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Evertz Highlights Satellite Ground Infrastructure Digitization at IBC 2024

This exciting new technology, which will revolutionize satellite ground infrastructure, is being advanced by Digital IF Interoperability Consortium (DIFI), of which Evertz is a key member.

Burlington, Canada. August 8th 2024: At IBC 2024 (**2.B51**), Evertz will showcase its cutting-edge digital IF conversion and processing technology that is helping to revolutionize satellite ground infrastructure and redefine workflows to enhance efficiency for broadcast and media professionals worldwide.

As a global leader in media and broadcast solutions, Evertz is playing a key role in the Digital IF Interoperability Consortium (DIFI), an international non-profit membership consortium that aims to advance interoperability in satellite and ground systems networks and set new standards for the industry. These advances are comparable to the broadcast industry's transition from SDI to IP, an area where Evertz has demonstrated leadership and expertise. Once implemented, they will revolutionize current business structures and help the satellite and ground systems industry develop the network transport of digitized IF signals.

Underscoring its commitment to advancing DIFI and ensuring a smooth transition for those ready to embrace this new era of satellite signal processing, Evertz recently joined industry peers and stakeholders at the second DIFI PlugFest, which was held in the UK in June. Nine vendors tested the compatibility of version 1.2 of the IEEE-ISTO 4900-2021 Standard, which was introduced last September, while version 1.1 was also tested for functionality. In total, 178 test cases were executed, with 93% of tests at least partially compliant and 75% fully compliant. Once again, Evertz provided the RF and IP routing infrastructure necessary for seamless signal routing and distribution among various vendors.

At IBC 2024, Evertz will showcase the modular and hot-swappable 7880RFIP platform, which offers up to 28 bi-directional conversions in a 3RU frame or up to 8 bi-directional conversions in a compact 1RU frame. This platform can digitize up to 1GHz of instantaneous IF bandwidth per channel, representing a significant advancement in spectrum management. For European customers, this means enhanced spectrum efficiency, crucial for navigating stringent regulations and limited spectrum availability. The digitized IF is transported over WAN networks using IP, eliminating the distance limitations experienced with dark fiber. This opens up new workflows and approaches for the RF industry, particularly in the strategic placement of satellite dish farms, leading to reduced operational costs and increased efficiency. The platform's scalability, flexibility, and improved reliability make it an ideal solution for European broadcasters, telecom operators, satellite operators, government agencies, and research institutions, ensuring they are well-prepared for future technological advancements and industry shifts.

Additionally, Evertz will showcase its innovative 670WSP channelizer, empowering operators with flexible spectrum management to significantly reduce IP bandwidth requirements, fostering dynamic workflows. Complementing these advances, Evertz will highlight the integration with its MAGNUM-OS orchestration system, streamlining the integration of complex digital IF or hybrid workflows, further solidifying its position as an industry leader in satellite ground infrastructure digitization. MAGNUM-OS orchestration allows the complexity of the underlying architecture to be abstracted from the end user, all while mitigating failure and providing appropriate status on the underlying hardware. Together with VUE, this allows the system to be operated using a simple, easy to use interface that can be scaled and optimized to meet the operational needs of the facility.

For more information on Evertz's range of RF products, please visit Hall 2, stand B51 at IBC 2024, or visit www.evertz.com.

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About Evertz Technologies Ltd.

Evertz Technologies Limited (TSX:ET) designs, manufactures and markets video and audio infrastructure solutions for the television, telecommunications and new-media industries. The Company's solutions are used by content creators, broadcasters, specialty channels and television service providers to support their increasingly complex multi-channel digital, high & ultra-high definition television ("HDTV" & "UHD") and next generation high bandwidth low latency IP network environments and by telecommunications and new-media companies. Evertz products allow customers to generate additional revenue while reducing costs through efficient signal routing, distribution, monitoring and management of content, as well as the automation and orchestration of more streamlined and agile workflow processes on-premise and in the "Cloud". For more information, please visit www.evertz.com

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