Televes®

A new stage for our company

October marks the beginning of a new stage for our company with the **incorporation of Gonzalo Redondo as CEO and Esther Gómez as General Director.** This change strengthens our project without changing what defines us. We remain a technology company, founded on engineering and backed by the experience of several generations of professionals, which has allowed us to establish ourselves as an international leader.

The market is changing rapidly, and we must adapt. Our priority remains the same: **applying technical expertise, manufacturing with precision, and making practical decisions**, always focused on delivering real value to our customers. We know that progress is achieved by combining knowledge and effort, and we want to reinforce this approach through collaboration and teamwork.

Innovation arises when teams contribute ideas and work together. Technology remains our primary tool, and **every development must respond to real needs** and offer useful solutions for our customers.

Efficiency is essential for solid growth, reinvestment in development and maintaining our industrial independence. **This independence allows us to explore areas of high technological value**, such as aerospace and defense, where Televes, Maxwell Applied Technologies, and GCE are already demonstrating our applied engineering capabilities.

We are embarking on this new phase with the goal of **reinforcing what has made us strong**: technological expertise, manufacturing quality, and the trust our products inspire ■

"Innovation, know-how, and our historical commitment to in-house manufacturing put us in an advantageous technological position to continue exploring opportunities in the aerospace and defense sector."

Gonzalo Redondo, Televes Corporation CEO

MERRY CHRISTMAS
and a Happy New Year

RENEWED ENERGY, SHARED VISION

With the arrival of **Gonzalo Redondo as CEO** and **Esther Gómez as General Director**, the Televes Corporation has begun a new stage of growth that combines experience, innovation, and a firm commitment to people. In this interview, Esther shares her views on strategic challenges, the importance of maintaining our technological DNA and the role of internal talent as a driver for the future.

STRATEGY AND LEADERSHIP

As you take on this new stage together with Gonzalo Redondo, what do you consider to be the main strategic objective for the company in the coming years?

Our objective is to strengthen the Televes Corporation's technological position and **ensure sustainable growth based on innovation, efficiency, and people**. We want to consolidate what has always made us strong—engineering, manufacturing, and know-how—while opening up new opportunities in sectors where our technological capacity can provide differential value.

INNOVATION AND TECHNOLOGY

Televes has been known for its in-house manufacturing and technological know-how. How do you plan to reinforce that DNA in products and solutions to bring greater value to professionals?

The value that sets us apart is **mastering the entire development cycle**, from the conception of the idea to manufacturing. This capability gives us the agility to innovate and ensure more robust, integrated, and sustainable solutions. In this new phase, we will strengthen technology transfer between group companies, maximizing synergies, and accelerating the evolution of our solutions. We are committed to **developments that incorporate greater intelligence, connectivity, and digital support**, with a clear objective: provide real value to the professionals who place their trust in us.

CORPORATE CULTURE

In these times of technological change, one of the pillars of the new approach is to reinforce the internal culture and the value of people. What does this look like in practice for the entire organization?

The goal is for each person to feel like they are an active part of the company's common purpose. We are committed to **closer and more transparent communication**, to more transversal work environments, and to leaders who inspire through listening and by example.

Training and professional growth will be key levers to provide support with the technological challenges. Because innovation is not only from technology, but from the commitment and talent of the people who drive Televes every day.

COLLABORATION AND INTERNAL TALENT

Innovation needs engaged people. How will collaboration between teams and group companies be fostered?

Collaboration is key to transforming knowledge into real innovation. We want to **strengthen cooperation between our companies and areas, connecting talent, experiences, and capabilities.** We are committed to a more integrated group culture, in which technologies, learning, and challenges are shared. We will promote cross-cutting initiatives, joint projects, and spaces where ideas flow without barriers, contributing to our growth as a group and strengthening our capacity for innovation.

RELATIONSHIP WITH THE SECTOR AND THE FUTURE

What changes will professionals in the sector be able to see and what axes of growth are beginning to be forged within the technological umbrella that makes up the Televes Corporation?

The constant changes in our industry drive us to focus, adapt with agility, and orient our capabilities towards an increasingly demanding environment. **The sector perceives the values that the brand itself conveys**: a European reference in innovation, quality, and technological sovereignty. All of the Corporation's companies are committed to **developing their own reliable, high value-added solutions.** We are working to expand our industrial capacity and strengthen our presence in strategic sectors such as aerospace and security, areas where we are already active with advanced engineering solutions. This commitment will enable us to continue developing our own high-value technology, increase our impact and consolidate the Corporation's position in highly specialized and competitive environments ∎
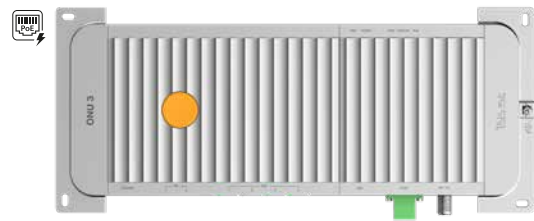
"Innovation appears when people feel listened to, are part of a common goal, and can try something with no fear of being wrong."

Esther Gómez, General Director, Televes Corporation

ONT 3 y ONU 3 Series

GPON technology designed specifically for the Hospitality sector

In Hospitality environments, connectivity is an essential part of the guest experience. For this reason, using devices designed for residential networks can lead to significant limitations. The new ONT 3 and ONU 3 modules, developed specifically for professional use, overcome these limitations by delivering the quality and performance required.

Each module supports up to 16 services per user, providing **the flexibility needed in high-demand connectivity environments**. This enables the delivery of a wide range of current and future services, such as VoIP, home automation, and casting.

Their professional-grade chassis, made from zamak, provides both **exceptional durability and thermal dissipation**. This ensures optimal performance and extends product lifespan, even in enclosed cabinets or false ceilings without ventilation, common yet challenging installation spaces.

As part of Televes' fully integrated GPON Hospitality ecosystem, these devices work seamlessly with the OLT512EVO, simplifying the integrator's work through **fast, intuitive configuration, deployment, and maintenance**.

The range includes **three models**, grouped into two categories depending on the intended installation type:

- **ONT 3** includes **WiFi 6** connectivity, ideal for FTTR scenarios where the goal is to provide a private, high-speed WiFi network in each room.
- **ONU 3** features **PoE powering** across its 4 Ethernet ports (up to 50 W and 120 W, respectively), making it ideal for FTTB environments or use in shared areas, where multiple access points and cameras can be powered directly.

All models include 4 Gigabit Ethernet ports and 2 FXS ports for telephony. In addition, each unit integrates a triplexer to separate the RF Overlay TV signal and convert it to coaxial output, eliminating the need for additional devices.

THE 3 MODELS AT A GLANCE

References	769531	769530	769532
RF Overlay	Yes	Yes	Yes
WiFi 6	Yes	-	-
FXS ports	2	2	2
1GbE ports	4	4	4
PoE+ (total power)	-	50 W	120 W

Together, these features offer the **Hospitality industry a simpler, more accessible path toward modern, robust, and efficiently managed connectivity** ◼
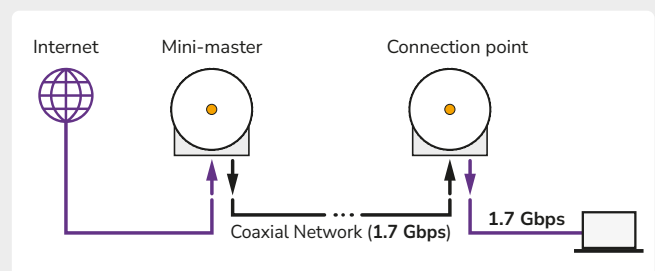

IDEA

1.7 Gbps coaxial link: a robust alternative to Wi-Fi connections

G.hn technology enables data rates of up to 1.7 Gbps over coaxial networks. To fully harness this potential, **the CoaxData G.hn Node (ref. 769320) is equipped with a 2.5 Gbps Ethernet port, allowing users to take full advantage of the available coaxial bandwidth**, something that would not be possible with standard 1 Gbps ports.

To implement a point-to-point link, simply connect the network access to one of the nodes via its Ethernet port and coaxial output. That node must then be configured in mini-master mode. At the other end of the coaxial link, connect a second node configured in slave mode so that the data rate becomes available through its Ethernet port.

This approach makes it possible to leverage existing coaxial infrastructure to **achieve high-capacity, stable, and interference-free**

connectivity, an efficient and robust solution when compared with WiFi point-to-point links, which typically suffer from greater limitations in range, speed, and stability ◼

Can I combine ArantiaCast with embedded casting solutions from manufacturers such as LG or Philips?

Yes. ArantiaCast is a professional casting solution that integrates with the casting systems embedded in LG and Philips televisions. The advantage of using ArantiaCast together with the embedded casting solutions in these TVs is that the hotel operator does not lose control over what really matters: providing guests with a simple experience, ensuring credential deletion to comply with privacy regulations, and maintaining centralized monitoring and management capabilities. All of these aspects are essential for the success of a professional deployment.

Although the solution is compatible, it is important to note that **certain differences in operation may occur depending on whether the embedded casting system or our external ArantiaCast dongle is used**.

In the case of integrated casting, two important differences should be highlighted: the TVs must have the Netflix application installed in order to use it and credential deletion must be ensured after guest checkout, through PMS integration. It is also necessary that the TVs include a remote control with a Netflix button, making access to the application easier. For all the above reasons, it is necessary to have a TV management system that enables these functions.

In the case of integration with LG, there is no option to customize the pairing page, which is possible when using the external ArantiaCast dongle or when integrating with Philips ■

TELEVES FACILITIES

EUROPARCS OSSIACHER SEE
(OSSIACH, AUSTRIA)

Located on the shores of Lake Ossiach in Austria, this exclusive holiday resort blends nature and comfort. It features around 80 bungalows, all connected via optical fiber, providing advanced TV, internet and telephony services.

Televes has supplied a comprehensive solution that includes a T.0X IP headend, InfoChannel with DS-Player and HDMI encoder, ATV3 Basic middleware for creating customized content and managing channel lists on a single screen, an OLT512EVO, and 80 ONTOFAC fiber terminals with QAM outputs and multiple Ethernet ports for internet connectivity. This configuration enables efficient, centralized service distribution.

In operation since November 2024, the system ensures a high-quality digital experience in a privileged natural setting, ideal for guests seeking both relaxation and entertainment ■

#SANTANDER39
(SANTANDER, CANTABRIA-SPAIN)
SEPTEMBER 1 - 3

The **#Santander39** event, organized by AMETIC, brought together leaders from the technology sector to discuss digitalization, competitiveness and social impact. Among the featured panels, **Santiago Rey** took part in discussions on **IoT node** use cases applied to smart buildings and urban management.

AUNA PARTNER DAYS
(CÓRDOBA, ANDALUSIA-SPAIN)
SEPTEMBER 18

Francisco Pérez, Hugo Botas, Antonio Brenes and Francisco Jiménez took part in the event; a fantastic opportunity to showcase our latest innovations, exchange experiences and strengthen ties with industry professionals.
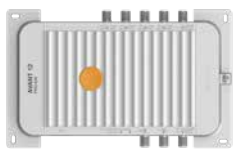

MOBILE UNIT IN FRANCE
SEPTEMBER 17 & 19

The Televes mobile unit toured France, giving customers and partners the chance to discover our latest solutions in TV reception, Hospitality, optical fiber, and test & measurement equipment. On **September 17, it stopped at GPDis**. On September 19, it visited the Televes France headquarters in Courtry, where customers attended an open day, explored our showroom, and enjoyed a friendly atmosphere while learning about our solutions first-hand. These sessions reinforced mutual trust and highlighted the enthusiasm and curiosity of our clients ■

Commissioning an Avant 12 Headend Amplifier

Step-by-Step configuration with the ASuite app

The Avant 12 series headend amplifiers incorporate new features designed to enhance the professional user experience. This guide outlines the main steps for commissioning the unit and configuring the most relevant operating parameters.

1. CONNECTING THE AVANT 12 AND ASUITE

The first step is to make all required input and output connections, following the labeling on the product housing. Once power is applied, the amplifier can be paired with the ASuite app (available for Android™ and iOS™) using a Bluetooth™ (BT) connection. After opening ASuite, in the product menu, select **Programmable Amplifiers > AVANT 12**, and select the specific product reference.

To begin configuration, pair the headend from within ASuite (not via the system Bluetooth search). Tap **Connect** and select the Avant 12 network. A green check mark on the connection icon, along with the **Disconnect** option, confirms that the connection has been successfully established.

ASuite also allows you to prepare and save configurations offline (for example, at the office) and later upload them to the amplifier once on-site.

2. GENERAL CONFIGURATION

Once connected, filter programming can begin by selecting the input/output (IN–OUT) path and defining the desired input channel range. PRO models include an auto-programming function, which automatically detects incoming channels and configures the corresponding filters. Simply press the button and wait a few seconds for completion. After the filters are configured, each input can be manually edited to add or remove channels, or to modify the powering type for mast amplifiers or smart antennas.

On the main screen, you can also set the output level and apply equalization (tilt) to the output if required.

To apply changes, send the configuration to the unit by pressing the button.

By swiping left to the **ADJUSTMENT** option, you can fine-tune individual channels and slightly modify amplification levels by up to ±3 dB. After making adjustments, remember to re-send the configuration to the headend.

3. ADDITIONAL RELEVANT PARAMETERS

Beyond basic setup, the Avant 12 offers a range of advanced configuration and monitoring options to optimize installation performance:

- **Monitoring**: in PRO models, the amplifier can identify whether each configured channel is carrying a DVB-T or DVB-T2 signal and can display related signal quality parameters. A PDF report can be generated showing the full configuration, channels, and measurements.

  Although this feature provides a quick verification tool, **a professional field strength meter should always be used** for accurate certification of the installation.

- **DAB**: when **receiving DAB radio signals**, connect the DAB antenna to Input 4. In ASuite, configure Input 4 (IN–OUT) to DAB full-band filtering mode.

- **FM**: the FM input can be enabled or disabled, and the desired output level adjusted.

- **SAT**: SAT models include **a satellite input** (enable/disable selectable), with three possible configurations under the **LNB/MSW** option:

  › Remote: the downstream receiver controls the polarity requested from the LNB or MSW.

  › Local: the user manually sets the LNB/MSW polarity.

  › dCSS: the user defines the desired User Bands (UB), specifying values, frequencies, and related parameters. The dCSS configuration tends to remain stable across installations, allowing it to be saved and restored independently from the DTT configuration to avoid overwriting.

  In the SAT section, you can also set attenuation and equalization levels as needed.

- **Save** / **Open** : these options allow previously stored configurations to be saved or reloaded, which is especially useful **for saving time when working on multiple installations within the same region**. After loading a saved configuration, it must be sent to the headend to take effect.

- **Export / Import** : this complementary feature enables **sharing saved configurations with other users or devices**. It is particularly useful for technicians working with multiple mobile devices, or for installation companies employing standard configurations across teams.

- **Unit Lock** : this function allows a lock code to be set to prevent unauthorized modification of the headend configuration. If the code is lost, **the headend must be returned to the factory to be unlocked**.

- **BT Network Timer**: this setting allows adjustment of the Bluetooth network timeout, which by default automatically turns off after two hours of operation. This option is found under the Settings menu.
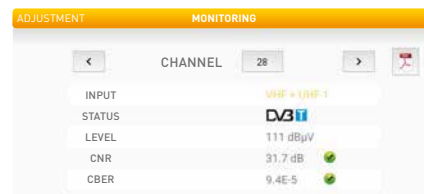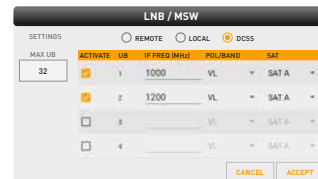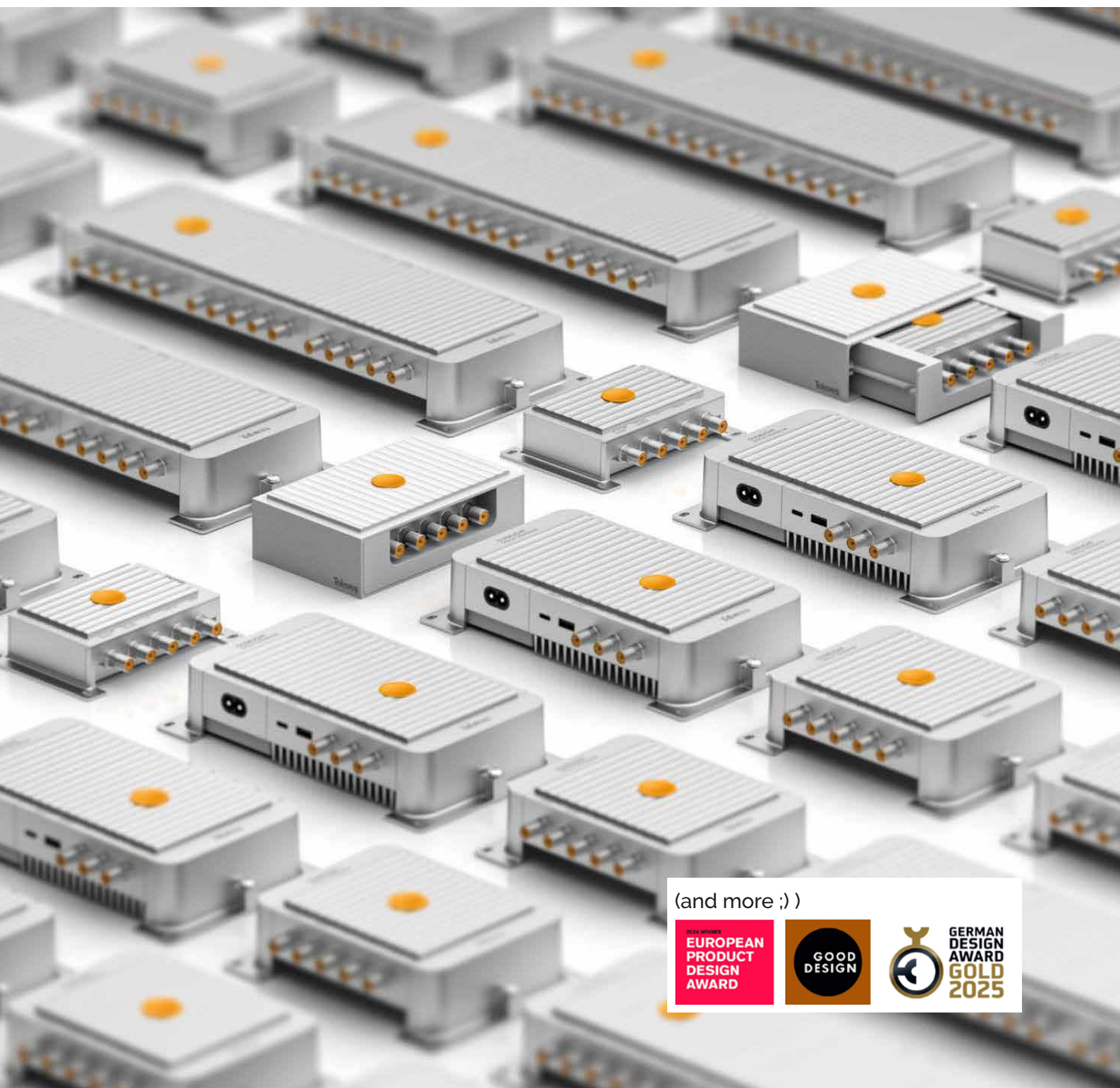
For more information, watch our step-by-step **video tutorial** on configuring the **Avant 12** with ASuite.

es.**televes**.com/**avant12_video**