



Press Release

ENENSYS DTT NETWORK OPTIMISATION TECHNOLOGY MAKES LATAM DEBUT AT SET EXPO

SET EXPO, São Paulo, Stand 181A – 23 August 2015: [ENENSYS Technologies](#), designers and manufacturers of digital TV transmission technologies, will demonstrate its OneBeam ISDB-T/Tb DTT network optimisation technology at SET EXPO 2015 for the first time. The system is a central part of ENENSYS' satellite network optimisation capabilities, sitting between encoding/multiplexing and transmission.

OneBeam tackles key issues related to the specific nature of the broadcast transport stream (BTS) in ISDB-T/Tb, which is required for broadcasting ISDB-T/Tb signals. Not only is the BTS composed of 204 bytes long MPEG-2 transport stream packets - which necessitates adaption in order to convey it over the delivery network – but it also requires a bandwidth of 32 Mbit/s stream, regardless of how many channels or services are included, making it costly for content delivery over satellite to DTT headends.

OneBeam ISDB-T/Tb allows a standard (MPEG-2) transport stream to be used within the delivery network, removing the need for proprietary equipment to deliver and receive the BTS stream. This also means that services can easily be monitored across the delivery network because of the standardised MPEG signal. At the transmission sites, the OneBeam Edge product (TbEdge) generates the BTS signal for MFN or SFN broadcasting. Only the content that's actually being used is sent over the delivery network, allowing bandwidth usage to be optimised more effectively providing significant cost savings and therefore additional monetisation opportunities

Using OneBeam, the same MPEG-2 transport stream that carries content for DTH services can be reused for DTT services. From the DTH feed, the TbEdge system selects the services at each transmission site to build the new ISDB-T/Tb signal. The same solution can be used across multiple regions to offer service regionalisation. Regional content is more easily managed via a central location and standard CAM systems can be used in order to protect the content stream. Operators benefit by using a single delivery network with multiple services.

Laurent Roul, Product Line Manager at ENENSYS said, “We have been exploring the LatAm market for some time, looking at how our technology can be adapted to deliver real benefits in an ISDB-T/ISDB-Tb environment. By re-engineering OneBeam to address the specific needs of the region, we’re enabling network operators to effectively lower both Capex and Opex.”

About ENENSYS:

Founded in 2004 by digital TV professionals, ENENSYS Technologies has years of experience in the design and manufacturing of digital TV transmission systems. Its products sit between encoding/multiplexing and transmission, facilitating signal distribution over a wide variety of networks including IP. ENENSYS is the world leader for DVB-T2 technology, and covers other standards such as DVB-T, LTE Broadcast, T-DMB and DTMB. The company develops the technology embedded in its products and has released 15 patents to protect its intellectual property. For more information visit www.enensys.com.

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