



#ResponsibleSpace

OneWeb's commitment to sustainability in space.

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Space is a global, shared,
natural resource.
It is up to all of us to **protect it.**

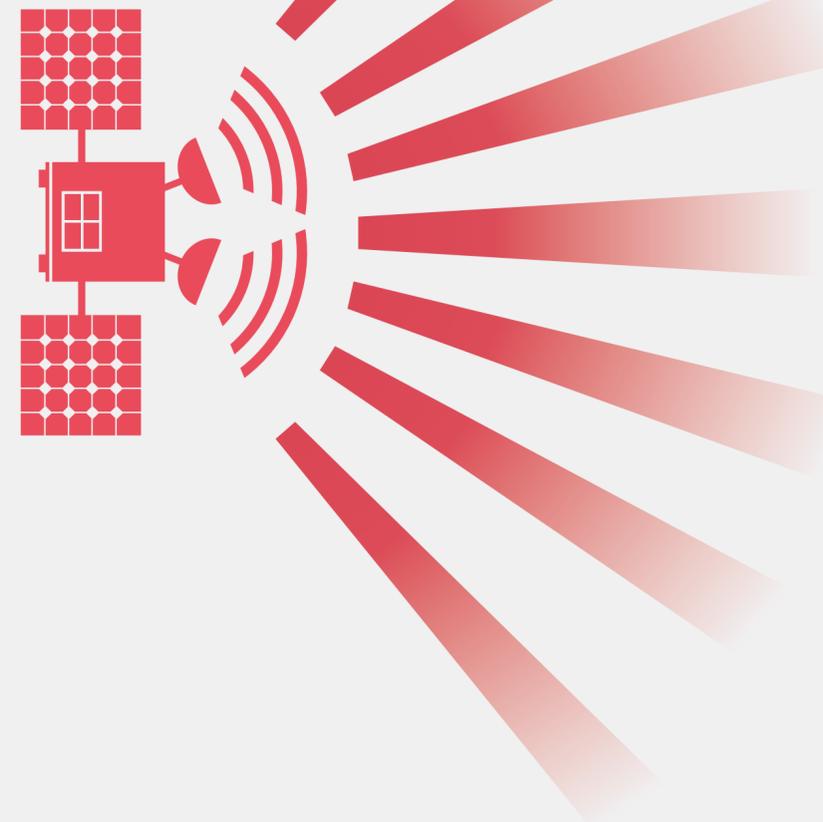
www.responsible.space

Responsible SPACE

Responsible space (RS) is the term OneWeb uses to describe practices that drive sustainability within the space industry, avoiding harming our lower Earth orbit (LEO) environment while developing this new frontier in mobility, communications and connectivity, so that it works for, and benefits, generations to come.

OneWeb's commitments

At OneWeb, we believe good stewardship is good business. Responsible space gives us a framework for guidelines and principles that prioritize sustainability in space through environmentally-friendly practices and organisational behaviours across all areas of our business.



Governance

Technology

Environment

Community

Economic Development

Education

Workplace

OneWeb's commitments

1. Employing Responsible Design and Operational Practices:

OneWeb believes sustainable business practices are essential to support the long-term use of space for all. The orbital environment must support healthy competition and cannot be allowed to become polluted, dangerous, or disruptive to scientific, educational, government, and commercial endeavors. We are doing our part by embracing a “Leave No Trace” philosophy in the design and operation of our satellite constellation.

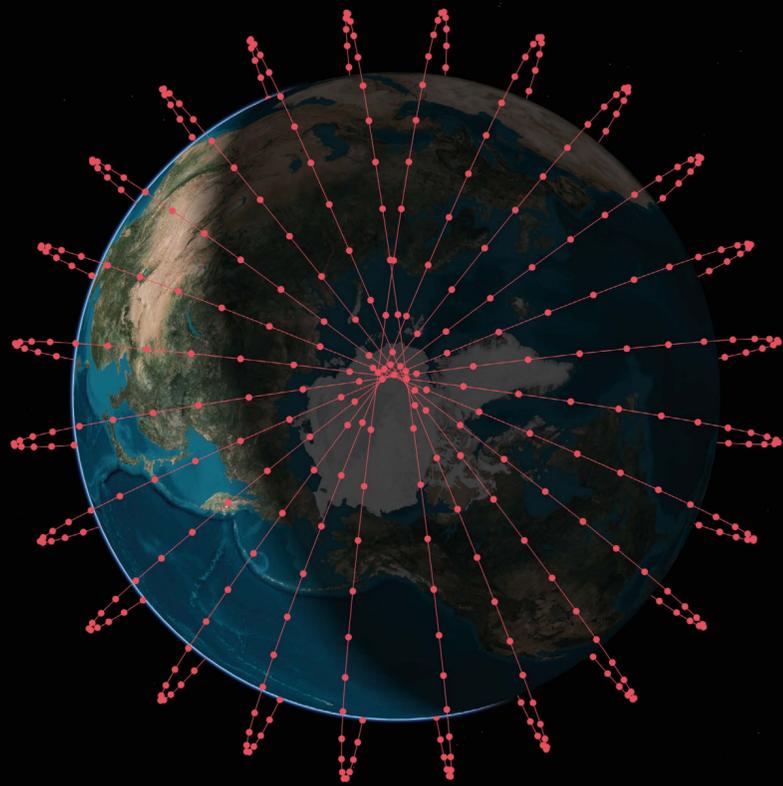
2. Developing the Space Ecosystem:

OneWeb recognises the emerging space industry's potential to support an innovative and vibrant ecosystem for the benefit of all its participants. OneWeb believes industry and governments have a shared opportunity to facilitate the development of new technologies, jobs, and industries, as well as increasing investment, diversity, and inclusion in local communities.

3. Supporting Policy Outcomes through Collaboration:

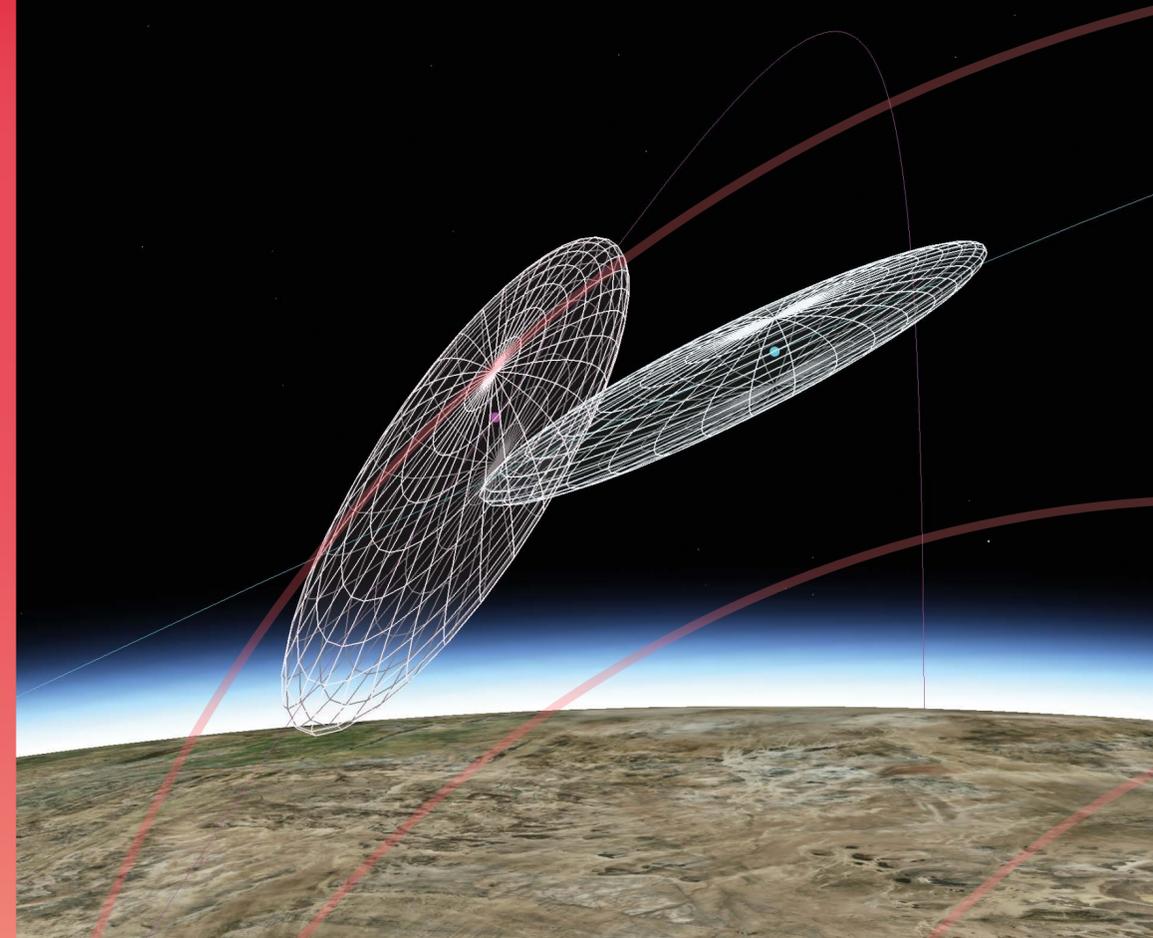
From global connectivity to new industry and humanitarian relief, OneWeb believes the space industry has a responsibility to work with governments to advance causes where it can have a transformational impact and solve some of the world's most challenging problems. To have the greatest impact, these efforts will leverage the combined strength of an industry of innovators.





■ Separating operational planes by small amounts of altitude virtually eliminates the possibility of intra-constellation collisions, even between failed satellites.

■ Automated GPS-based orbit determination processes maintain high-accuracy trajectory solutions and high-efficiency electric thrusters which, coupled with OneWeb's global connectivity, provide a high degree of maneuvering agility from launch to re-entry.



The journey begins...

1. Employing Responsible Design and Operational Practices

Responsible Deployment

- We have a rigorous satellite qualification and testing program to assure quality and reliability prior to launch.
- Our launch and operational orbits were selected to avoid the most populated regions of LEO.
- Our fault-tolerant constellation configuration virtually eliminates the possibility of intra-constellation collisions, even under high failure-rate scenarios.

Responsible Operations

- We maintain precise satellite position knowledge from launch to reentry.
- Our satellite propulsion systems and global TT&C provide agile manoeuvring capabilities.
- We coordinate with the 18th SPCS and other operators to manage conjunctions with other objects.

Responsible Disposal (Leave No Trace)

- Our highest satellite reliability requirement is levied on its ability to deorbit.
- We will deorbit our satellites within five years of decommissioning.
- Our satellites can be completely passivated.
- Our satellites are “designed for demise” such that little-to-no debris survives atmospheric reentry to reach the ground.
- We have outfitted every satellite with a grappling fixture to facilitate rendezvous and capture, if such a need were to materialize.



2. Developing the Space Ecosystem

The space industry has a shared responsibility to develop technologies and adopt practices that support environmental stewardship, sustainable job creation, investment in local communities, diversity, and inclusion.

- OneWeb is collaborating with a range of partners, preparing solutions for actively retrieving and removing debris from space.
- We are working with industry to develop and standardize an advanced, in-orbit capture interface.
- We are working with the 18th SPCS and commercial companies to advance the state-of-the-art in space Situational Awareness (SSA).

- We employ ethical practices in supply chain procurement.
- We support the advancement of communications network security.
- We are generating highly-skilled technical jobs in the communities where we operate.
- We are champions of STEM education for school children.



3. Supporting Policy Outcomes through Collaboration

The space industry has a shared responsibility to work with governments to advance causes that can have transformational impacts and solve some of the world's most challenging problems. To have the greatest impact, these efforts will leverage the combined strength of an industry of innovators.

OneWeb hopes the industry will join in its commitments to:

- Establish connectivity in rural and remote areas where it is most lacking.
- Provide rapid response connectivity to areas which require emergency relief.
- Develop industry best practices that promote space environmental stewardship and sustainable space activities.
- Advocate for the adoption of sensible, internationally-coordinated space environmental policies into national licensing frameworks.
- Participate in the development of the World Economic Forum's space Sustainability Rating system.



#ResponsibleSpace Join the conversation

OneWeb is certain that Responsible Space behaviours and practices offer companies the distinct advantage of better risk management, greater investor confidence, deeper trust from within communities, and a sustainable long-term future. If you share these commitments to Responsible Space, join the conversation, share your suggestions, and add your name to a growing list of RS contributors.

You can find all this information and more at www.responsible.space

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