



# Grupo Euskaltel, future proofed with Technetix DBx platform

## GRUPO EUSKALTEL

Size: 705 employees

Industry: Telecommunications operator offering Internet services of Fixed Telephony, Mobile Telephony, Broadband and Digital Television

Location: Derio, Basque Autonomous Community

Technetix is proud to be a trusted supplier to Grupo Euskaltel, the telecommunications group formed by the merger of Euskaltel, R and Telecable, three of the most important telecommunications providers in Northern Spain. Euskaltel Group offers broadband, telephone and mobile services to a market of 6 million people, serving over 800,000 homes and businesses in the Basque Country, Galicia and Asturias.

Technetix has been a supplier to Euskaltel, R and Telecable since 1998, trusted to maintain and install new network equipment, including a recent commitment to supply its state of the art DBx access technology as a part of Euskaltel's evolution to DOCSIS 3.1.

The Grupo Euskaltel network is currently operating at 868 MHz with an upstream frequency split of 65/85 MHz. Euskaltel is installing the DBD-1200 and DBC-1200, from Technetix' modular platform enabling them to replace legacy amplifiers and to build a network for the future with deeper fibre; as the DBx platform can operate at both 868 MHz and 1.2 GHz.

One of the key drivers in selecting Technetix as a supplier of amplifiers was the quick lead-time on deliveries from their warehouse in Zaragoza where local buffer stock is always maintained and also where the amplifiers are custom configured to Grupo Euskaltel specifications for different locations.

The DBx-1200 platform was selected by Euskaltel because it can be prepared for various upstream splits simply by switching pluggable diplex filters, which takes just a few minutes with minimal interruption to services.

This is the quickest upgrade in the market enabling more upstream capacity as required. Moreover, the DBx platform is the most power efficient 1.2GHz amplifier in the market requiring 30% to 50% of the power used by any of its competitors. This low

power dissipation makes the product run cool and thus makes DBx the most reliable platform in the market. Technetix' BLL smart phone or tablet configuration software enables Euskaltel engineers to configure the DBx-1200 platform quickly and

easily. Grupo Euskaltel has also tested and approved PRG and DOCSIS transponders from Technetix which allow configuration and status monitoring to be done remotely – this is particularly important in remote areas.

The Technetix DBx platform is optimised to operate in 1.2 GHz networks but can maintain network performance at lower frequencies, where equalisation is required to achieve the necessary gain for a network such as Grupo Euskaltel. Technetix has configuration installation options to provide the best possible results for the following scenarios:



Euskaltel needed to compensate for positive tilt in downstream frequencies.



Technetix has a cable simulator to compensate for positive tilt.



Euskaltel needed to compensate for negative tilt in downstream frequencies.



Technetix supplied 868 MHz equalisers to compensate for negative tilt and avoid the loss of effective gain.



Euskaltel needed to compensate for tilt in upstream frequencies.



Technetix provided upstream equalisers to compensate for upstream tilt and avoid the loss of effective gain.

## FOR MORE INFORMATION

To learn more about Technetix solutions featured in this case study, please contact:

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