SPORTS
Live Transmission, video management and streaming in FULL HD

LIVE PRODUCTION
Effective preparation of Live Events and subsequent 3 Click archiving

MEDIA MANAGEMENT
Multi Source Recording and centralized management Platform

ENTERTAINMENT
Multi-Channel IP Stream Recording System with video engine for preview rendering

France Galop's Customized Proxsys PX Automated Video Processing Solution

The Background

FRANCE GALOP, an organization that manages all French horse racing, arranges 9500 races annually at more than 150 locations and tracks over ten thousand horses. France Galop is responsible for providing video documentation in case of accidents, misconduct, abuse of horses, unclear decisions and arguments about the results.

The Challenge

In order to fulfill the complete workflow, three challenges had to be solved. A customized feature needed to be implements to search and organize France Galop's complex metadata. Secondly, users need to be able to easily manage access rights so that the judges would have the ability to manipulate video in order to see races from different angles and slow down video feed to call close races. Finally, a special video player for multi angle viewing analysis was requested to watch different sources and angles of the video feed simultaneously, while the metadata files describe races and document every aspect of the race. Since the judges and committees are not all basedin the headquarters, nationwide access from platforms such as Windows workstations, Apple devices and Android tablets was mandatory.

The Solution

The solution is based on VITEC's Proxsys PX-150, a turnkey Media Asset Management system, supplying enough storage, CPU performance and management features for France Galop. A customized version of the Proxsys ingest Wizard was developed and deployed to watch video clips from different sources, the metadata files describing the race and the files documenting the results in case of accidents or unclear decisions.

In addition to combining files and information in the customized User Interface, the Wizard is responsible for transcoding different types of video formats into archiving H.264 encoded clips. This process is transparent for the user and as fault-tolerant as possible, utilizing automated exports from each race for storing information in the Proxsys database.

The second highlight of the France Galop solution was the implementation of the Proxsys Mosaic Player the judges needed to ensure verifiable results of race winners. The Mosaic Player allowed the France Galop judges to be able to scroll through videos from different viewing angles with a single slider, switch the view point on request and even playback a loop scene in slow motion. This tool is available in the Proxsys user interface and as an export to DVD or USB stick for offline access.

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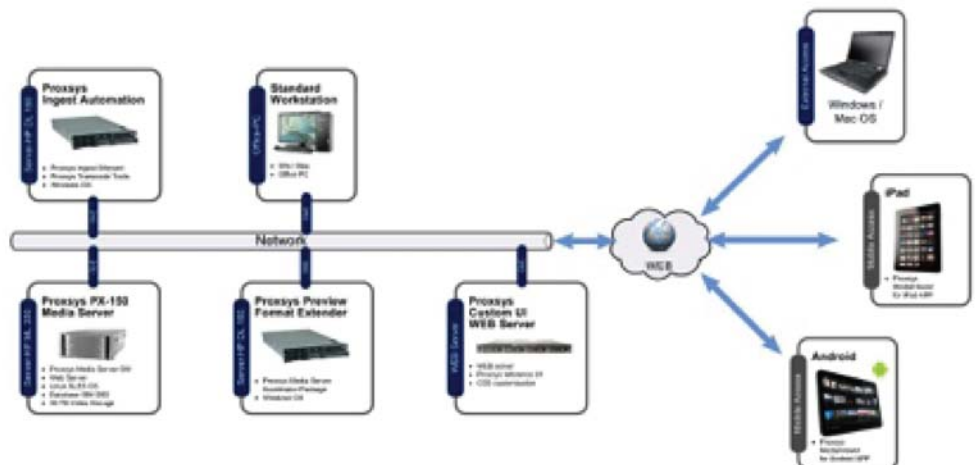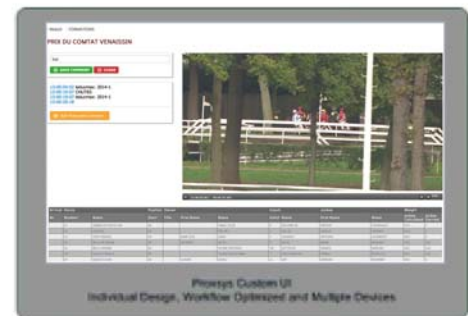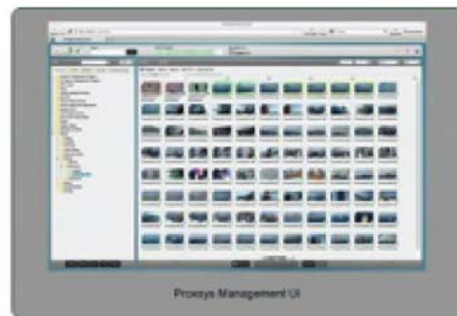Multi Source Recording and centralized management Platform

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The third challenge was met by providing a simple optimized browsing and playback interface, similar to a video on demand portal. Based on the Proxsys Custom UI a responsive WEB VOD service was developed. The requirement list included: login with access rights management, compatible with Windows, MAC, iPad and Android tablets and timecode based tagging. For best performance the Proxsys CUI WEB server is installed with the Internet Service Provider (ISP) to provide high internet bandwidth.

France Galop now has a Media Asset Managment and Archiving Solution that that allows them to organize and manage horse racing most efficiently. The Ingest Wizard stores and organizes hundreds of thousands of assets with simple, yet powerful tools that are easy to use, configure and provide the flexibility to capture every detail of an event. The key element is the Proxsys Mosaic player that allows the judges to view and export clips. Being able to view results from different angles, point of view and in slow motion is critical them as sports default decision makers.

Proxsys Management UI

Proxsys Custom UI
Individual Design, Workflow Optimized and Multiple Devices

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Proxsys PX Customized Solution

FRANCE GALOP operates a database to manage the race courses, betting, statistics and a vast amount of information. Automation is needed to handle this large number of clips with very detailed metadata. An extract from that database is utilized to fill the media database and link the clips.

Proxsys PX Solution

Proxsys, the enterprise hardware and software turnkey system that has been established for Media Asset Management and the overall tasks associated with Archiving, provides state of the art video features and advanced database functionality in combination with a comfortable user interface design. With over 300 installations worldwide, Proxsys supports most vertical markets like broadcasting, sports, post production, enterprise business or legacy applications.

CUTTING EDGE TECHNOLOGY

Proxsys is highly scalable comprehensive media workflow solution, meeting needs of individuals, professionals as well as entertainment and sports venues.

INTUITIVE USER INTERFACE

Optimized browser based user interface includes access rights management, with a video engine for preview rendering and painless integration with other products, platforms, formats, hardware and software.

CUSTOMIZABLE FUNCTIONALITY
Archive clean feeds and multiple live production programs with metadata, tagging support and a powerful search engine.

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FRANCE GALOP www.france-galop.com

Proxsys PX Solution with a Custom UI & Ingest Wizard

PROXSYS V7.3

- Turnkey Media Asset Management Platform
- Modern Design Browser UI, no license fee per user
- Integrated Video Server
- Preview clip render / Clip/Image extract
- Scene detection / Watermarking
- IBM DB2 Database and flexible Metadata Model
- Timecode based Marks and Scenes
- Multiple Metadata Types
- Diverse Video Playout and Distribution Features
- Online, Nearline and Offline Storage (HSM)
- HP/IBM Server Hardware or Virtual Machine

PROXSYS Ingest Wizard

- Automated or manual file ingest
- Wizard based user interface for error free operation
- Metadata aggregation and handling
- Optional Transcode feature
- Logging and messaging service

PROXSYS Custom User Interface

- Optimized for individual designs, applications and workflows
- Sample applications available
- Responsive design for cross platform distribution
- Installed at Internet Service Provider (ISP) for best internet bandwidth

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