

Press Release

Rennes, France, March 23rd, 2012
For immediate release

Enabling IP broadcasting in confidence

At this year's NAB, ENENSYS unveils the world's first and unique seamless IP switch, IPGuard™, which provides safe delivery of any IP streams carrying digital TV, digital radio or data services to meet customers' expectations with a reliable IP broadcasting.

With the emergence of IP networks, more and more the broadcast world is migrating from the famous ASI interface to the wide spread IP interface to offer more services and flexibilities. Although most of the broadcast equipment supports the delivery of services over IP networks, no solution allowed yet a secure delivery of those IP-based services. ENENSYS' **IPGuard™** is the perfect solution that guarantees a safe broadcasting of critical digital applications by allowing an automatic and seamless redundancy of IP services.

The **IPGuard™** offers a bypass mechanism in order to offer 100% of service availability in case of power outage or unit failure. It is designed to provide an automatic 1+1 redundancy of network equipment that delivers services over IP such as encoders, multiplexers, DVB-T2 gateways, ASI to IP adapters,... Additionally, the **IPGuard™** can also be operated to re-synchronize and re-align the same MPEG-2 TS or T2-MI stream that is carried over redundant IP-based networks. The latter introducing different network propagation delay, the **IPGuard™** is able to re-align both IP streams to provide a seamless change-over between redundant IP streams.

"We are really proud to offer to the digital TV market the world's first and unique solution that can guarantee a reliable delivery of any digital TV, radio and data services over IP networks", said Laurent Roul, ENENSYS networks product manager. "Most of our customers were looking for a solution that could really provide a 1+1 automatic redundancy at the IP level as the well-known ASI matrixes do so far. The **IPGuard™** embeds the same technology as the ENENSYS' **ASIGuard™** seamless ASI switch to provide a wide range of change-over possibilities from regular MPEG-2 Transport Streams to SFN feeds up to the new T2-MI streams. With **IPGuard™**, operators can definitely migrate to an IP only network delivery in confidence".

Visit ENENSYS at NAB booth SU 9812.

About ENENSYS Technologies SA

ENENSYS Technologies has years of experience in the design and manufacturing of Digital TV transmission systems. ENENSYS is the world leader for DVB-T2 technology, and covers other standards such as DVB-T, DVB-H, T-DMB, DTMB... Product range covers Broadcast Network Equipment for Digital Terrestrial TV, Mobile TV and IP Distribution, but also Test & Monitoring solutions. Customers range from Broadcast & Network Operators, Chipset Vendors and Receivers Manufacturers. ENENSYS is headquartered in Rennes, France, in the heart of the European Digital Broadcast Cluster.

For more information on Broadcast Network Equipment, please visit www.enensys.com.

For more information on Test & Monitoring, please visit www.enensystest.com