

# IMAGINE: DIGITAL TRANSFORMATION USING SPACE DATA SERVICES

Self-Service Access for Enhanced Connectivity and Beyond

## HARNESSING LEO NETWORK DATA FOR INSIGHTS, TRENDS, AND PREDICTIONS

OneWeb is responding to new and extraordinary demands as it switches on the world's first highly performant, resilient global communications network in low Earth orbit (LEO).

Our self-service platform architecture delivers access to a data integration tool and information that can radically deepen intelligence, drive AI, improve decision-making, and lift performance.

## SELF-SERVICE DATA HUB

Reliable aggregated data sourced from across our satellite network can be correlated with other third-party data sources through OneWeb's self-service data hub. As data becomes more easily available, customers can run machine learning to derive further insights, trends and predictions, and be more proactive in managing operations.

**The world's first data stream made commercially available from a low Earth orbit satellite constellation and ground network.**

- **720 satellite-years of data**
- **1.4 years of data every 24 hours**
- **Live data from 500+ operational satellites**



### SELF-SERVICE SINGLE PLATFORM

Our data mesh ensures partners can extract and load instant, reliable data for better-informed decisions on resource allocation and business operations, saving time and money.



### DATA SERVICES MENU

Live and historical data can be anonymized instantly and acquired through a range of OneWeb digital products.



### HIGH VOLUME

Every day, we extract 55 billion rows of data from our LEO network and store it in more than 30 integrated tenants or governance domains, each with its own dedicated team and data sources pipelines.



### APIs & PRIVATE MARKETPLACE

Aggregate and correlate structured and semi-structured LEO network data in near real-time using OneWeb APIs or private marketplace access for preemptive maintenance, predictive trending, and fault-finding.



### ON DEMAND

Data can be served on a timely basis and gathered from multiple, geographically disparate sources. Customized data can be run through an orchestration and data quality system to be cataloged, converted, and shared in near-real time.

## ONEWEB SSDH HIGH VOLUMES OF DATA

55 billion rows ingested every day

8.8 trillion rows in a single table

## DATA SOLUTIONS FOR CONNECTIVITY AND BEYOND

OneWeb space data services, which include Self-Service Data Hub (SSDH) and Self-Service Space Data Hub (SSSDH), deliver maximum data visibility across the entire OneWeb LEO satellite network. We share near real-time data generated with different teams and with every partner in our ecosystem to support better-informed commercial and operational decisions with relevant, up-to-date information. Rapid collaboration with up-close observability of our LEO satellite network enables partners to address performance issues, predict potential outages, and save time and money.

### ABOUT SNOWFLAKE

Snowflake enables every organization to mobilize their data with Snowflake's Data Cloud. Customers use the Data Cloud to unite siloed data, discover and securely share data, and execute diverse analytic workloads. Wherever data or users live, Snowflake delivers a single data experience that spans multiple clouds and geographies. Thousands of customers across many industries, including 543 of the 2022 Forbes Global 2000 (G2K) as of October 31, 2022, use Snowflake Data Cloud to power their businesses. Learn more at [snowflake.com](https://snowflake.com).

### ABOUT ONEWEB

OneWeb space data services stem from a central, organized repository of data from across the whole LEO satellite network—satellites, ground stations, and user terminals. Our secure, managed data lakes provide us with constant access to network performance updates, insights, and raw data that can radically deepen intelligence and improve decision-making in critical areas, as well as key markets such as financial analysis, insurance, national security, space management, environmental analysis and Earth observation. OneWeb shares data from multiple sources so partners can receive or self-serve analytics and information that will help them better manage, flex, and scale their services.