



PRESS RELEASE

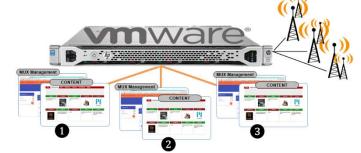
PANEDA AND TOWERCAST HAVE SIGNED AN AGREEMENT FOR DAB IN FRANCE

Linköping, Sweden, 2018-12-20

for immediate release

The network operator towerCast and Paneda have signed an agreement for DAB head end systems. Paneda will provide DAB multiplexer systems to towerCast during the next years. At the same time towerCast has ordered 2 complete systems for upcoming multiplexers in the Lyon area.

The system is realized in a dedicated server platform using VMware and capable to hosting a number of independent multiplexer systems with its audio encoders and content management system. With the unique handling of virtual service providers in the system, each broadcaster can be granted access to its own web-based user interface and can handle and manage the system independently from each other.



Raphael Eyraud, Radio Broadcasting Director at towerCast says:

"We are looking forward to now start with the first phase of our DAB venture, and we foresee a number of upcoming multiplexers in the nearest future. After a period of having tested the solution from Paneda, we have been convinced that the multiplexer solution from Paneda is the right answer to our client's requirements, thanks to its functionalities and the agility of the full virtual solution"

Lars-Peder Lundgren, Sales Manager at Paneda says:

"We are very pleased to now have finalized this agreement and is convinced that our expertise together with our state-of-the art DAB multiplexer system will contribute to a successful DAB launch for France"

About Paneda DAB:

The Paneda DAB multiplexer system utilizes the most modern system on the market, developed with the very latest technology. The Paneda multiplexer system offers several unique features including the Paneda SMART content aware switching enabling an higher level of redundancy, virtual providers allowing broadcasters to share a multiplexer platform but still capable to operate independent within their capacity range, unique audio source redundancy with seamless switching between different audio sources and several other features unique for a Paneda system. The system can be realized in a dedicated Paneda 1U hardware, containing up to 16 audio services, multiplexers, management and data content system in the very same 1U, furthermore the complete system can be installed in a server platform in the customers' existing environment or provided as turnkey system by Paneda as well as offered as a cloud service, without any hardware. For a cloud based DAB system, Paneda has developed the unique PCC, Paneda Cloud Connector that ensures the most robust and secure connection using Internet between the cloud multiplexer and the transmitter network.

For further information:

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About the Paneda Group:

Paneda develops and sells DAB related equipment on an international market. Up to this date Paneda has delivered over 200 tunnel systems with DAB in Norway. Paneda also operates its own digital TV network (DVB-T2) in Norway having over 165 transmitter sites. Paneda continue to expand its market shares on the international arena with its DAB Head-End range of components. Paneda has also developed emergency warnings systems over DAB and offers complete solutions for different kind of applications.





About towerCast:

towerCast, is a major French broadcasting services operator, specialized in Radio Broadcasting Services and Digital Terrestrial Television (DTT). We are covering more than 85% of the French population with Radio Broadcasting Services and 60% of French receive at least one DTT diffusion operating by towerCast.

Through more than 500 sites and thanks to a recognize know-how in management and networks operation, towerCast fixed its mastery of new digital technologies on the Broadcast market, Digital Terrestrial Television or telecom.

towerCast is a recognized player of the DAB venture since 2016 for the radios of Radio France in the East of Paris and since 5th December in Lyon where we broadcast 26 radios.