



# Building a High-Capacity Backbone for Next-Gen Media Services in Colombia

*How HV Multiplay scaled their Network for 100GE performance with Telco Systems T-Series.*

Across Latin America, service providers are facing a tipping point. On one side, there's an explosion of demand: streaming platforms pushing 4K and 8K content, cloud gaming, real-time interactivity, and hybrid work creating relentless pressure on networks.

On the other side, many operators still rely on outdated 1GE and 10GE infrastructure, which simply can't deliver the low-latency, high-capacity services today's customers expect.

## The HV Television Challenge

For **HV Television (HVTV)**, a leading multiplay provider with more than 160,000 subscribers across 30 Colombian cities, the challenge was clear: upgrade the core and access network to enable high-speed broadband and advanced digital services, while ensuring scalability, reliability, and rapid regional expansion.

## Telco Systems T-Series Impact

To support national expansion, low-latency streaming, and multiservice delivery, HVTV partnered with BATM Networks to deploy the Telco Systems T-Series product line. This solution allowed HVTV to upgrade its national backbone with a scalable, reliable, and future-ready network architecture. With over 100 devices deployed every quarter for 18 months, the rollout marked a strategic investment in a high-performance platform designed for long-term growth and operational simplicity.

# The Carrier-class Choice

## TELCO SYSTEMS

### T-Metro 8104 & 8106

Scalable metro core and aggregation switches, delivering high-density 100GE ports for blazing bandwidth and efficient service layer performance.



## TELCO SYSTEMS

### T-Marc 3348

Compact, rugged demarcation devices deployed at customer sites for simplified provisioning and SLA assurance.



## Advanced QoS & MSTP

Ensuring ultra-low latency for 4K/8K content and resilient loop protection for critical services.

## Over 300 active ports

supporting national backbone and expansion into key locations like Zona Franca, Soacha, Madrid, and Cajicá.

# Network Results that Speak Volumes

- ✓ **100GE Backbone Performance**  
From edge to core, Telco Systems' Carrier Ethernet delivers seamless high-speed connectivity across Colombia's growing digital economy.
- ✓ **Business-Ready Reliability**  
With MSTP, redundancy, and over 70 seamlessly deployed T-Series devices, HVTV's network boasts enhanced uptime and robust service assurance.
- ✓ **Partner-Driven Success**  
Beyond the products, HVTV credits Telco Systems' expert training, implementation support, and TAC services as a critical factor in their 8-year success story.

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*In 2015, we saw the horizon of tomorrow's media landscape and knew we needed a network that could keep pace... With over 70 seamlessly integrated T-Metro 8100 and T-Marc 3348s devices delivering blazing 100 Gbps connections and rock-solid redundancies, we operate with unmatched confidence... We will continue to invest heavily with Telco Systems for years to come*

Omar Gonzalo Santamaria, Network Executive Director, HV Multiplay

## A Scalable Network Foundation, Proven in the Field

HVTV's transformation showcases what's possible when high-performance Carrier Ethernet is combined with operational simplicity and strong vendor support.

As demand continues to grow across Latin America, Telco Systems T-Series stands as a trusted solution for operators looking to scale efficiently, deliver premium services, and maintain network resilience in even the most demanding environments.



**BATM Networks** (formerly Telco Systems) is a core division of BATM, a global technology powerhouse in Networks, Cybersecurity, and Diagnostics. Backed by over 50 years of innovation, we've earned the trust of 300+ service providers across the globe by delivering scalable, cost-effective, and high-performance solutions for the most demanding network environments.

**Telco Systems:** Carrier Ethernet excellence through our T-Series and X-Series product lines.

**Edgility FlexConnect:** Edge virtualization and software-defined connectivity for modern, distributed networks.

From high-capacity switching to intelligent edge deployments, BATM Networks empowers service providers and enterprises to stay ahead of tomorrow's connectivity challenges, today.



**HV Multiplay** is a leading Colombian telecommunications company offering internet, and TV services. Founded in 1991 in Soacha, and headquartered in Bogotá, the company ranks among the top five internet service providers (ISPs) in Colombia and was one of the first to adopt FTTH (fiber-to-the-home) technology for broadband delivery.

Today, HV Multiplay operates across several departments, including Antioquia, Tolima, Cundinamarca, Meta and Bogotá. Their network has a strong footprint in some of the most developed areas of Cundinamarca, Tolima and Antioquia, with coverage spanning from Soacha, Sibaté, Madrid, Mosquera, Cajicá, Ubaté, Zipaquirá, Chocontá, to Ibagué, Acacias and Bello.