



Overview

AVI Soluções, a well-known Internet service provider (ISP) in Brazil, dedicated to connecting people and businesses through innovative telecommunications solutions, with a strong emphasis on fiber optics. Catering to a diverse clientele, including residential, commercial, industrial, government, and agribusiness sectors in Brazil, AVI aims to enhance productivity and provide reliable connectivity experiences.

AVI Soluções is now facing the challenge on enhance connectivity of truck and tractors with the main office. By the recommendation of Altai's local partner – AVS Brasil, AVI Soluções conducted a Proof of Concept (POC) test by deploying Altai's A2x to provide extensive coverage for enhancing the efficiency of agricultural operations. In addition, by equipping Starlink as backhaul, reliable internet access will be enabled even at remoted area.

Business Challenges

- Over 500m extensive coverage is required to cover whole farmland
- Seamless data transfer ensure trucks are always online
- Uploading data log to main office system

Customer Name:

AVI Soluções & AVS Brasil

Deployment Location:

Farmland, Brazil

Application:

Wi-Fi Network for IoT at farmland in Brazil

Products used:

A2x

Client Review:

https://www.instagram.com/reel/C_L2zRrAAT6/

Result:

AVI Soluções, a leading ISP in Brazil, aims to enhance connectivity for agricultural machinery between remote areas and the main office. Faced with communication challenges, they partnered with AVS Brasil to conduct a Proof of Concept using Altai's A2x WiFi Access Point, which provides extensive coverage through patented technology for optimized performance.

Leveraging Starlink's low Earth orbit technology, they ensured reliable internet access across geographical barriers. The solution resulted in efficient communication, increased productivity through real-time monitoring, sustainable practices, advanced security with AI, and the ability to manage operations remotely, transforming agricultural connectivity.

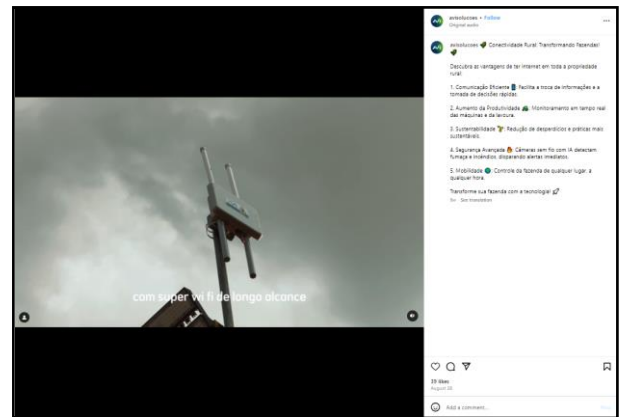
Solution

Upon the recommendation of Altai's local partner – AVS Brasil, AVI Soluções conducted a Proof of Concept (POC) test utilizing Altai's A2x WiFi Access Point. This innovative solution provides extensive Wi-Fi coverage, leveraging patented Altai technologies to extend range, optimize capacity, mitigate interference, and deliver ultra-fast speeds. Additionally, by integrating Starlink's low Earth orbit technology, reliable internet access was enabled, overcoming geographical limitations and ensuring connectivity even in remote areas.



Benefits

1. **Efficient Communication:** Facilitates the exchange of information and quick decision-making among teams.
2. **Increased Productivity:** Enables real-time monitoring of machines and crops, optimizing operational workflows.
3. **Sustainability:** Promotes reduced waste and more sustainable agricultural practices through enhanced data access.
4. **Advanced Security:** Wireless cameras equipped with AI can detect smoke and fires, triggering immediate alerts for prompt response.
5. **Mobility:** Allows control of farm operations from anywhere, at any time, enhancing flexibility for managers.



About Altai

Altai Technologies is a global leader in providing industrial-grade Wi-Fi solutions with a strong presence in over 100 countries. With our brand, Altai Super WiFi™, we specialize in designing, developing, and marketing cutting-edge Wi-Fi products and technologies specifically tailored for industrial applications.

Altai Super WiFi™ offers fully seamless, secured, and resilient wireless solutions that empower businesses to enhance productivity and operational efficiency throughout the industrial digitalization and automation journey. For over a decade, we have earned the trust of hundreds of industrial customers worldwide. Our cutting-edge wireless technologies are deployed in container ports, airports, warehouses, smart manufacturing facilities, mining, oil and gas sites, power plants, and more.

Discover the comprehensive range of Altai Super WiFi™ solutions which are meticulously designed to meet the rigorous demands of industries with mission-critical needs, please visit our official website at www.altaittechnologies.com.

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