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FOR IMMEDIATE RELEASE



Evertz Technology utilized in discovery of U.S.S. *Indianapolis*

Evertz' SDVN routing technology aided in discovery of WWII ship missing 72 years

January 11, 2018 – Burlington, Canada – Evertz Microsystems, the global leader in professional audio/video solutions, announces that their EvertzAV MMA-10G solutions contributed to the Vulcan *Petrel* Project discovery of the U.S.S. *Indianapolis*.

The U.S.S. *Indianapolis*, a Portland-class heavy cruiser in the United States Navy launched in 1931, was torpedoed by Imperial Japanese Navy submarine *I-58* in 1945. The *Indianapolis* had just completed a secret mission delivering parts for the Little Boy atomic bomb to Tinian. In the early hours of July 30, 1945 the *Indianapolis* was struck on the starboard side by two type 95 torpedoes. The ship sank within 12 minutes and took some 300 of the 1,196 crewmen with it. The rest of the men were set adrift in the Philippine Sea. Nearly five days later, just over 300 men who had managed to survive dehydration, starvation, exposure to the elements, and shark attacks were spotted, by chance, and rescued.

On August 19, 2017, the Research Vessel (R/V) *Petrel* owned by Microsoft co-founder Paul Allen discovered the wreck of the U.S.S. *Indianapolis* in the Philippine Sea 18,000 feet below sea level. Discovered using a combination of historical records and advanced technology aboard the R/V *Petrel*, the *USS Indianapolis* was found by scanning 400 square nautical miles in the western part of the North Pacific Ocean.

EvertzAV designed and supplied the R/V *Petrel* with a Software Defined Video Networking (SDVN) IP-based command and control center for the navigation and monitoring systems utilized by Vulcan. In addition, EvertzAV's network based Keyboard/Video/Mouse (KVM) technology provides operators access to all camera feeds and AUV monitoring systems displayed on EvertzAV MMA10G-VIP-32X2 multiviewers. Operators used an Ipad interface for all switching and control. Monitoring was done 24 hours a day for almost a week and accomplished with EvertzAV Vscribe's continuous shadow record capability. This rolling record supports resolutions from SD to 4K and simultaneously saves content to storage for archival purposes. For low latency and reliability, both of which were crucial to the project, an EvertzAV switch-fabric IPX-mesh was used for network-based routing in conjunction with Evertz' MAGNUM Control and Orchestration software. EvertzAV's VUE customizable touch interface provided a custom user interface simplifying the operational workflow associated with undersea search operations. In addition, Evertz modular audio and video distribution, conversion, processing

and timing solutions including the 7814UDX-4K UHD/Up/Down/Cross converter were utilized.

“There are enormous and often unforeseen challenges in a search of this magnitude. EvertzAV’s advanced IP technology, with its low latency and advanced KVM support gave us the technological edge to the state of the art systems used onboard R/V *Petrel*, adding to the successful discovery of the U.S.S. *Indianapolis*,” said Robert Kraft, Director Subsea Operations. “We thank Evertz for their contribution and support for this project and look forward to our continuing collaborative relationship.”

“EvertzAV was excited to be selected by Vulcan to supply our MMA-10G technology to help build the advanced command and control center on this amazing vessel, and we were thrilled to learn of this historic discovery and to think that our technology was perhaps able to aid in a small way is amazing,” said Jamie Horner/General Manager of EvertzAV. “We congratulate Vulcan and the *Petrel* on the success of this historically significant search.”

About Paul G. Allen

Four decades after co-founding Microsoft, entrepreneur and philanthropist Paul G. Allen is still exploring the frontiers of technology and human knowledge, and acting to change the future.

Mr. Allen is deeply committed to honoring our past and the lessons it provides to our future. He has created public spaces including the Flying Heritage and Combat Armor Collection, MoPOP and the Living Computer Museum + Lab — where people learn and interact with historic, cultural and musical heritage.

Many of his ventures were seeded in his youth, and reflect the depth and diversity of his passions. Honoring his father’s service in World War II, Mr. Allen is especially interested in collecting and protecting the artifacts that speak to the heroism and service of that day. His recently acquired Research Vessel *Petrel* provides a platform to search for historic artifacts that have been lost at sea.

To learn more, visit PaulAllen.com.

About EvertzAV

EvertzAV is a division within Evertz Microsystems exclusively focused on the professional AV marketplace. Evertz Microsystems is a global leader in the design and manufacturing of professional audio and video infrastructure equipment addressing several professional AV vertical markets. With over 1200 employees and 40 years of experience, Evertz offers the most complete end to end solutions for AV distribution and visualization. For more information on the products visit av.evertz.com.

About Evertz

Evertz Technologies Limited designs, manufactures and markets video and audio infrastructure solutions for the television, telecommunications and new-media industries. Evertz provides complete end-to-end solutions to content creators, broadcasters, specialty channels and television service providers to support their increasingly complex multi-channel digital, ultra high definition (UHD) and next generation high bandwidth low-latency IP network environments. Evertz’ solutions enable its 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”.