

# Starlink

By Team E

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Sumant Kumar Gupta  
Rejina Thapa  
Daniel Malinsky  
Chaitanya Devarshi  
Tushar Ahuja

# Introduction

Starlink aims to revolutionize global internet access through its satellite constellation. Utilizing a network of small satellites in low Earth orbit, Starlink provides high-speed, low-latency internet connectivity, especially to remote and underserved areas.

# Customer

Businesses

Individuals

Travelers

Military intelligence

Government bodies



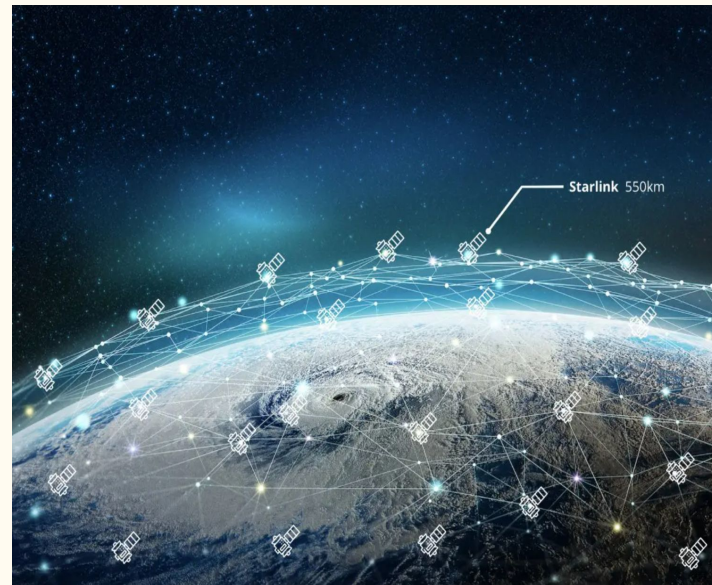
# Business Need

Aim for Global Delivery of Internet

- Global Connectivity
  - Digital Divide
  - Communication Enhancement
  - Innovative Satellite Technology
  - Scalability
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# How?

1. **Satellite Constellation:** Starlink operates a large fleet of small satellites in orbit, forming a constellation that covers a significant portion of the Earth's surface.
2. **Low Earth Orbit (LEO):** Placing satellites in LEO allows for lower latency and faster data transmission compared to traditional geostationary satellites.
3. **User Terminals:** Customers receive internet services through user terminals, which are ground-based dishes that communicate with the satellites in orbit. These terminals are designed to be user-friendly and adaptable to various locations.
4. **Rapid Deployment:** Starlink can rapidly deploy satellites and expand its coverage, making it suitable for reaching remote and underserved areas.



# Value Proposition

1. **Global Reach:** Starlink aims to bridge the digital divide by offering internet services in areas with limited or no traditional connectivity options, including remote and underserved regions.
2. **High-Speed Internet:** Leveraging its satellite constellation, Starlink provides users with high-speed internet, comparable to or surpassing terrestrial broadband services in many areas.
3. **Low Latency:** By deploying satellites in low Earth orbit, Starlink minimizes signal travel time, resulting in lower latency, making it suitable for real-time applications like online gaming, video conferencing, and more.
4. **Rapid Deployment:** Starlink's satellite-based infrastructure allows for swift deployment and scalability, making it a viable solution for disaster-stricken areas or locations lacking established communication infrastructure.
5. **Adaptive Technology:** User terminals and other components are designed to be user-friendly and adaptable, allowing customers to set up and utilize the service with ease.

# MVP (Minimum Viable Product)

1. **A scaled-down satellite constellation** demonstrating global coverage and basic internet services.
2. **Limited infrastructure and user terminals** to validate the feasibility and gather user feedback.

Focusing on providing internet services to specific regions with limited connectivity, the initial MVP might have featured a smaller number of satellites, basic user terminals, and simplified infrastructure to demonstrate the feasibility of the concept and gather essential user feedback.

The primary goal would be to showcase the core capabilities of the satellite-based internet service, such as global coverage, high-speed data transmission, and low-latency communication. This approach allows the company to iterate and enhance the technology based on real-world usage and market demands.

# The KPIs

## **Satellite Deployment Metrics:**

Number of successfully deployed satellites.

Constellation coverage achieved.

## **User Adoption and Customer Satisfaction:**

Number of subscribers and growth rate.

Customer satisfaction scores and feedback.

## **Network Performance:**

Latency, throughput, and reliability of the satellite network.

Speed and efficiency of data transmission.

## **Global Coverage Metrics:**

Extent of global coverage achieved.

Progress in serving underserved and remote areas.

## **Financial Performance:**

Revenue generated from subscription plans.

Return on investment and profitability.

## **Infrastructure Scaling:**

Expansion of ground stations and user terminals.

Scalability of the satellite constellation.

## **Regulatory and Compliance Success:**

Adherence to regulatory requirements.

## **Environmental Impact:**

Minimization of space debris to sustainable space practices.

## **Technology Advancements:**

Development and integration of new technologies for improved performance.



# Conclusion

Starlink's strategic focus on overcoming connectivity challenges aligns with its mission to bring robust internet access to every corner of the globe, contributing to a more connected and digitally inclusive world.

# Questions?

1. Are there any regulatory hurdles that could potentially hamper expansion of starlink satellites due to their low orbit?
2. How does Starlink provide internet access to remote and underserved areas?
3. How does the MVP approach address the challenges of limited connectivity in specific regions?
4. How does Starlink's satellite internet service empower businesses in terms of innovation and market competitiveness?
5. What metrics does Starlink monitor to ensure its satellite internet service's reliability and global coverage, and how does the company utilize this data to enhance the customer experience?

Thank you...