A New Approach to Offsite Storage
Jeremy Suratt – Director, Product Management
November 3, 2016
Who have we consulted?

Consultants

**Lizanne Payne**
Shared Print Program Officer at HathiTrust. Previously a consultant to libraries, consortia and related organizations including Harvard University, Eastern Academic Scholars Trust, Western Regional Storage Trust and Statewide California Electronic Library Consortium. Former Executive Director, Washington Research Library Consortium and Manager, OCLC.

**Matthew Sheehy**
Interim University Librarian at Brandeis University, former Assistant Director of the University Library for the Harvard Depository. Independent consultant.

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**Who have we consulted?**

- Princeton, New York Public Library, Columbia
- Boston advisory: Feb 26, 2015
- West Coast advisory: April 30, 2015
- Consultants:
  - Lizanne Payne
  - Matthew Sheehy

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**British contacts**

- The British Library
- Explore the world’s knowledge

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**Other contacts**

- General contacts
- British contacts
- Other contacts
- [List of organizations]

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**Boston advisory**
ReCAP The Reserve Collections and Preservation Consortium
(Princeton, New York Public Library, Columbia)

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**West Coast advisory**

- Occidental College
- UCLA
- CDL University of California
- CDL University of California
- Cal Poly
- Caltech
- Cal State Fullerton
- Cal State Long Beach
- California State University Fullerton
- California State University Northridge
- University of California, Berkeley
- University of California, Irvine
- Brown University
- Yale University
- Middlebury College
- University of Chicago
- The University of the Pacific
- University of Southern California
- University of Oregon
- Harvard Law School
- Shepley Bulfinch

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<table>
<thead>
<tr>
<th>Description</th>
<th>Long-term Archiving for Large Institutions and Consortia (Anchor Tenant)</th>
<th>Long Term Archiving &amp; “Swing Space” Service for Individual Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preservation</td>
<td>Long term preservation and access service</td>
<td>Short term storage and access service</td>
</tr>
<tr>
<td>~ 100 year Preservation Index (PI), preservation envelope, hypoxic environment</td>
<td>Broad spectrum, including ambient to near freezing</td>
<td></td>
</tr>
<tr>
<td>SLA</td>
<td>Unmediated access to content through ILS (online catalog). Delivery via physical or digital documents with next business day or two-day delivery options</td>
<td>Standard Records Management pricing, where the price will depend on the specific options chosen. The average price for climate controlled is $0.66/book/year, and ambient is $0.45/book/year.</td>
</tr>
<tr>
<td>Cost</td>
<td>Estimate by the book (bundled storage, and retrieval/delivery for up to 2% circulation is approximately $0.50/book/year) Billed by the cubic foot</td>
<td></td>
</tr>
<tr>
<td>How is it delivered?</td>
<td>New ASRS high density storage system. Deployed in new or existing buildings</td>
<td>Via existing Records Management Service</td>
</tr>
<tr>
<td>When and where?</td>
<td>Seeking anchor tenant partner</td>
<td>Today in records centers that have available capacity</td>
</tr>
</tbody>
</table>
Preservation Service: New ASRS Storage System

**Traditional Harvard-Style**
- 27% storage density
- Wet pipe, in rack – risk of water damage from leaks
- 60F/40% RH
- No utilities on roof

**New Iron Mountain ASRS**
- >60% storage density
- Low oxygen fire suppression – eliminates water risk
- 60F/40% RH with ability to create micro-climates
- No utilities on roof
- No lights in vault (increased PI/low energy)
- Robots work 24/7 at a lower cost than people
- Decreased potential for misfiling

*Lower cost, greater preservation index and less risk of water damage*
IM ASRS Storage Module

Steel construction

Shelves on both sides

Uniform size with 4 different shelf configurations to optimize book density within storage module

Vertical separators will be placed on shelves to create segments, which will be used to ensure customers content is stored separately

Separate unit with the same external dimensions designed to store boxes stacked 1 high

Two deep
Sample Simulation (Half System)
Lessons Learned

- The need and willingness exists
- Challenge to gain agreement/alignment within institution
- Business speed doesn't align with library decision process
- New public-private-partnership business models are needed
- IM’s Secure Logistics capability is a good match for library moves
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