



End User: *KCET*

AIC Customer: *Seachange International*

AIC Product: *XJ1100 series SAS JBOD (P/N: XJ-SA26-212R-S)*

AIC

Advanced Industrial Computer, Inc.

PIG Platform Solutions Group Xstore Extreme Storage

Enabling Your Server and Storage Solutions

CASE STUDY

AIC's Technology Enables Implementation of SeaChange's Broadcast Media Archive Solution for KCET

Near-line archive solution enhances productivity and reduces production costs



“The AIC and Seachange solution has not only reduced KCET’s operational overhead, but also improved performance and lowered our production costs, said Gordon Bell, VP of Engineering, KCET. “This new system is the ideal long-term solution we were looking for that will grow to meet our future needs.”



Challenge

The ever-growing demands of media storage in the broadcasting industry poses a significant challenge to the industry’s IT professionals. The entire workflow process, from ingest and production to play-to-air, requires massive storage capacities that are easily and quickly accessible. Streamlining the process of retrieving and restoring media, while maintaining IT overhead, is a key issue for industry professionals. Their challenge is to find a large capacity, scalable solution that is fast, reliable and cost-effective.



Problem

Like many other broadcast stations, KCET’s near-line storage system could not meet the demands of the growing storage needs of its operation. In addition, their system was cumbersome, and the process of archiving data from on-line to near-line storage proved time-consuming and costly, with some high-definition files taking nearly 60 minutes to move. From an IT management standpoint, this excessive archiving time was inefficient and costly to the production process. A fast and cost-effective solution was a primary objective to streamline the production process.



Solution

KCET acquired a new system employing Seachange's MediaLibrary™ 1G and expansion unit as the company's near-line storage solution. Both systems are powered by the customized server chassis and the XJ1100 series SAS/SATA storage solution from AIC. The resulting system is a cost-effective, fault-resilient solution for broadcasters and has benefited KCET in all facets including, technical, operational and financial perspectives.

From a technical standpoint, KCET no longer requires an intermediate software solution, now only requiring a GMT file to move data from on-line to near-line storage, minimizing time expenditures. The new system provides them with the robust performance, user-friendly interface and time-saving solution they were seeking, and has reduced archiving time by 75%, increasing productivity exponentially.

In addition to the time and cost savings, KCET also benefits from an operational standpoint, requiring less personnel despite the growing demands for high-definition in the broadcast industry. Combined benefit for KCET is significant and their operation as a whole has benefited greatly.

The AIC and Seachange solution has not only reduced KCET's operational overhead, but also improved performance and lowered production costs, providing them with a long-term solution that will grow to meet with future needs.



Configuration

SAS JBOD subsystem: AIC Xtore XJ-SA26-212R-S

SATA Disk: Seagate Barracuda 750GB

SAS Host Bus Adapter: LSI 8344ELP MegaRAID SAS controller

About KCET

KCET, the West Coast flagship station of PBS, is the public television station for Southern and Central California. KCET is watched by four million viewers a month in 11 counties, the largest broadcast reach of any public television station in the United States. Throughout its more than 40-year history, KCET has won hundreds of major awards for its local and regional news and public affairs programming, its national drama and documentary productions, its quality educational family and children's programs, its outreach and community services, and its Web site, kcet.org.

About Advanced Industrial Computer, Inc (AIC)

AIC is a leading provider of OEM/ODM server and storage solutions, ideally developed to meet the unique demands of a wide variety of markets. With expertise in in-house design, validation, manufacturing and production, our expansive selection of products are highly flexible and can be configured to any form factor or custom configuration. AIC leads the industry in all categories, with over 100 years of combined experience in mechanical, electronic, system-level engineering as well as a dedication to product innovation and customer support. Headquartered in City of Industry, California, AIC is ISO-9001:2000 and ISO-14001:2004 certified, and has offices and operations throughout the United States, Asia and Europe. For more information on Advanced Industrial Computer, Inc. (AIC) and its products, please call (626) 581-4300 or visit our website: <http://www.aicipc.com>.



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