

Media Archiving Solutions

Capture value and provide access



What is a Media Archiving Solution?

Archiving solutions are an essential part of modern asset management systems. The challenges in organizing, managing and integrating existing broadcast archives infrastructure have risen significantly. Especially with regard to the huge amount of data to be archived in HD environments the time to find and retrieve material or selected scenes is the essential issue for editors normally working under extreme time pressure. In most cases archive hardware and software already exists and must be integrated in a way that enables new workflows but also speeds them up and makes them accessible in a cross-media environment. Silex Media offers solutions that integrate archives seamlessly and efficiently into the daily workflows, including partial file restore, automated low-res generation or transcoding. The reuse of existing hardware and software is possible as well as planning of a completely new system.

Solutions soaked in the real world

Media Archiving Solutions have been successfully planned and integrated e.g. at the American sports channel NBA TV, DR in Denmark, Pro7Sat1, RTL 2 or SWR in Germany. At a large broadcaster in the UK, Silex Media is strengthening its existing partnerships with Quantum and DAVID Systems by providing a solution based on Hydrogen Archive Catalyst to enable the customer's archive project to benefit from intuitive timecode-based partial file restore. Over the next few years, this project is expected to grow up to many petabytes of media files stored on a mixture of both disk and robotic data tape.

Solutions for accelerated and integrated archive access

Example solution: Media Essence Management – a media mass storage solution

Customer requirements

All professional media owners are facing the challenge to securely store their essences. They are concerned especially about the fact that an essence could get lost or becomes unusable if the storage media is damaged. At the same time they need broadcast specific features like partial restore, must access their archives fast and secure or try to avoid ingesting their tape-based high-res material every time it's needed.

Solution

Media Essence Management is a specialized solution set for secure media storage and its integration in the enterprise workflow. Because it is based on standard IT (servers, operating systems, storage, hierarchical storage management systems) the broadcaster can use the existing know-how of his IT personnel to administer the essence storage and benefit at the same time of the IT vendors latest data security developments for other industries. Additional benefits include faster production ready time with Silex Media's expertise in making standard IT components suitable for broadcasters. These benefits reduce greatly the cost to store essences.

Expertise and services

Consultancy around developer support ● Experience in workflows around archiving for both TV and Radio ● Secure, fault-tolerant setups of Storage and server systems, Network architectures, HA and cluster technologies (HP, IBM, SGI, LSI, DDN) ● HSM software (Quantum, SGI, IBM) ● Glue development on MacOS, Linux, Windows ● Integration with Broadcast specific applications (MAM, Automation, Production) ● Interface to existing media management or automation systems to retrieve or register content (XML, EDL, APIs, MessageBus, etc) ● Integration to numerous types of production/editing systems ● Broadcast formats and manipulating them (transcoding, partial restore, move) ● Solution support ● Custom development

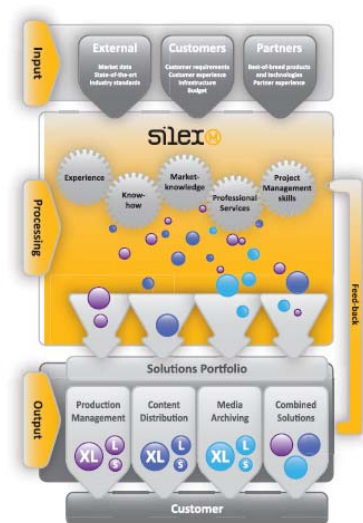
More solution examples:

Toolkit for archive solution: allows large broadcasters with in-house development capabilities to control and build their own archive architecture and to integrate it to current as well as future production system. They consider the Archive system as common infrastructure that is capable of adopting current technology and media – also with a long term perspective that looks decades ahead. Consolidation of several archives could be an essential part as well.

Content Store: Many media and industry companies are facing the challenge to archive their tremendous amount of existing media content and make it available for re-use. A common requirement to broadcasters, post-houses and industry clients is the opportunity to implement their metadata-model, find their content and preview it.

Especially for post-houses and industry clients project based archiving of content is an essential requirement. The front-end needs to be browser based, because the users are very often producers, marketing or external clients or agencies. In order to serve these the overall system needs a secure access control and must be multi-client capable.

Silex Media solutions portfolio



Silex Media is a services company that focuses on delivering solutions to address customers' needs in the areas of Content Distribution, Media Archiving and Production Management. Indeed, since global cooperation, content sharing and integration with proprietary systems are most demanding challenges for broadcasters today there is a strong end to end solutions from a company that understands the unique requirements of the broadcast industry while at the same time managing the lifecycle and reducing the risk of integration and evolution

Silex Media's proven solution portfolio includes best of breed products from our technology partners coupled with the expertise and support of their global professional services team to help customers address today's challenges and opportunities and bring out the best in their content. Silex Media accompanies its customers through all steps of the project, from consulting and planning to the turnkey solution and subsequent support.

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