

wyldNetworks

Planet Earth, we got you covered
PING Update #4 May 2025



FUTURE MARKETS: Agriculture, a key component of global security

Welcome to **PING**, the new monthly update from the team at **wyldNetworks**

CONTINUING TO ADD VALUE WITH NEW PATENTS AND PARTNERS

Welcome to the May edition of PING. We hope that you get some useful insights and information on our progress as we continue to find new opportunities and markets in 2025.

Wyld Networks receives Patent Approval in the United States

Following the recent FCC license approval for commercial deployment, Wyld Networks is pleased to announce that we have now received patent approval in the United States. This is a major milestone as we accelerate our go-to-market strategy in the U.S., which is expected to account for approximately 30% of the USD 15.5 billion satellite IoT market. This approval strengthens our ability to protect and scale our unique technology offering in one of the world's most critical and innovation-driven economies.

With demand for reliable, global connectivity continuing to rise — especially in agriculture, energy, and logistics — having both regulatory and intellectual property protections in place gives Wyld the credibility and confidence to engage with major partners and customers across the U.S. and beyond.

New partnership with US based agricultural giants Corteva

With U.S. patent and FCC approvals now secured, Wyld Networks is moving quickly to capitalize on the opportunity. We've entered into a partnership with Corteva Inc., a U.S.-based agricultural leader with USD 17 billion in revenue and 22,000 employees globally. Corteva operates in over 70 countries and is a major force in crop protection and seed innovation. We have now secured a purchase order with them to deliver a pilot deployment of our satellite IoT solution.

This is a significant step, and given Corteva's scale and global footprint, we expect this relationship to become one of our most important. It's a strong endorsement of our technology and strategy — and a clear example of how Wyld is enabling smarter, more connected agriculture on a global scale.



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“Securing our Patent adds significant value to the Company”

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New pilot deployment in Brazil

Wyld Networks has successfully deployed a pilot satellite IoT solution with Ipiranga Agroindustrial S.A., one of Brazil's leading sugar and ethanol producers. This engagement is expected to convert into a significant purchase order. Ipiranga employs over 4,000 people and plays a key role in Brazil's position as the world's largest sugar producer – responsible for around 25% of global output. Beyond sugar, Ipiranga also produces ethanol for vehicle fuel, creating demand for advanced environmental monitoring. Their initial requirements include 150 terminals for weather stations and 300 terminals to collect emissions data across ethanol production sites. This pilot underscores the increasing demand for Wyld's technology in Latin America's agri-energy sector and positions us to support critical sustainability and operational goals in one of the world's most vital agricultural economies.



Wyld Networks gets green light in Argentina

Wyld Networks has received approval from ENACOM, Argentina's national communications authority, to commercially launch its satellite-based IoT solutions in the country. This milestone further strengthens Wyld's focus on South America – a region representing a significant share of the global satellite IoT market. Argentina, the continent's second-largest economy, offers major opportunities in agriculture and mining, two sectors where remote connectivity can drive meaningful efficiencies and sustainability gains.

With this approval, Wyld is now positioned to replicate the success already seen in Brazil, particularly within the agricultural sector. Expanding into Argentina marks another step in the company's broader strategy to deliver reliable, global data solutions in hard-to-reach areas – helping industries operate smarter, reduce waste, and gain real-time insights where traditional infrastructure falls short.

We hope you enjoy this month's updates...

The team at Wyld

Alastair Williamson, CEO

wyldNetworks

an overview



GET CONNECTED

Getting useful data from remote locations, reliably and cheaply, is a challenge for many businesses.

Discover how using our connectivity solutions is helping our customers provide 100% effective global coverage for their company.

[PLAY VIDEO](#)

wyldNetworks on YouTube



wyldNetworks customer conversations



Soil IoT in Brazil

Renowned agricultural researcher Renan, speaks about the importance of the soil data his company, Raiz da Solução, are getting from their new Wyld sensor probes.

[PLAY VIDEO](#)

Food for thought

Why agriculture is key to the World's security



Satellites, Soil, and Sovereignty

How Wyld's Satellite IoT Technology is Reinventing Food Security in Latin America and Beyond

In 2025, national security is no longer defined solely by troops, tanks, and treaties. As geopolitical tensions mount and climate volatility becomes the new normal, a different set of priorities has emerged at the center of international policymaking: food security, energy resilience, and data sovereignty. These aren't just support systems for modern defense—they're essential foundations of it.

Among the regions rising to this challenge, Latin America is fast becoming a key frontier. The continent produces 14% of the world's food and is home to vast tracts of fertile land, water reserves, and an increasingly tech-enabled agricultural workforce. However, the potential of this landscape can only be realized through innovation—specifically, by overcoming the digital divide that isolates rural communities from the real-time data they need to thrive.

This is where Wyld Networks comes in. With a focus on low-power, low-cost satellite IoT connectivity, Wyld is transforming how nations monitor and manage their critical food systems. By linking off-grid sensors, livestock collars, irrigation monitors, and logistics containers to a global data stream, Wyld's technology is enabling smarter decisions—often in areas with no traditional connectivity whatsoever.

But to fully appreciate the stakes, we need to understand the growing convergence between food, defense, and energy—and why integrated technology like Wyld's is now considered mission-critical.

The Triad of National Security: Food, Energy, and Defense

In an increasingly unstable world, the elements that support a nation's internal stability are inseparable. Food security reduces the risk of civil unrest. Energy security supports everything from economic output to the functioning of defense infrastructure. And modern defense strategies, in turn, rely heavily on both.

1. Keeping a country's population fed.

At its core, food security is the ability of a population to access sufficient, safe, and nutritious food. Yet today, this is under threat across multiple fronts. According to the 2024 State of Food Security and Nutrition in the World report, over 735 million people face chronic hunger. And projections for 2050 suggest that feeding the global population will require increasing food production by more than 70%.

Armed conflict, climate extremes, and shifting trade policies are all disrupting supply chains and causing volatile food prices. One high-profile example: the war in Ukraine. Once a key breadbasket for Europe and Africa, the country's crop production has been devastated, with an estimated \$400 billion in agricultural losses to date.

In Latin America, these dynamics are playing out amid record-breaking droughts, soil degradation, and water scarcity. Countries like Brazil and Argentina, while rich in agricultural assets, are facing mounting pressure to deliver more with less—and to do so while reducing their environmental impact.

This is where precision farming, powered by IoT, becomes indispensable. Wyld's satellite IoT solution enables soil moisture sensors, weather stations, and crop health monitors to transmit vital data even in the most remote parts of a field. That data drives smarter irrigation, reduces fertilizer overuse, and allows for early intervention when crops show signs of stress.

Example: In northern Brazil, farmers using Wyld-connected sensors can adjust irrigation schedules in real time—cutting water use by 40% while boosting yields by over 20%.



Latin America's agtech sector is poised for growth, with IoT emerging as a critical enabler. In regions facing climate volatility and resource constraints, IoT technologies offer real-time insights, optimize inputs, and boost yields. As supply chains shift and sustainability becomes vital, IoT-driven solutions will anchor the region's agricultural transformation.

Read the article

and why you should

“For years, rural connectivity in Latin America limited agtech adoption. That's rapidly changing”



Agriculture



Defense



Energy



100%

security and sovereignty

“...these aren’t just support systems for modern defense—they’re essential foundations of it”

2. Energy as the Lifeline of Agriculture and Defense

The second pillar—energy security—has always been integral to military readiness. But it’s just as crucial to food production. From diesel-run tractors and electric pumps to processing plants and cold storage facilities, modern agriculture consumes vast quantities of energy. In fact, farming accounts for approximately 30% of global energy use when the full value chain is considered.

Unstable or overly centralized energy systems make both agriculture and defense vulnerable. In the event of an attack, natural disaster, or energy embargo, a country must be able to sustain itself. Here too, Wyld’s technology plays a critical role—by enabling efficient energy use across agricultural operations.

For instance, satellite-linked solar pumps can be programmed to run only when necessary, based on soil moisture and evaporation data. Smart cold storage units in transit can adjust temperatures according to outside weather or product type. And because Wyld’s network doesn’t rely on terrestrial towers or mobile networks, it remains operable even during emergencies or grid failures.

Example: A logistics company using Wyld’s satellite terminals on food shipping containers can ensure real-time tracking of temperature and humidity, reducing spoilage by up to 30%—a huge win when one in four shipments of fresh food is compromised during transport.

3. The Ultimate Guardian of Sovereignty

Finally, there’s the core issue of defense itself. While satellites have long been used for surveillance and navigation, the role of space-based IoT is expanding rapidly. Military logistics, field communications, disaster response, and even troop health monitoring can all benefit from low-power, low-bandwidth sensors. And given the cybersecurity risks associated with terrestrial networks, the importance of secure, encrypted satellite connections has never been higher.

But defense also ties directly into agriculture in times of conflict. Armies may be deployed to protect food reserves, deliver supplies, or help rebuild agricultural infrastructure. In fragile states, food insecurity is often both a cause and consequence of violence.

By empowering rural communities with the tools to maintain their livelihoods and food systems, Wyld’s technology is helping to build local resilience—and thus, long-term national stability.

Connecting the Dots: From Soil to Sovereignty

Let’s look at how Wyld’s satellite IoT is being deployed across the agricultural spectrum:

Soil and Crop Monitoring

Wyld’s sensors track pH levels, temperature, and nutrient balance, allowing for hyper-local, real-time adjustments. This reduces waste and increases productivity, especially vital in regions experiencing desertification.

Smart Irrigation

Linked to real-time weather forecasts and soil moisture readings, Wyld-enabled irrigation systems use only the water necessary—preserving aquifers and reducing electricity use.

Livestock Health

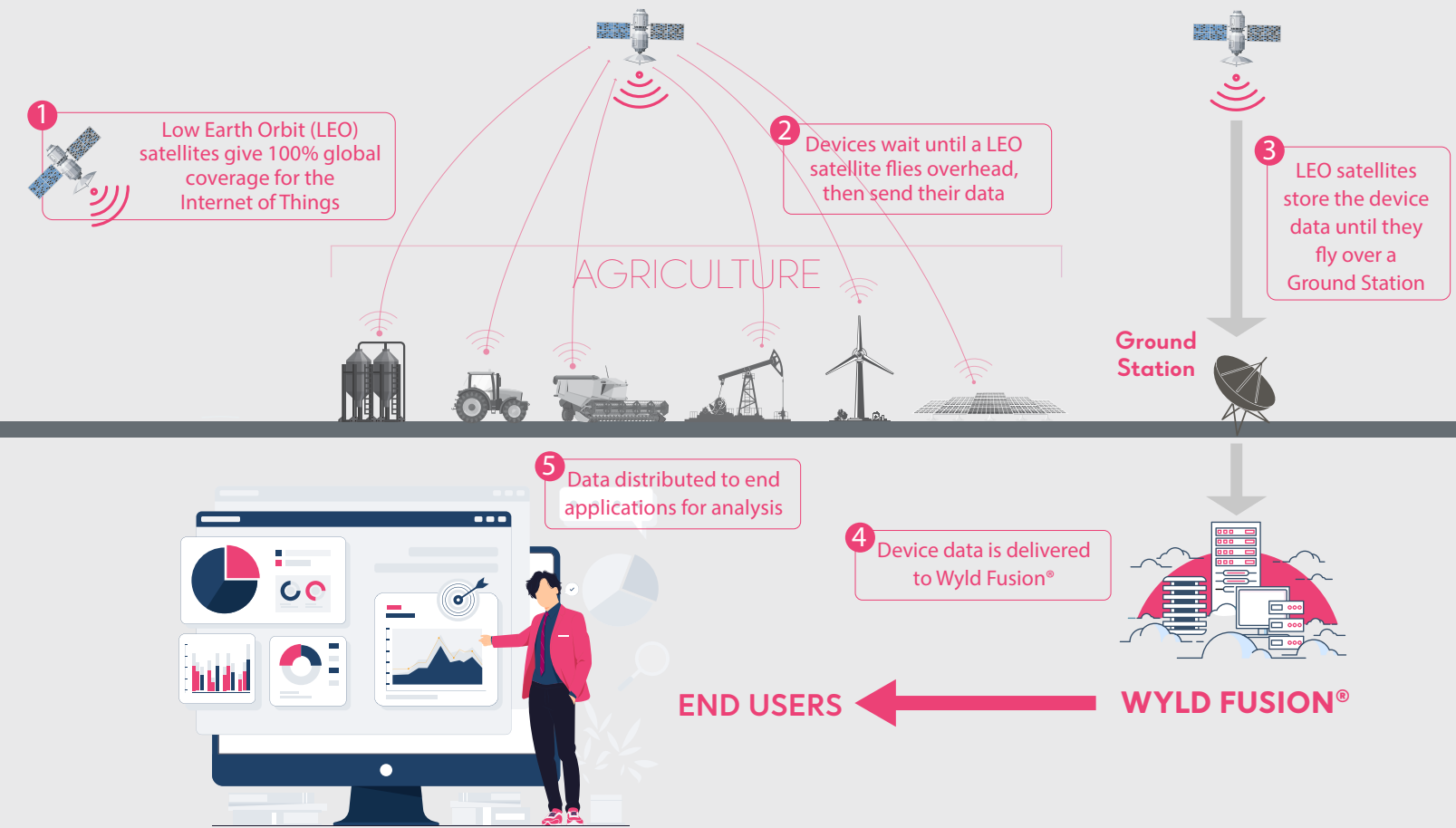
In partnership with a major Brazilian ag-tech firm, Wyld is supplying 10,000 collars for cattle, each equipped with satellite IoT chips to monitor temperature, movement, and feeding. Early detection of illness can stop outbreaks before they spread.

Predictive Analytics

With machine learning applied to years of weather, crop, and pest data, Wyld’s backend platforms help predict harvest dates, yield volumes, or risk of disease—all of which can guide market strategies and national reserves planning.

Supply Chain Tracking

RFID tags and satellite terminals ensure that every apple, avocado, or sack of grain can be traced from farm to table, building consumer trust and reducing contamination risks.



wyldNetworks provide a simple solution, helping to connect all locations of agricultural activity into a single, digital space

Latin America: The Rising AgTech Powerhouse

Latin America is well-positioned to lead the global AgTech transformation—not just because of its scale and biodiversity, but because necessity is driving innovation. Government agencies, including Brazil's Embrapa, are aggressively modernizing their approach to farming. Private-sector players are investing heavily in sustainable tech, especially in underserved regions like the Andean highlands or the Gran Chaco plains.

As noted in this recent LinkedIn article, “Latin America is no longer just a food producer—it’s a proving ground for climate resilience, regenerative farming, and digital-first agriculture.”

And unlike in North America or Europe, where 5G and fiber are relatively widespread, the need for satellite-first solutions in Latin America is immediate. That’s Wyld’s sweet spot.

The New Security Map Is Written in Data

Wyld Networks doesn’t just connect sensors—it connects the dots. Between defense and food. Between energy and sustainability. Between survival today and strategy tomorrow.

In a world that’s more unpredictable than ever, building a resilient, self-sufficient, data-driven food system isn’t a luxury—it’s a necessity. The future of national security will be written in kilobytes and satellite beams, just as much as in strategy briefings and defense budgets.

Latin America’s agtech revolution is here. And with Wyld at its side, it’s ready not just to feed the world—but to secure it.

A background image showing two men standing in a field at sunset. The man on the left is wearing a cap and overalls, gesturing with his right hand. The man on the right is wearing a straw hat and a dark t-shirt. The sun is low on the horizon, creating a warm, orange glow.

“In a world that’s more unpredictable than ever, building a resilient, self-sufficient, data-driven food system isn’t a luxury—it’s a necessity”



THANKS FOR READING

We hope you have enjoyed this edition of PING.

Continue to subscribe for industry insights into global IoT challenges and how the team at **wyldNetworks** is driven to deliver powerful solutions to its customers.

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