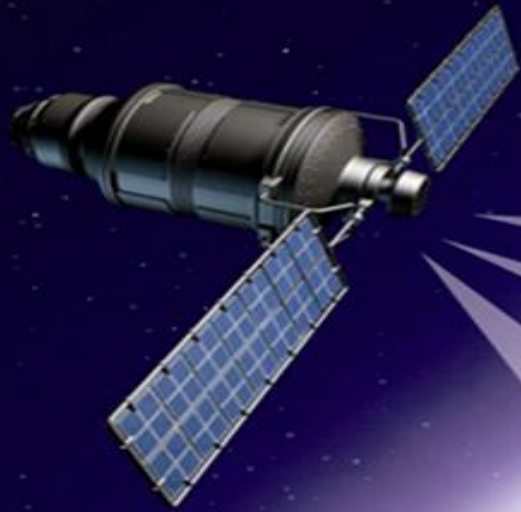
**WHAT ELSE CAN WE USE  
NOW?**

**INTERNET EVERYWHERE**

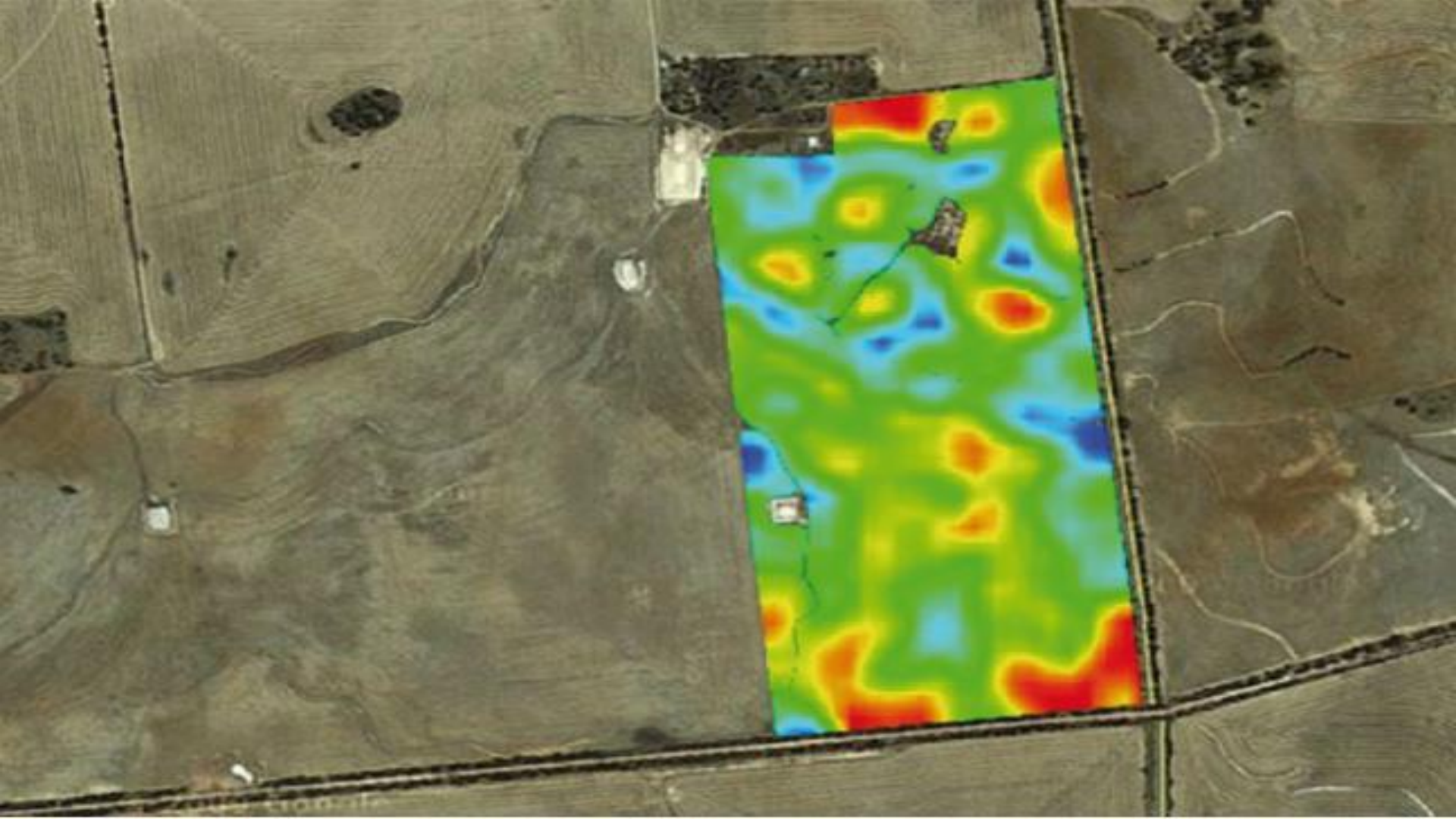




# AGRICULTURE







# COMMUNICATIONS



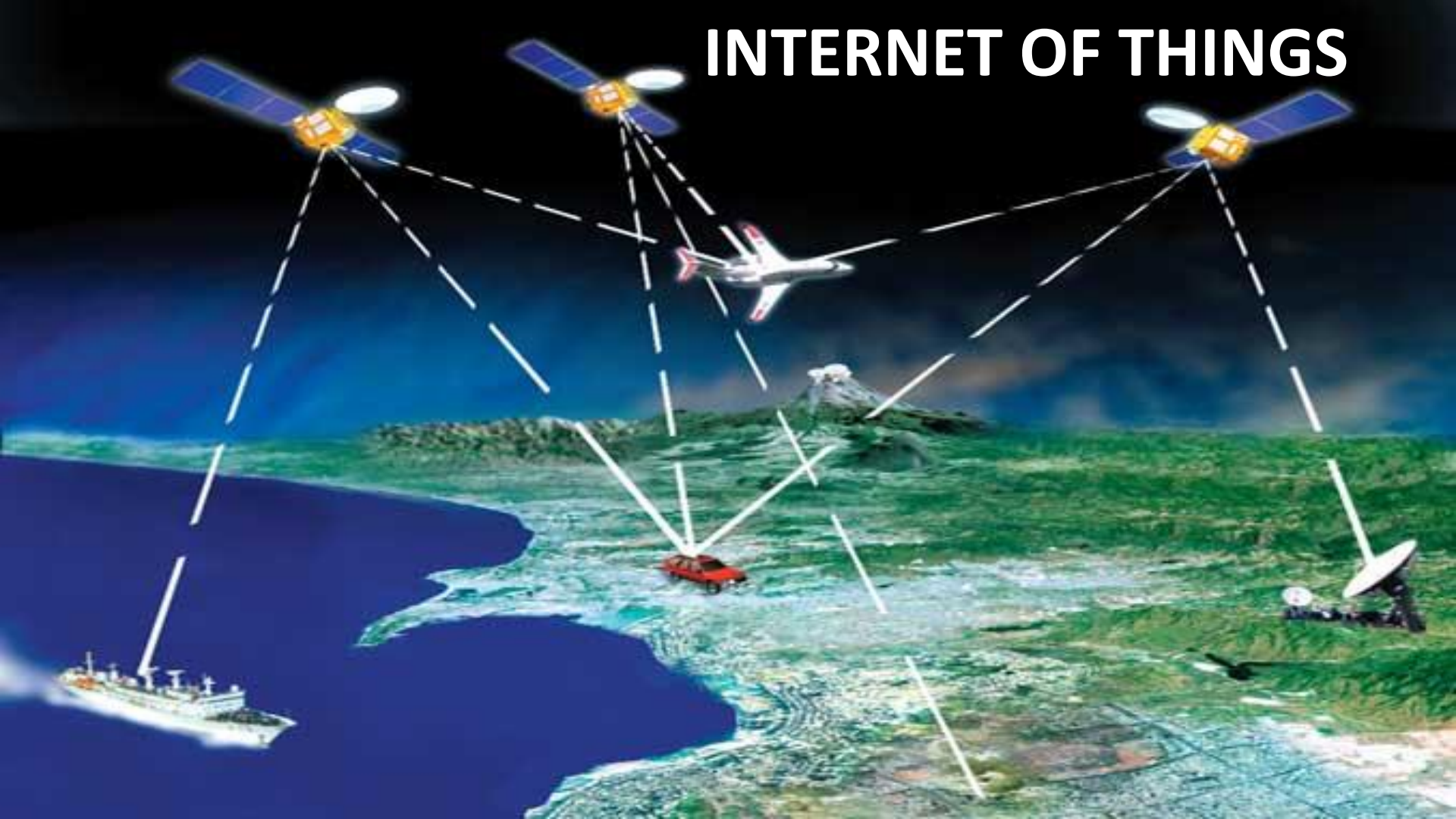




**COMMUNICATIONS**



# INTERNET OF THINGS





**SAFER FLIGHTS**



# FLEETS MANAGEMENT





# FLEETS MANAGEMENT



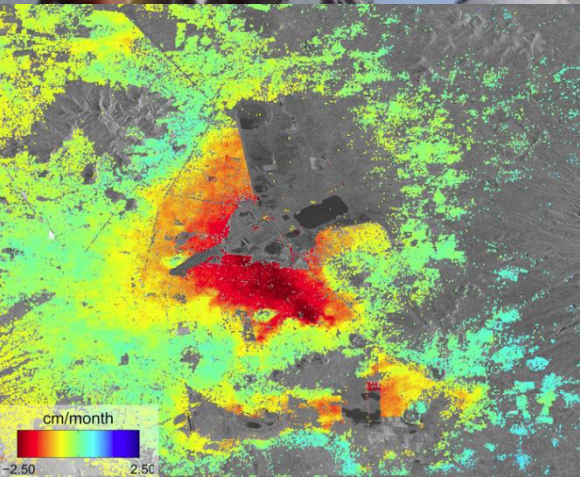


# TRAFFIC MANAGEMENT



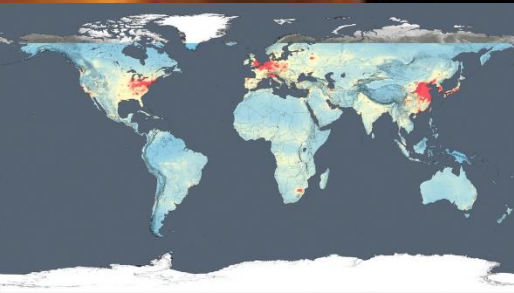


# EARTHQUAKE MONITORING AND PREVENTION

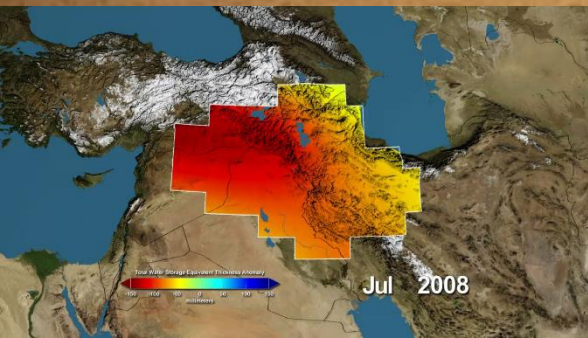




**FIGHT  
POLLUTION**



# FIND WATER



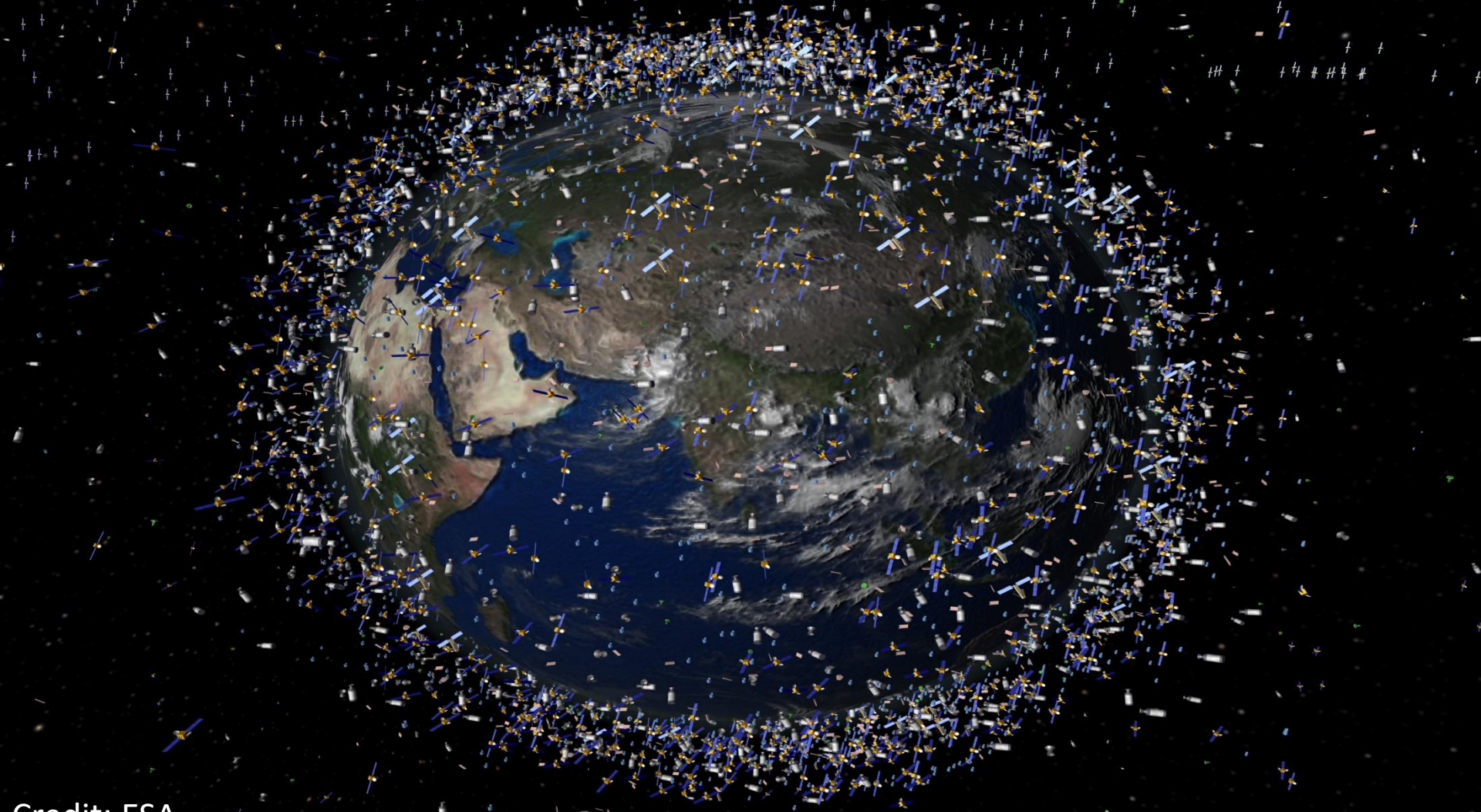
**WHAT'S  
THE  
CATCH?**







December 7, 1972. Apollo 17 Mission



Credit: ESA











**THIS IS A JOB FOR...**

**ITALY  
IS LEADER WORLDWIDE  
ON SPACE DEBRIS MITIGATION  
SOLUTIONS**





**INFLATABLE  
BALLOON**

A large, white, spherical inflatable balloon is shown in space, with the Earth's horizon visible in the background. A small satellite component is attached to the side of the balloon.



**TETHER**

A satellite with solar panels is shown in space, connected to a long, thin tether that extends downwards. The Earth's horizon is visible in the background.

# **ITALY: DEBRIS MITIGATION SOLUTIONS**



**DRAG SAILS**

A large, dark, triangular drag sail is shown in space, with the Earth's horizon visible in the background. The sail is deployed from a central point, creating a large, flat surface.

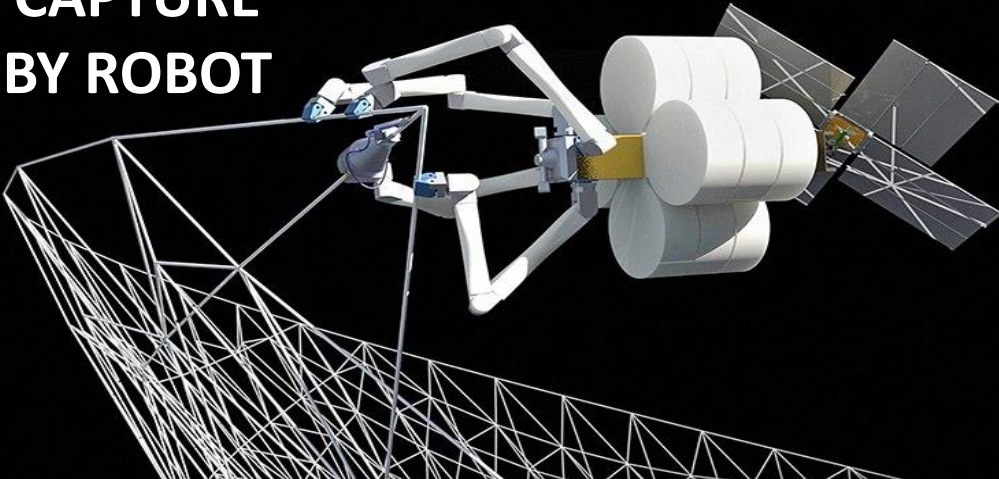


## SERIAL CAPTURES

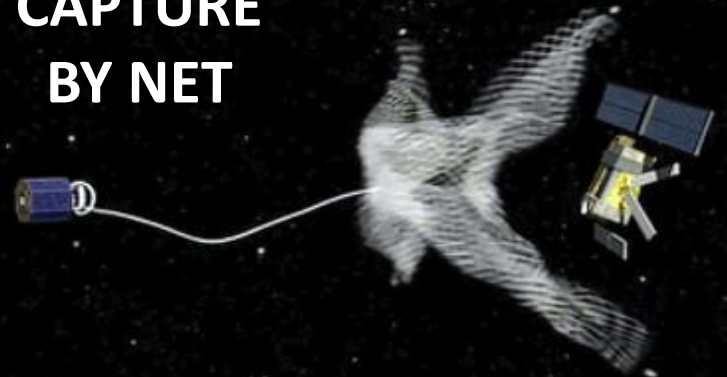


## GOING AFTER DEAD SATELLITES

### CAPTURE BY ROBOT



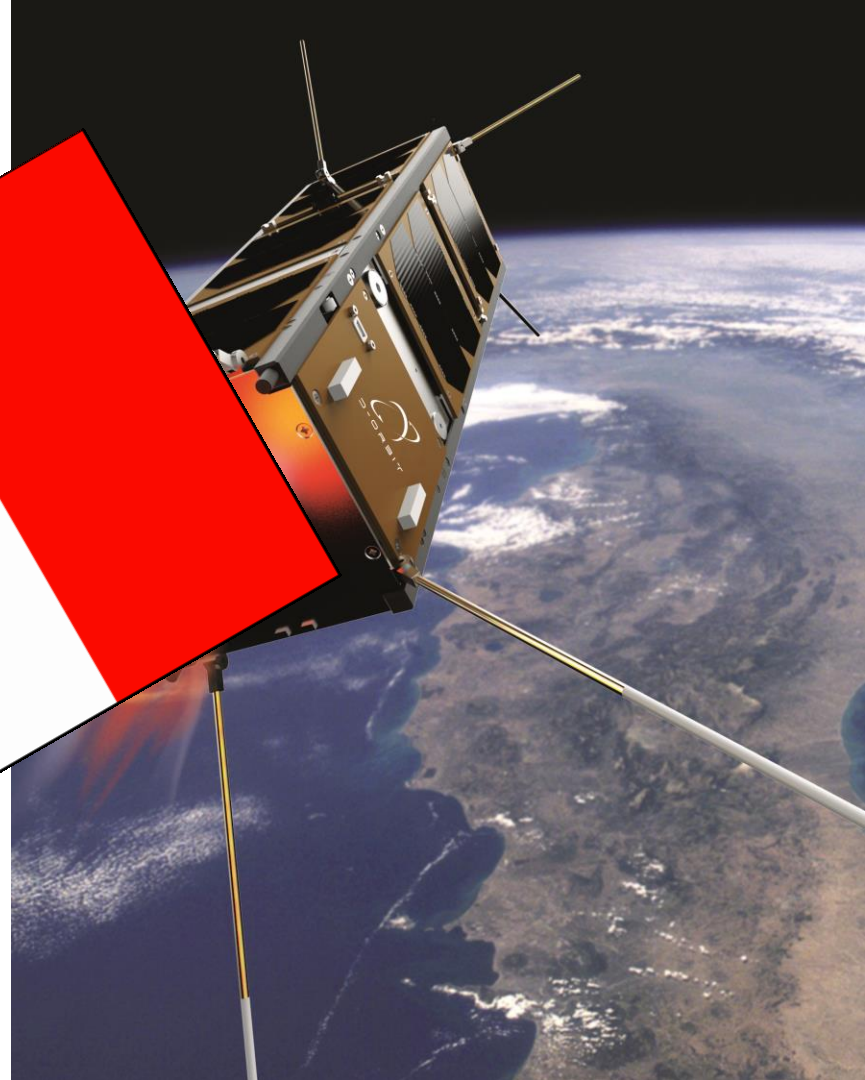
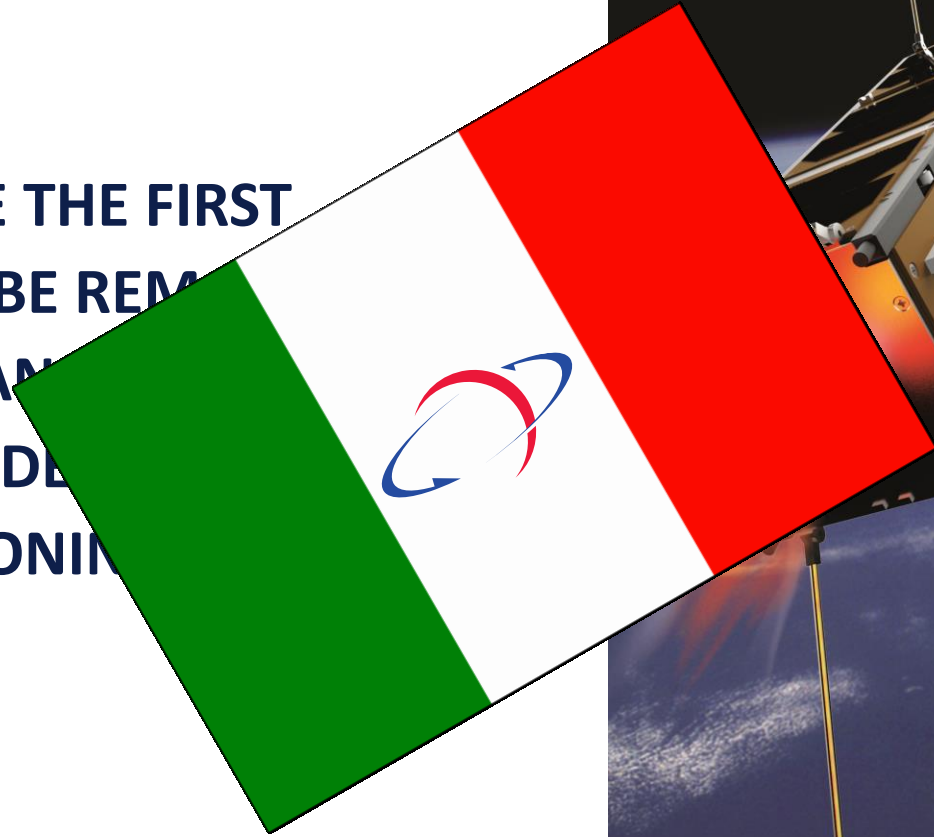
### CAPTURE BY NET



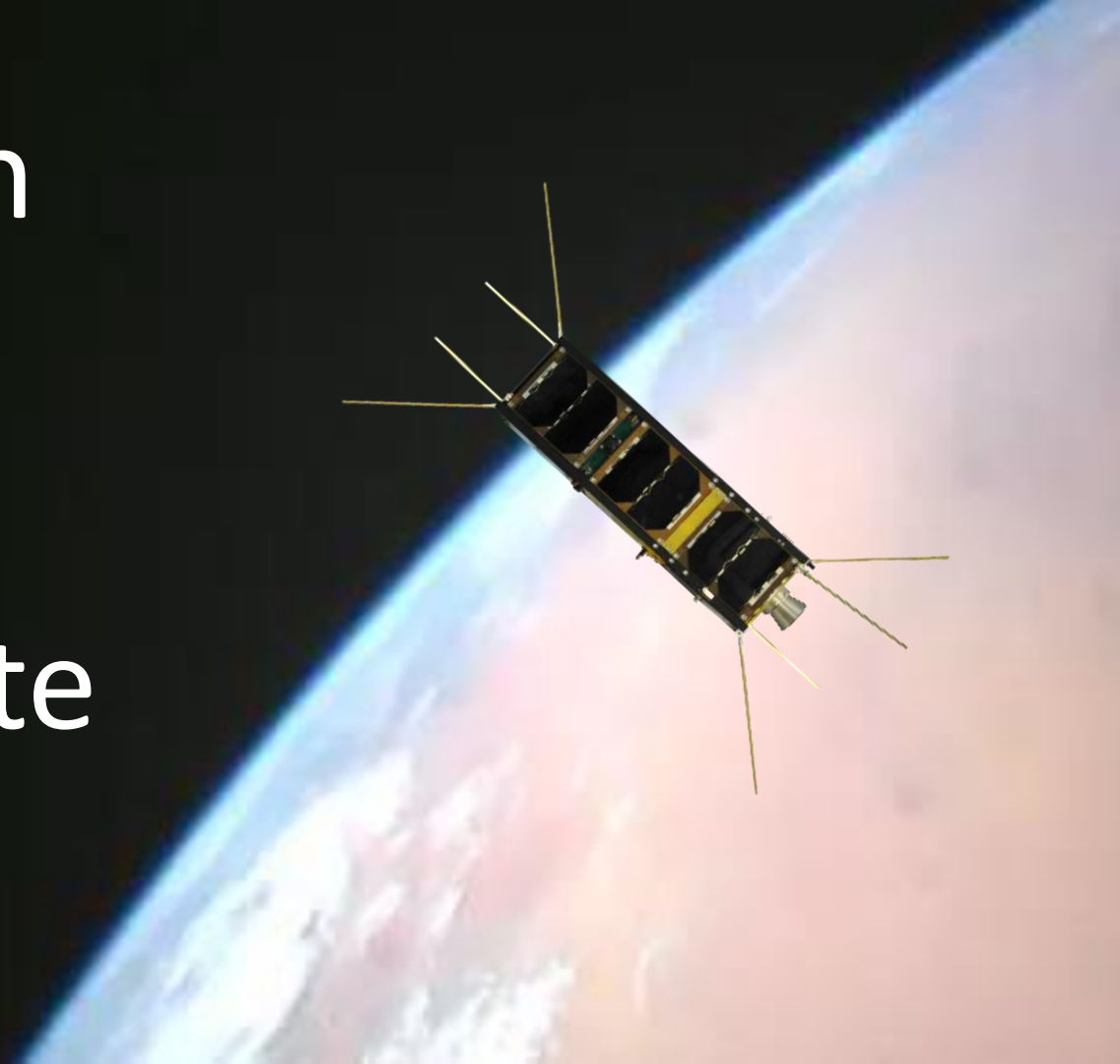


**23<sup>rd</sup> of June, 2017 D-SAT mission:**

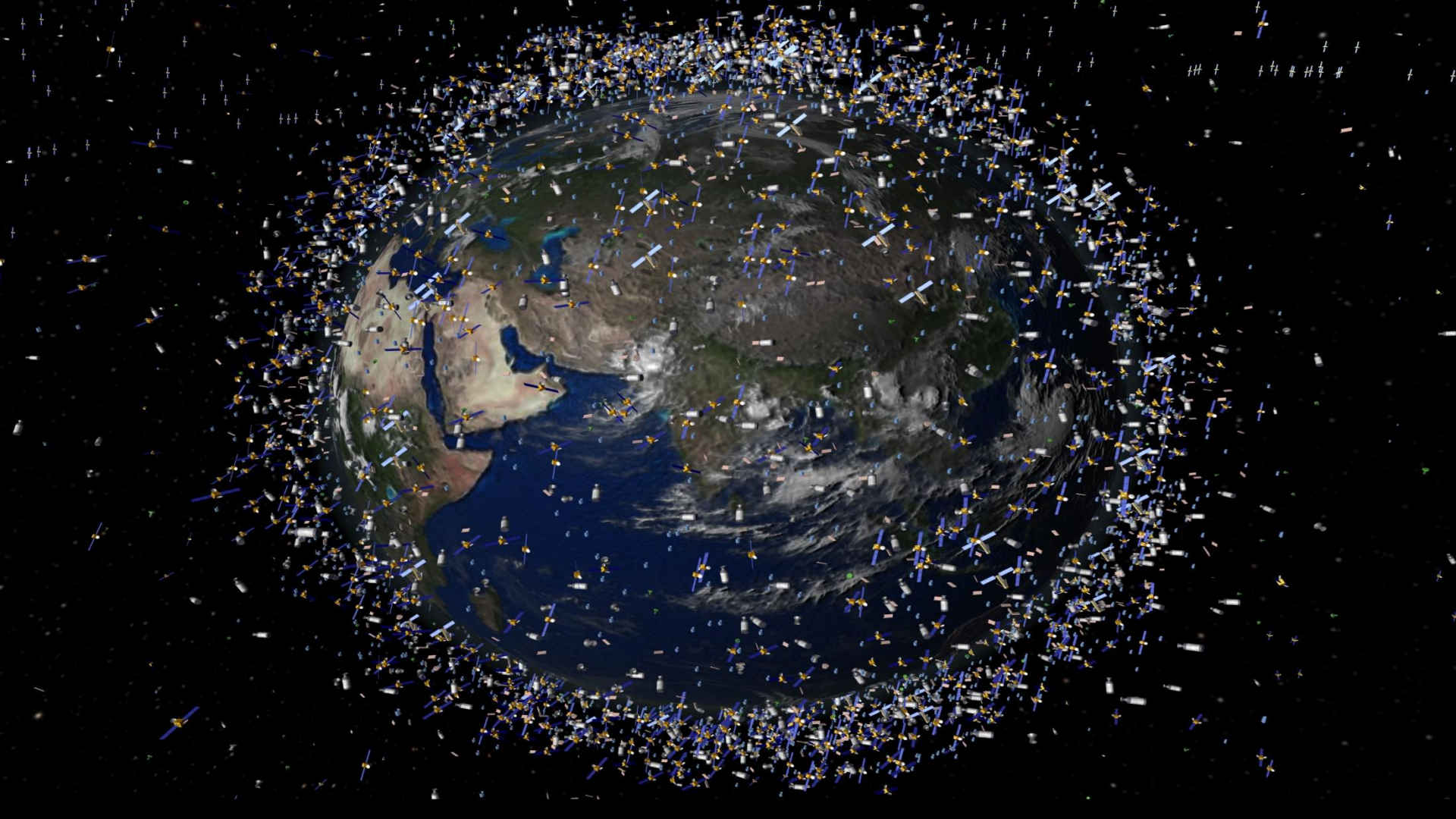
**D-SAT WILL BE THE FIRST  
SATELLITE TO BE REMOVED  
QUICK, SAFE AND  
WAY BY AN INDEPENDENT  
DECOMMISSIONING**



Picture taken  
from 500km  
orbit by our  
D-SAT satellite





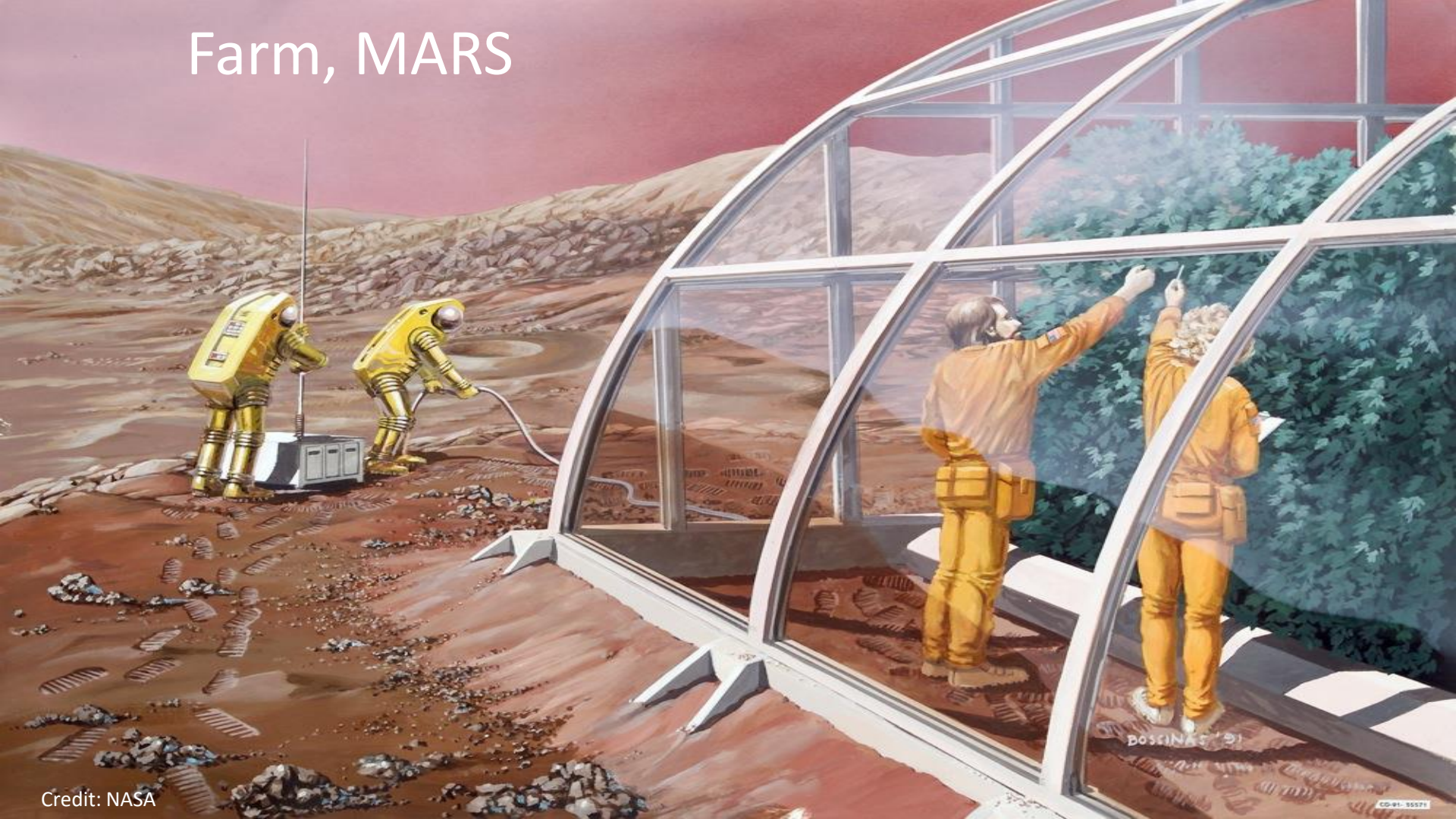




LUNAR HOTEL, MOON




# Farm, MARS



**EARTH** →

**MARS**





*“Saving our planet, lifting people out of poverty, advancing economic growth... these are one and the same fight. We must connect the dots between climate change, water scarcity, energy shortages, global health, food security and women's empowerment. Solutions to one problem must be solutions for all.”*

**Ban Ki-moon**  
Secretary-General United Nations

**BE MORE  
AWESOME**








**D - O R B I T**  
*N E W   S P A C E   S O L U T I O N S*

Certified



Corporation

**D-ORBIT: FIRST AEROSPACE B-CORP**

**PEOPLE**  **USING**

**BUSINESS**

..... **AS A** .....

**FORCE**  **GOOD**