



**Luca Rossetini, CEO**



# D-ORBIT

is a proprietary and independent

smart engine for satellites

to safely re-orbit them

when they stop working,

Increasing lifetime of satellites

and revenues for space operators

A composite image showing a vast number of satellites and pieces of space debris in orbit around Earth. The Earth's surface is visible at the bottom, showing green land and blue oceans. The sun is shining brightly from the left, creating a large, bright yellow and orange glow that illuminates the scene. The space is filled with hundreds of small, white and metallic objects of various shapes and sizes, representing the growing amount of human-made debris in space. The text "SPACE IS GETTING TOO CROWDED" is overlaid in the center in a bold, blue, sans-serif font with a white outline.

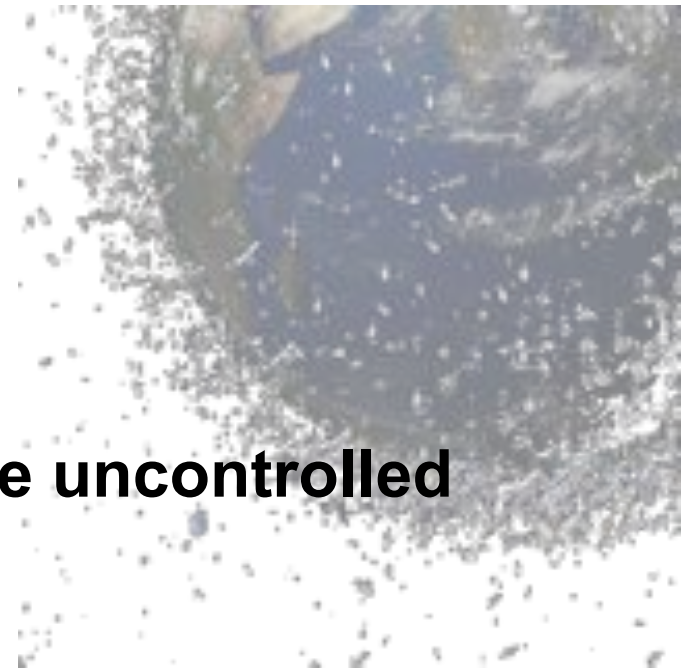
**SPACE IS GETTING TOO CROWDED**

**6000+** Satellites launched

**900** Operating satellites: others are uncontrolled

**2 x** Collision risk in the last 3 years

**30%** GEO satellites only are removed according to IADC

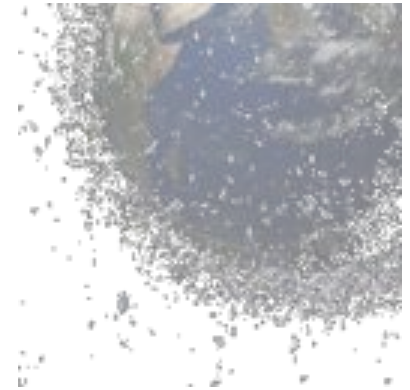


**COMMERCIAL USE OF SPACE AT RISK**



# **SATELLITE OPERATORS**

## **PAINS**



1 AVOID COLLISIONS

2 ELIMINATE THE DEAD SATELLITE

3 COST FOR DECOMMISSIONING OPERATIONS



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**LESS PROPELLANT = LESS REVENUES**

# SATELLITE MARKET KEEPS GROWING



**In the next 8 years:\***

**+50% growth**

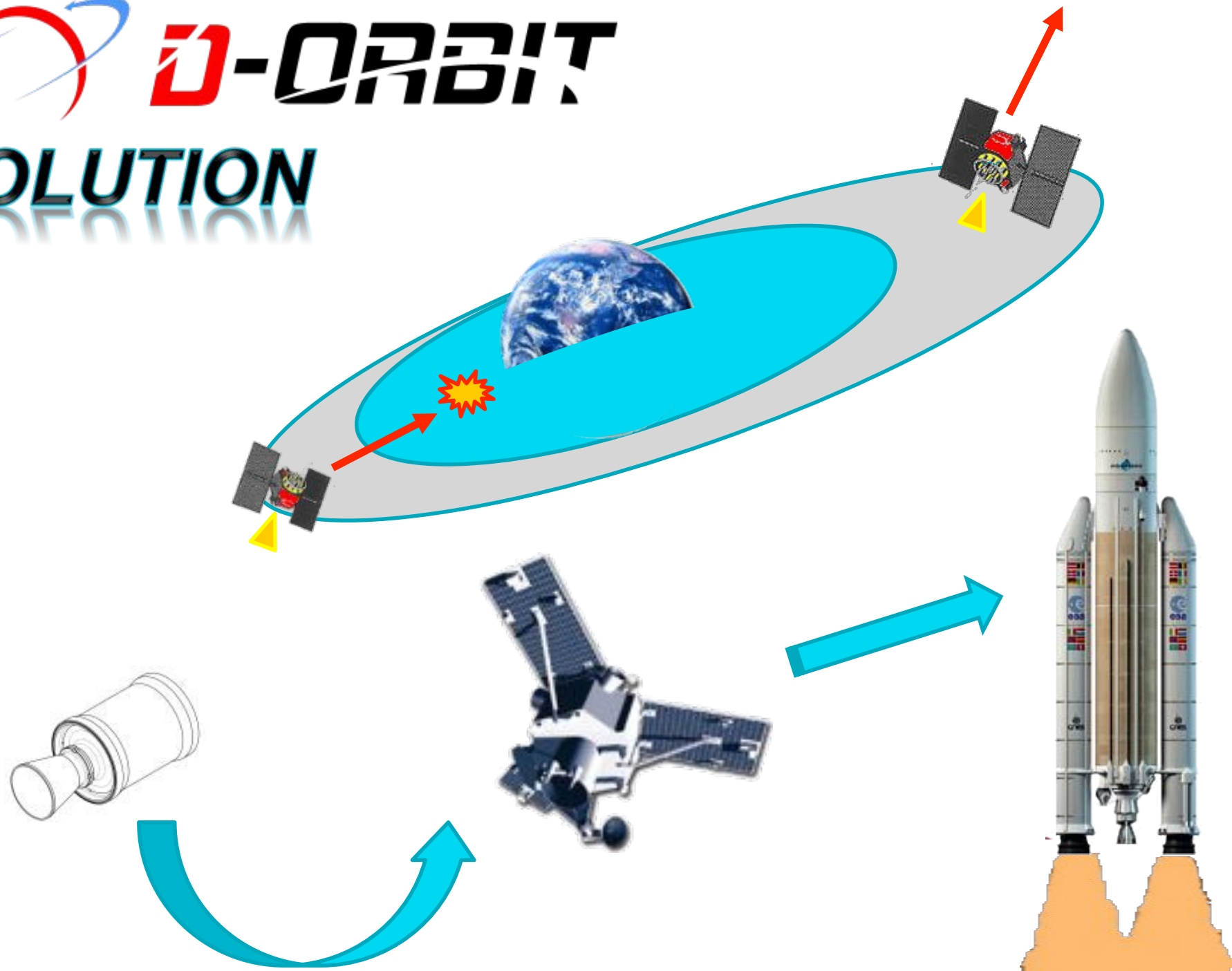
**1145 new satellites**

**200B\$ revenues market**

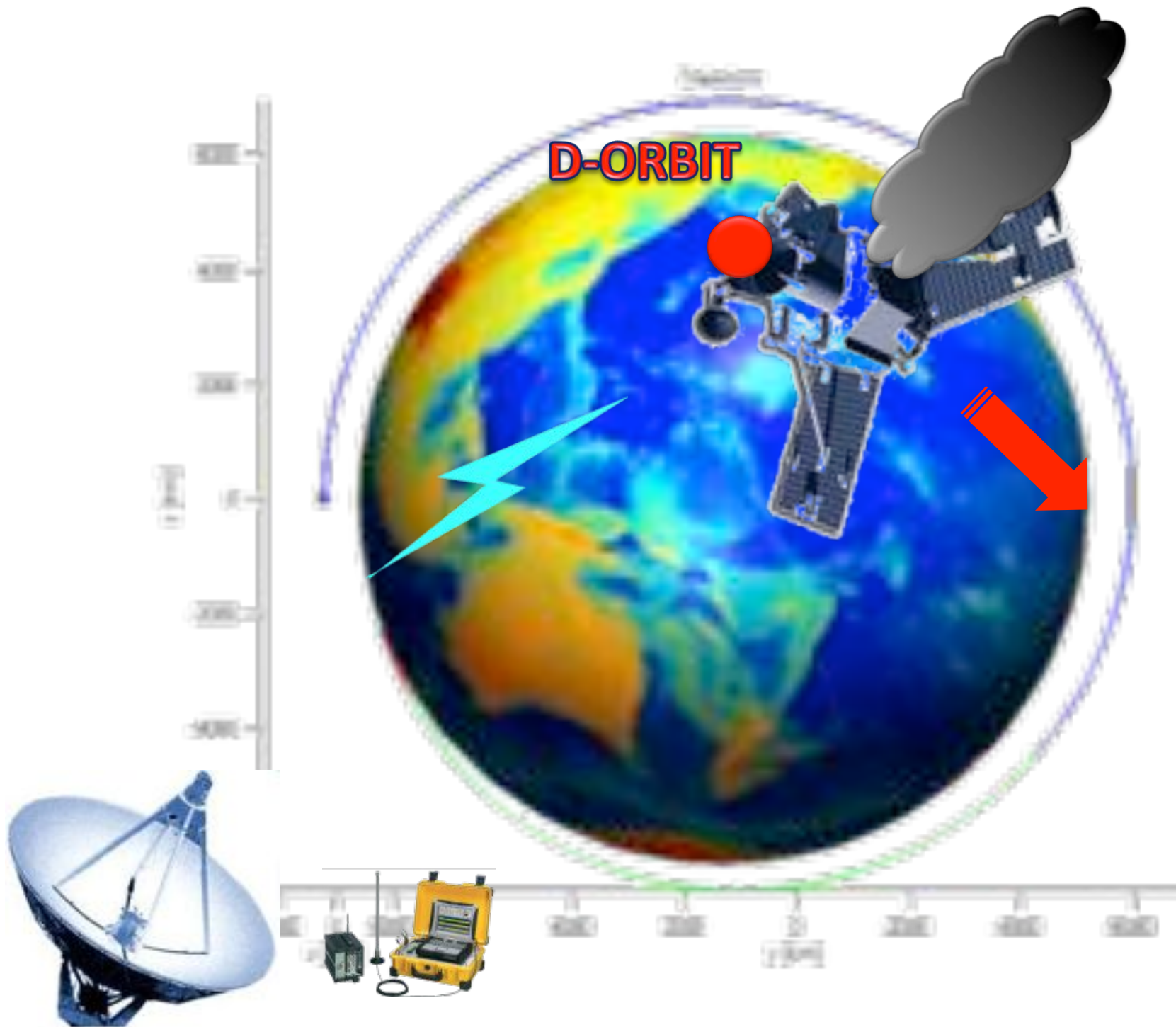


**THIS IS A JOB FOR...**

# **D-ORBIT** **SOLUTION**







# **WHY BUY U-ORBIT NOW!**



- **Increased mission time**

- **Zero impact costs**

- **Controlled reentry**

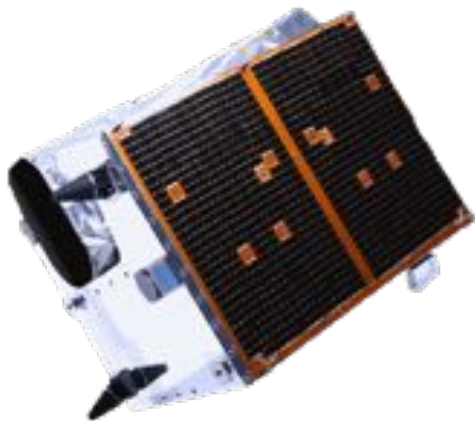
- **Backup thruster**

**100M USD  
value per  
satellite\***

\*analysis by Futron Corp.

COMPANY CONFIDENTIAL

# NET EXTRA REVENUES WITH



REAL LEO SATELLITE

**> 17.2M€**



REAL GEO SATELLITE

**> 25M€**



**ASK ABOUT  
OUR INSURANCE  
BUSINESS MODEL**



# ***THE***



# ***D-ORBIT***

# ***ENTERPRISE***





2011: **ITALY** – Milan + Florence

2012: **CALIFORNIA** – USA

**1M€ VC MONEY RAISED**

- **FOUNDERS: 40+ YEARS IN *AEROSPACE* and *DEFENCE***
- **STRONG ADVISORY BOARD**
- **13 PEOPLE TODAY**



BEAUTIFUL, AMAZING, INCREDIBLE, WONDERFUL, MAGICAL,  
FAR BETTER, GREAT, AWESOME, REVOLUTIONARY,  
EXTRAORDINARY, SIMPLE, PHENOMENAL, UNBELIEVABLE, WAY  
BETTER, GOREGEOUS, EXCITING, COOL, VERY NICE, SUPER,  
PRECISE, DREAM, TREMENDOUS, SUCCESSFUL, REMARKABLE,  
FANTASTIC, AMBITIOUS, MOST ADVANCED, UNBEATABLE, BEST,  
SMART... WOW!







- SPACE QUALIFICATION ACCORDING NASA / ESA STANDARDS
- ESA VALIDATED OUR TECHNOLOGY AS BEST FOR DEORBETING

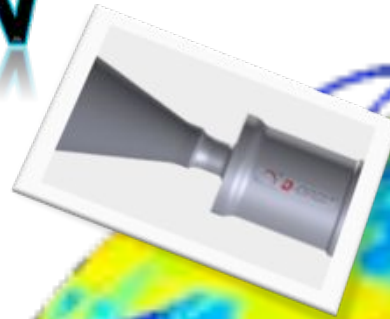
**2014: D-Orbit qualification and test in Space**



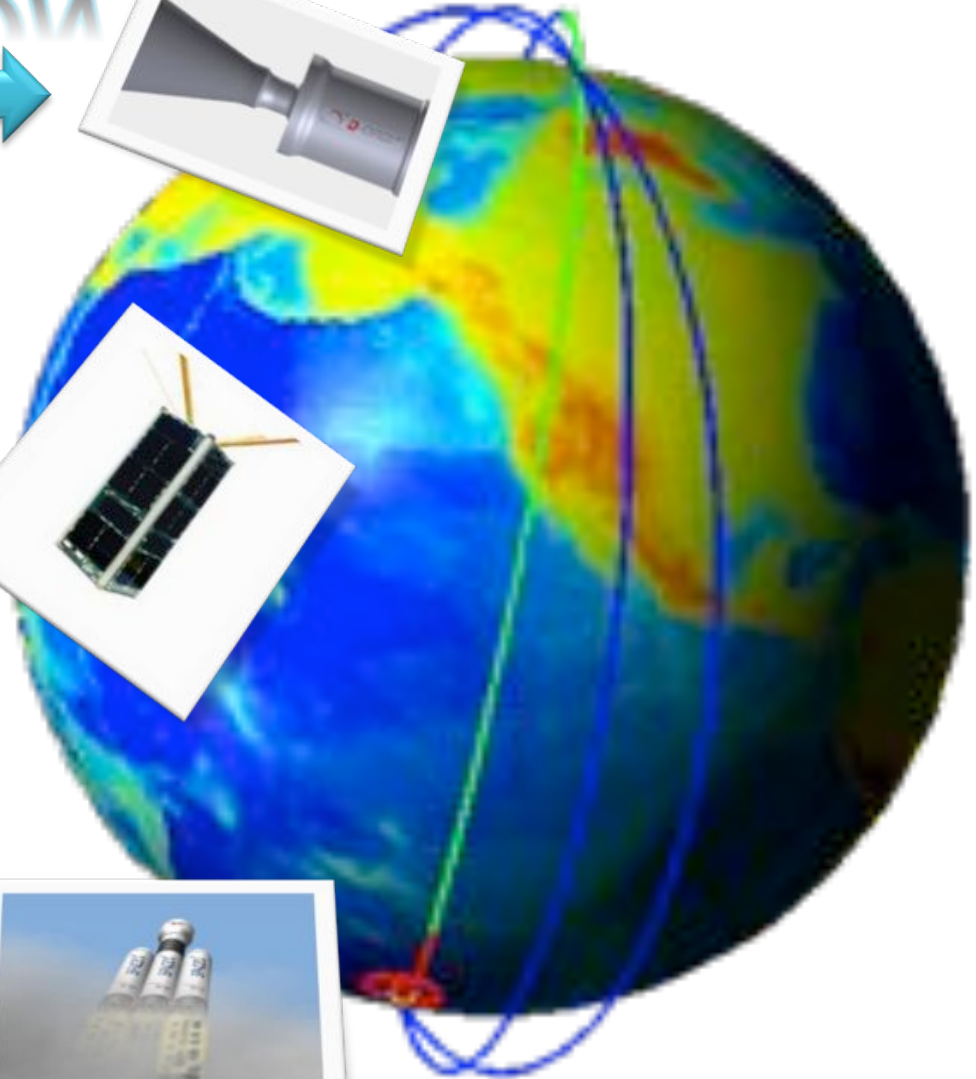
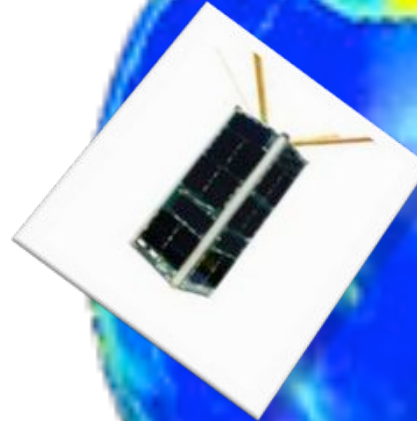
# D-SAT: IN-ORBIT DEMONSTRATION



**D-ORBIT**



**Massachusetts  
Institute of  
Technology**



# GOT CHANGE?



Raised already **1 M€** + option to **2.5M€ VC money**

***NOW seeking:***

**SMART 4M€ MONEY**

**to be on the market as soon as possible**





**COME  
AND TALK  
TO ME**

[www.deorbitaldevices.com](http://www.deorbitaldevices.com)



**Luca Rossetini, CEO**  
Rocket Scientist  
Airborne Army Officer  
Almost-Astronaut





# MAKING SPACE



[www.deorbitaldevices.com](http://www.deorbitaldevices.com)

Headquarters: Milano, Via Mazzini 2, 20123 ITALY – Tel: (39) 02 7214 7749  
Operating Office: Sesto Fiorentino (FI), c/o IUF Via Madonna del Piano 6, 50019 – ITALY  
Tel: (39) 055 525 4665 / (39) 055 525 4666  
**D-ORBIT INC.** – 2750 Lemon Drive, Simi Valley, CA 93062, USA  
Tel.: (1) 415 684 3673 - Email: [info@deorbitaldevices.com](mailto:info@deorbitaldevices.com)

**“I’m the program manager  
of a satellites constellation  
and your product  
may solve  
a serious problem of mine.”**

**Enrico Corpaccioli, Metop Program System Manager, ESA**

**«I like your product, we could sell it  
[through our catalog]: we will be the  
only one to offer this technology to our  
clients»\***

*Francesco S. Giordani  
Director Business Development Italy  
Thales Alenia Space*

**“Your idea is brilliant!  
I want to help you guys  
to make it real.”**

**Marco Pascucci, former Senior VP Alenia Space (among others)**



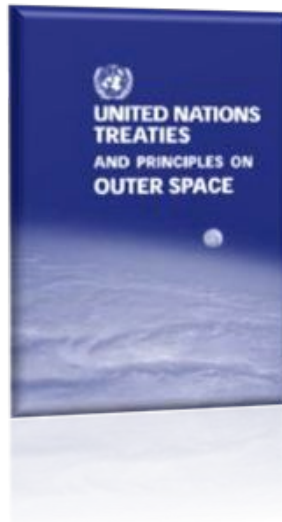
**“I read about D-Orbit:  
great idea!  
I would like to contribute  
to its success.”**

**Pietro Guerrieri, General Manager, SES Astra Italia**

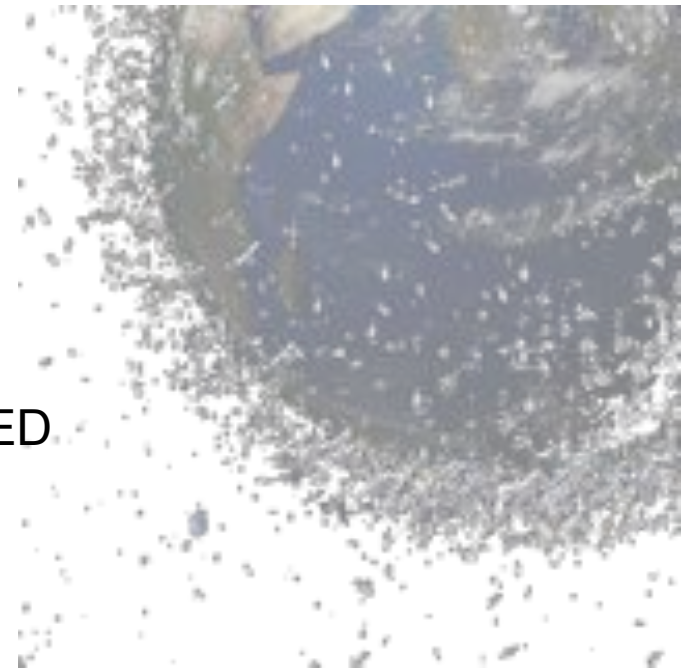
**“Unfortunately, one single large loss could wipe the market out! It is the largest threat to the continuation of the insurance coverage”**

**Philippe Montpert, Managing Director, Willis Inspace**

# REGULATIONS ARE CHANGING



EVERY SATELLITE MUST BE REMOVED



ANY SATELLITE OPERATORS MUST PUT END-OF-LIFE  
SATELLITES IN A SAFE TRAJECTORY TOWARDS EARTH