



**Professional Solutions
for
Archiving Beyond Digital**

Pro Archive Ltd.

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Problem: How to preserve information for future generations?



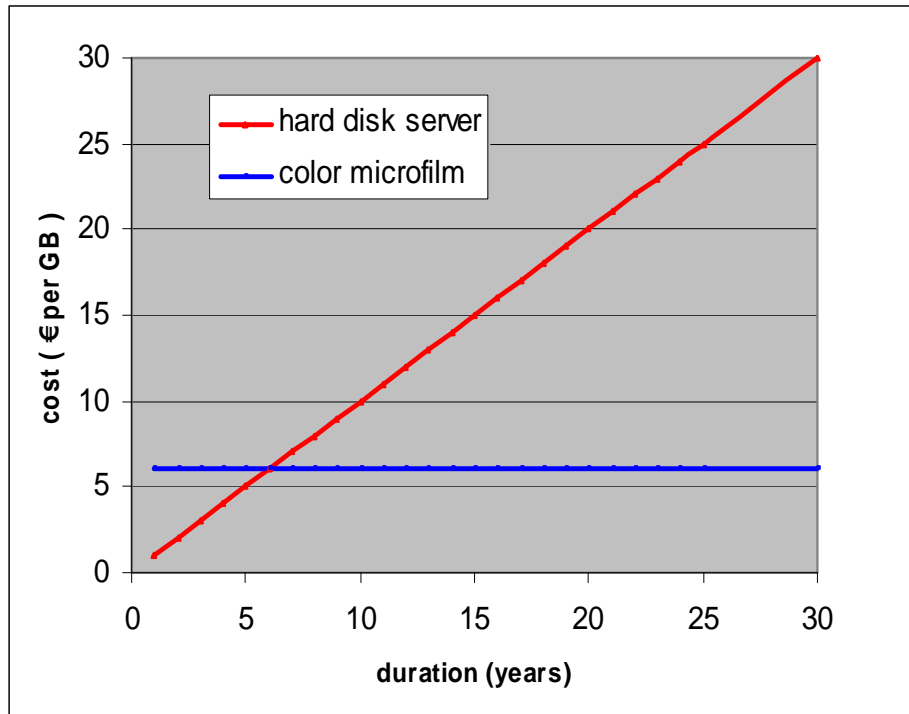
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The dilemma: Digital data archiving

- Archives have to be designed for decades up to centuries
- Because of the permanent technological progress of computer hard- and software the readability of digital data archives is severely jeopardised (the digital cliff)
- As a result, digital data archives require permanent and costly maintenance service and data migration



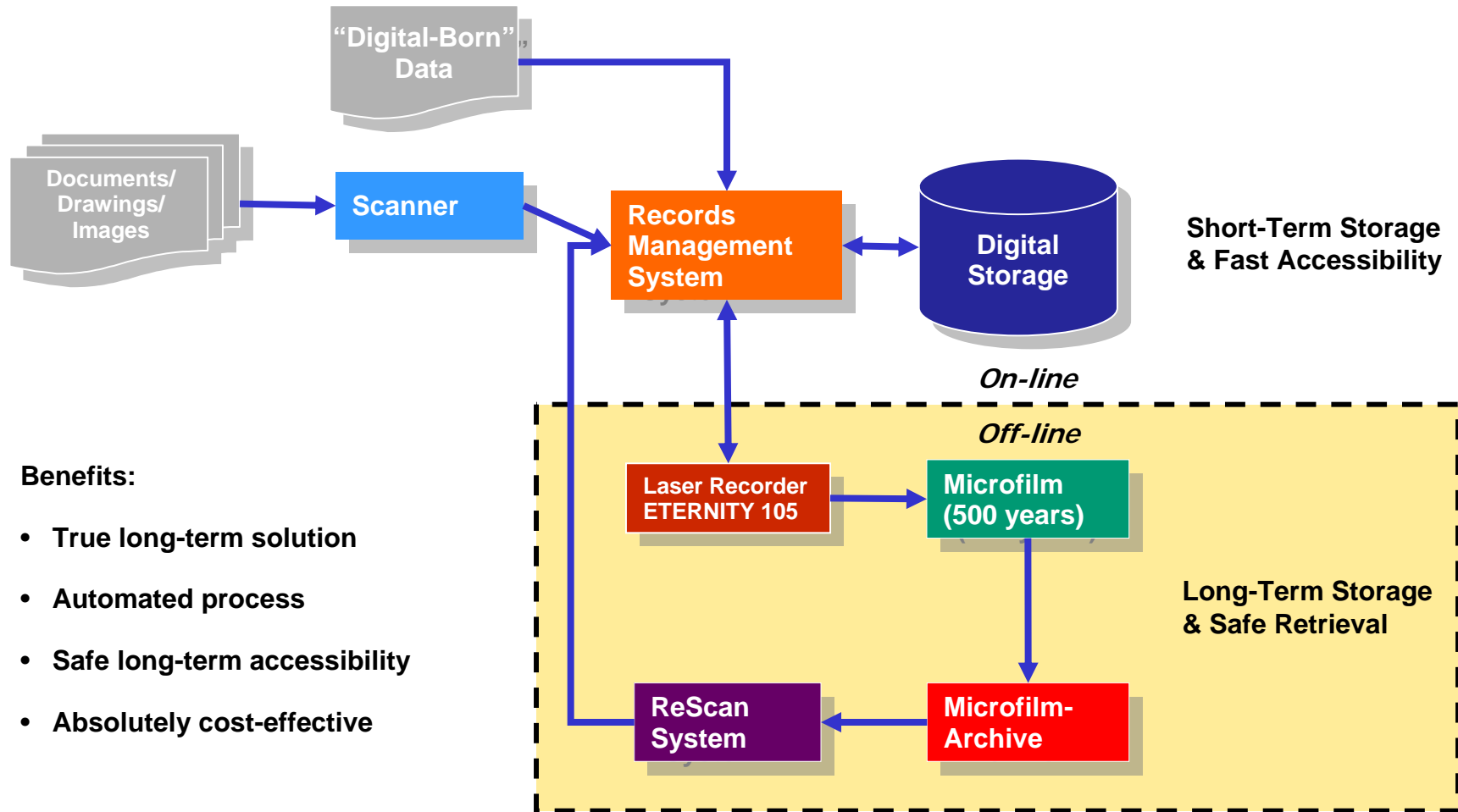
The digital dilemma: Total cost of ownership (TCO)



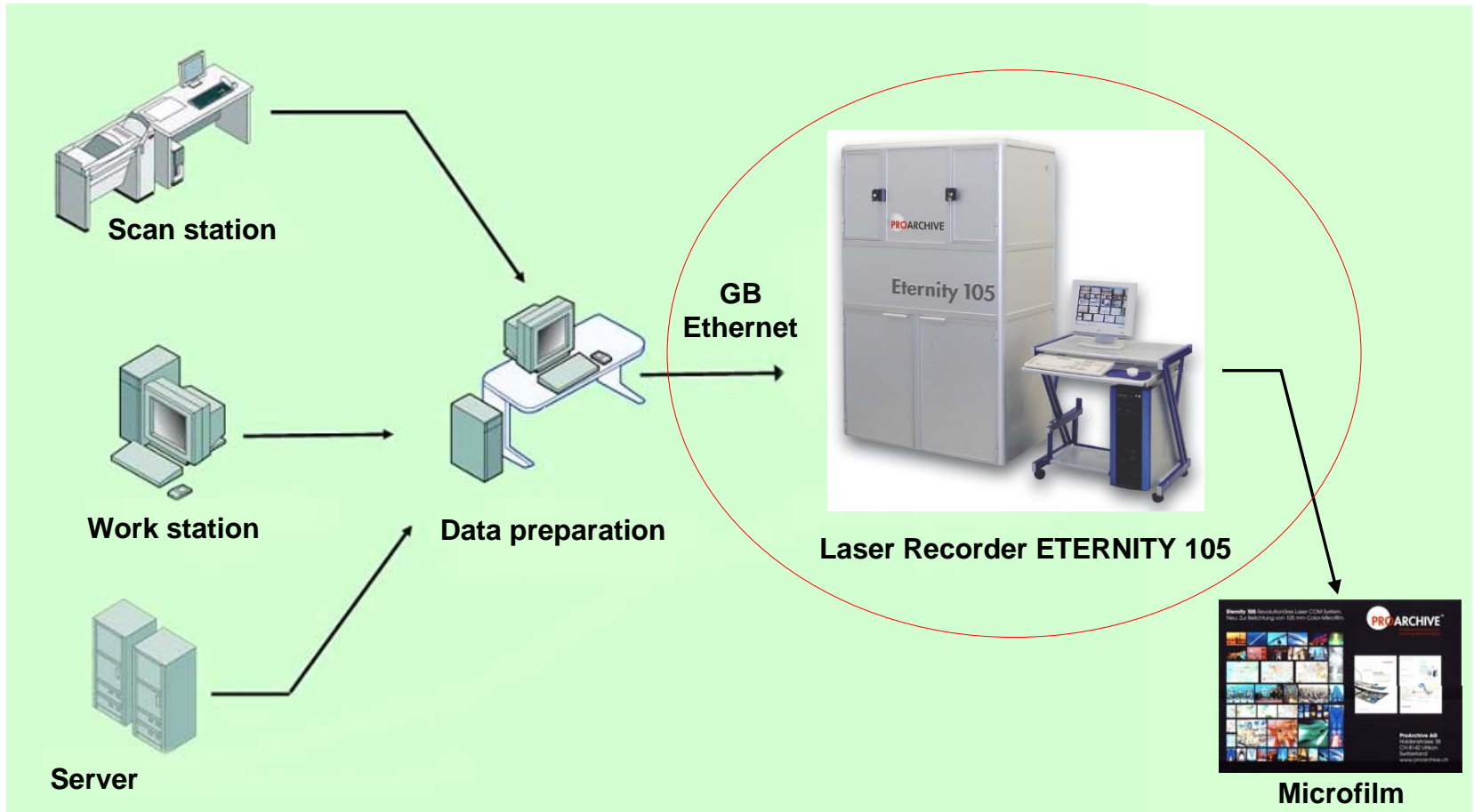
- **Hard disk server:**
initial (media) cost 0.2 €/ GB
running cost 1.00 €/ GB / yr
(San Diego Super Computer Center, 2007)
- **Color microfilm:**
initial (media) cost 6 €/ GB
running cost 0.01 €/ GB / yr

Conclusion: for data preservation beyond 10 years microfilm is the least expensive medium and requires no migration for 100 years

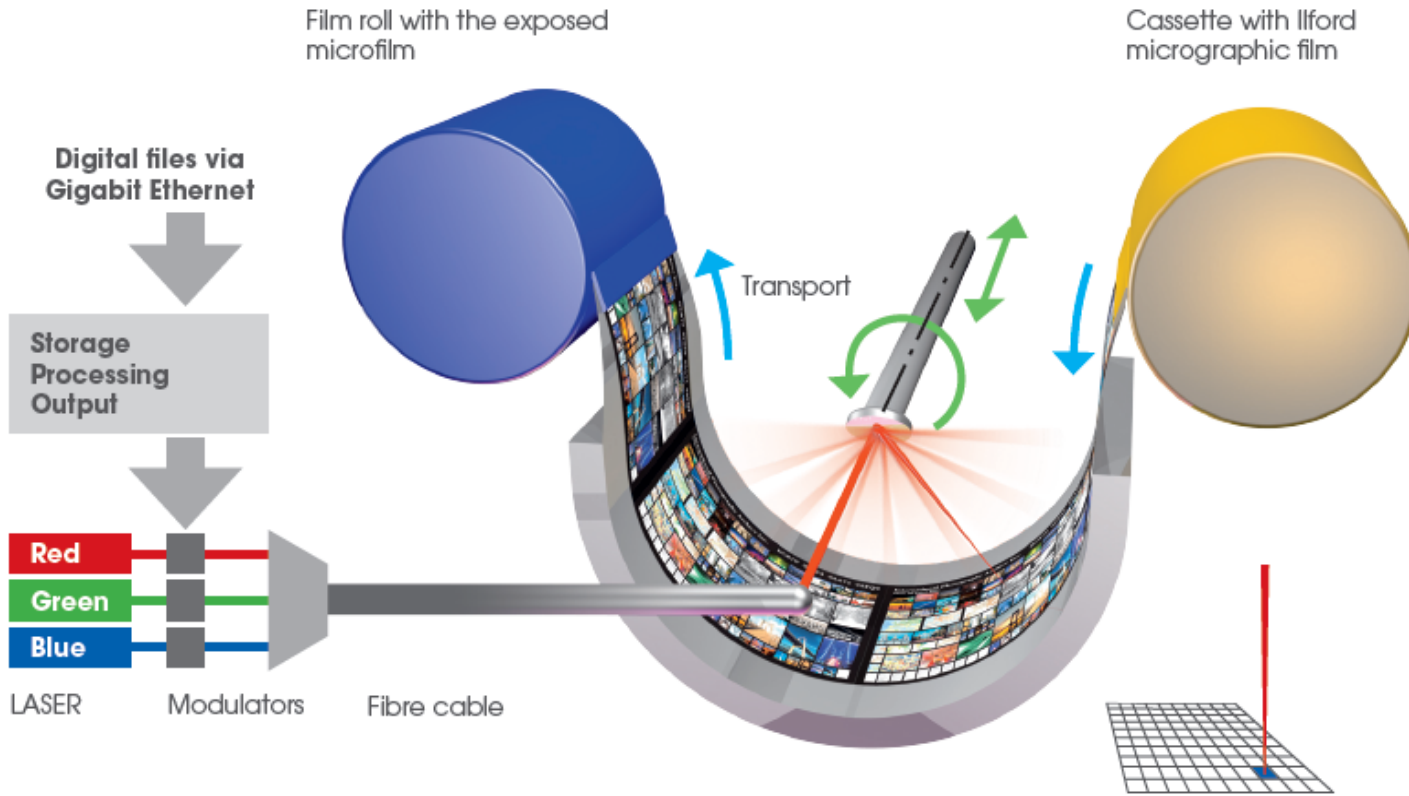
The solution: Combining IT and microfilm



Our product: Laser recorder ETERNITY 105



Technology



CH and US patent, EU patent pending

Unique selling propositions

- **Highest productivity: about 1 TeraByte per day**
- **Autonomous 7d x 24h operation**
- **Best color fidelity**
- **Highest resolution: 7,560 dpi**
- **Maximum layout flexibility**
- **35 mm and 105 mm film format**



Company



- **Pro Archive Ltd.:**
Swiss start-up company, founded 2005
- **Mission:**
Professional Solutions for Archiving Beyond Digital
- **Management:**
Dr. Daniel Fluck, CEO
15 years R&D experience in the field of LASER technologies;
Founder & CEO of a start-up LASER company until 2000;
Consultant for laser development and engineering since 2001;
Founder & CEO of Pro Archive Ltd.

Niels E. Rasmussen, Senior Sales Manager
more than 25 years of experience as sales manager for a
diverse range of international companies

Customers

All companies, institutions and individuals with archival storage needs for digital documents and images for 10 to 100 years:

- **Industry:** Manufacturing, Aerospace, Automotive, Nuclear Power Plants, Printing and Publishing, Pharmaceutical, Biotech (engineering drawings, patents, technical manuals, newspapers, books, etc.)
- **Public:** State and Local Government, State and Federal Departments, National and University Libraries, National Archives (plot plans and land-use records, publications, collections)
- **Medical and Health Care** (MRI, X-Ray, CT, DSA and other patient images)
- **Consumer:** personal photographic collections