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

## *Preserving Musical History*

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# Digital Archive Project

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- **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

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- **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

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- **“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**<sup>®</sup>  
Storage Management Software

# Preservation Process for Audio and Images

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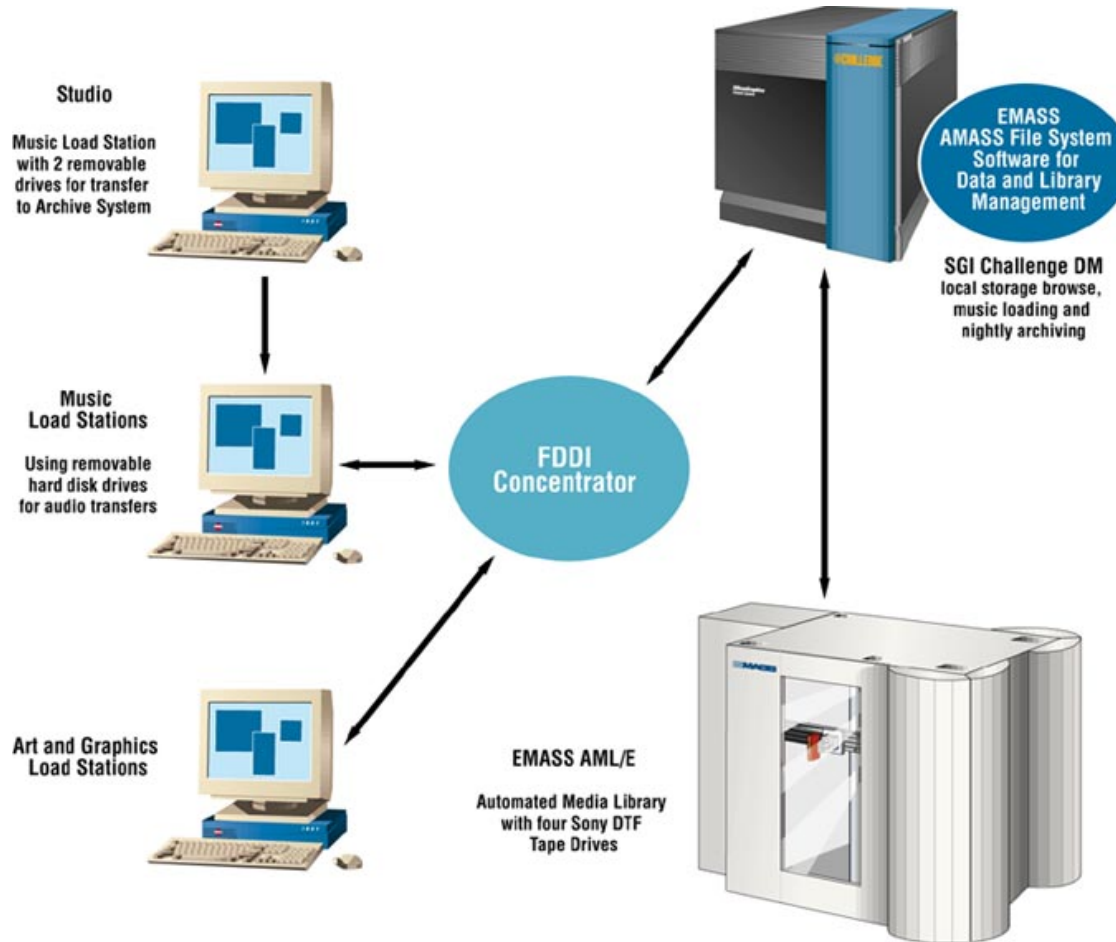
## **AUDIO**

- 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



*data storage solutions from*

# Sony Archive Configuration

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- **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

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- **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

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- **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

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- **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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