

## **Polish technology on Tenerife. Inhabitants of Canary Islands listen to the digital radio thanks to DABCAST**

**The development of the original technology of DABCAST system has allowed BCAST company to start another international cooperation. As a result, inhabitants of the Spanish Tenerife island can now enjoy the radio signal of a new digital multiplex. Interestingly, the signal is transmitted from the slope of the biggest Atlantic volcano which is still active.**

In the second half of November the company BCAST, Polish biggest alternative broadcast operator, finalised the agreement with its equivalent operating in the area of the Canary Islands – TECHWORLDSUR. As a result, one of the archipelago's islands, Tenerife, has launched its radio multiplex, labelled as DIGI-CAN, fully operated by the Polish technology DABCAST. Implementation of the contract allows inhabitants of the island to fully enjoy some new radio stations, such as: Loca FM, Loca Latino, Europa FM, Axel24, BBR, Magica Fm, Coast Fm, Energy FM and XPR2.

### **Radio straight from the volcano**

The multiplex broadcast was launched near the town Adeje which is a very popular tourist destination. The whole installation was placed on the slope of a still active Teide volcano, being the Spain's highest peak as well as the highest volcano of the Atlantic Ocean. *Since the transmitter was placed on the hill, we didn't need much power in order to provide some good propagation. Our transmitter DTX05 with the initial power of 50 W was a perfect choice. Taking into consideration the antenna system gain, the effective radiated power was of approximately 200 W, which ensures reception of a digital radio even some dozens of miles deep down the Atlantic Ocean, says Maciej Lipiński, member of the BCAST Management Board and co-creator of DABCAST solution. For the sake of this project, BCAST delivered a full set of its original solutions. The set includes: a cloud multiplex (MUX) and encoders, a transmitter (TX), a device monitoring and evaluating quality (MON) of the signal and a Virtual Studio (VS) for broadcasters to easily manage transmissions. All DABCAST elements create a unique Radio-as-a-Service model, which recently was also registered as proprietary pattern in the EU Intellectual Property Office ([www.radioasaservice.com](http://www.radioasaservice.com)).*

### **Another international cooperation of the Polish operator**

In September, BCAST exhibited at the most renowned trade show for radio & TV: International Broadcasting Convention in Amsterdam. The company presented i.e. the first for more than 25 years Polish transmitter DABCAST DTX050 and the solution for signal monitoring DABMON. Both presented devices are part of DABCAST ecosystem allowing to effectively create and manage services of digital radio in DAB+ format. All the elements of the infrastructure were developed in the BCAST R&D department (DABCAST was appreciated by the European Union and received significant EU funding under the Horizon 2020 phase II program), which makes this solution very flexible and efficient, and its effectivity was confirmed during several implementation processes. DABCAST is already used i.e. to manage some multiplexes in Sardinia or some local services provided by BCAST in Poland. TECHWORLDSUR, impressed by the presented technology, decided to enter into cooperation with the Polish operator. *Thanks to a completely cloud approach to providing services, the whole*





implementation process, from the signing of contract to the beginning of broadcasting, took no longer than one month. And the longest part was the transport of the equipment, says Maciej Lipiński from BCAST.

Now it is time for listeners to assess the quality of the signal on the island. Nevertheless, BCAST and TECHWORLDSUR are already considering the possibility of extending the cooperation to other islands of Macaronesia.

*BCAST is a company founded in 2013, specialising in radio and TV programmes emission for public and commercial broadcasters. It provides services by relying on its own and on shared infrastructure. The company also leads some complex investment processes related to construction of new telco stations. BCAST owns its original solution DABCAST, enabling radio broadcasters to create and distribute content in DAB+ technology. Thanks to DABCAST, the company was one of few Polish enterprises to obtain the funding for research and development from the European Union programme Horizon 2020 phase II. DABCAST also operates as the company's R&D unit, focused on implementation of innovative solutions in telecommunication and media. You can read more about the company and its solution at: <http://bcast.pl/> and <http://dabcast.net/>.*

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