
Digital Asset Management for Intellectual Property at Sony Music, Inc.

Preserving Musical History

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THIC Meeting at the Denver Marriott Southeast

July 23, 1997

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Digital Archive Project

- **Replacement of physical archive of music and images**
 - Over 450,000 audio items
 - 140,000 album masters
 - 20,000 video items
 - 50,000 images, artwork and photos
- **Preserve via digital archive system**
 - Stop further deterioration
 - Provide storage for 430 terabytes of data

Project Goals

- **Asset Preservation**
 - Check quality of media over time
 - Cyclical testing of media
 - Replacement of media before quality of sound or image deteriorates
- **Asset Access**
 - Management of media
 - Database and browser
 - Storage management software

EMASS Solution

- **“Infinite File Life” concept**
 - Availability
 - High fidelity
- **Systematic monitoring of system**
- **Timely replacement of media**
 - Secondary copies
 - Transfer to newer recording technologies

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 **EMASS**[®]
Storage Management Software

Preservation Process for Audio and Images

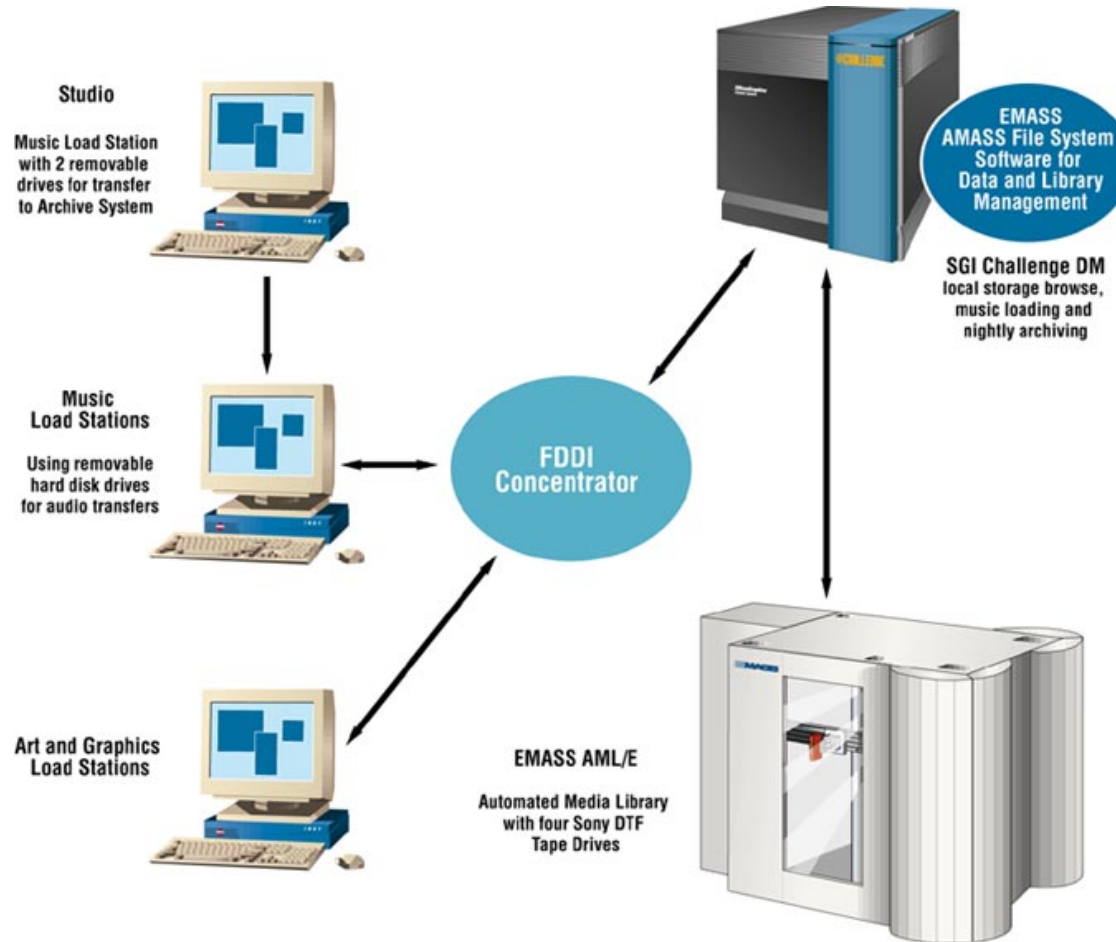
AUDIO

- 1. Audio recordings digitized at studio**
- 2. Loaded onto removable hard disk drives**
- 3. Transfer to “load station” workstation**

IMAGES

- 1. Images are digitized**
- 2. Loaded onto separate load station**
- 3. Music and graphics archived to EMASS AML/E nightly**

Sony Archive Configuration



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Sony Archive Configuration

- **Silicon Graphics Challenge DM**
 - 23GB RAID device for cache
- **EMASS AML/E Automated Media Library**
 - 288 slots
- **Four Sony DTF tape drives**
 - 43GB capacity per tape
- **AMASS Storage Management Software**

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EMASS Automated Media Library

- **Open architecture and hardware**
- **Mixed media capabilities**
- **Software compatibility**
- **Expandability**
 - **Delivered 5 terabyte system**
 - **Expandable to hundreds of terabytes**
 - **Future technologies**

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AMASS Storage Management

- **Direct access to library**
- **Single large disk view**
- **Magnetic disk caching**
- **Database**
- **Systematic media checks to maintain Infinite File Life**

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Integration Services

- **Technical requirements analysis**
- **Computer systems sizing, configuration and tuning**
- **Custom software definition and development**
- **Acceptance testing**
- **Single responsible source for total archive solution**

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