

D-Orbit Vision for the Space Environment in 2050 ESA CLEAN SPACE INDUSTRY DAYS 2022

OVERVIEW



D-Orbit

Leader in Space Logistics and Orbital Transportation

250 people and growing



D-Orbit SpA Production and HQ, Como, Italy

D-Orbit Inc. Commercial subsidiary, Washington DC, USA



D-Orbit UK, Ltd Al Data Processing & Robotics, Space Safety, Responsive Launch Harwell, UK



TODAY

2021-

Last-mile delivery solution for satellites and advanced infrastructure services



Next-gen in-orbit services across entire satellite lifecycle

6 BEYOND

In-orbit recycling, manufacturing & infrastructure

World's first to provide in-space satellite transportation for paying customers

World's first Space company certified as a B-Corp



1.Eliminate

Remove waste by design
 2.Circulate

• Re-use materials

3.Regenerate

Repair the damage to the environment



1.Eliminate

Remove waste by design

Do we really need this in the first place? Can we design it in a way that waste can be eliminated?



1.Eliminate

Remove waste by design

Eco-Design, Supply Chain management Design for zero debris



2.Circulate

Re-use materials

How can we get the most out of this?



2.Circulate

Re-use materials

Re-Use
Repair
Refurbishment
Recycle



3.Regenerate

Repair the damage to the environment

How can we restore the environment to its original state?



3.Regenerate

Repair the damage to the environment

Active Debris Removal



D-Orbit's Vision for Space in 2050







CURRENT ESA PROJECTS

TO DEVELOP AND DEPLOY OUR SOLUTIONS



IOS Maturation Phase

De Orbiting Kit Program



ION IS MULTI-PURPOSE SPACECRAFT

ION IS A MODULAR PLATFORM ENABLING A VARIETY OF HIGH-MARGIN SECONDARY MISSIONS





D-ORBIT AT A GLANCE







D-ORBIT AT A GLANCE







Our Vision

Creating the first space logistics infrastructure to enable the trillion dollar space economy and human expansion in sustainable space

"If I have seen further than others, it is by standing on the shoulders of giants"

- Sir Issac Newton - Scientist



"Never be limited by other people's limited imaginations"

- Dr Mae Jemison - Astronaut



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NEW SPACE SOLUTIONS

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IN-ORBIT SERVICING

STEP BY STEP



D-Orbit's roadmap is built on a scalable and modular solution

