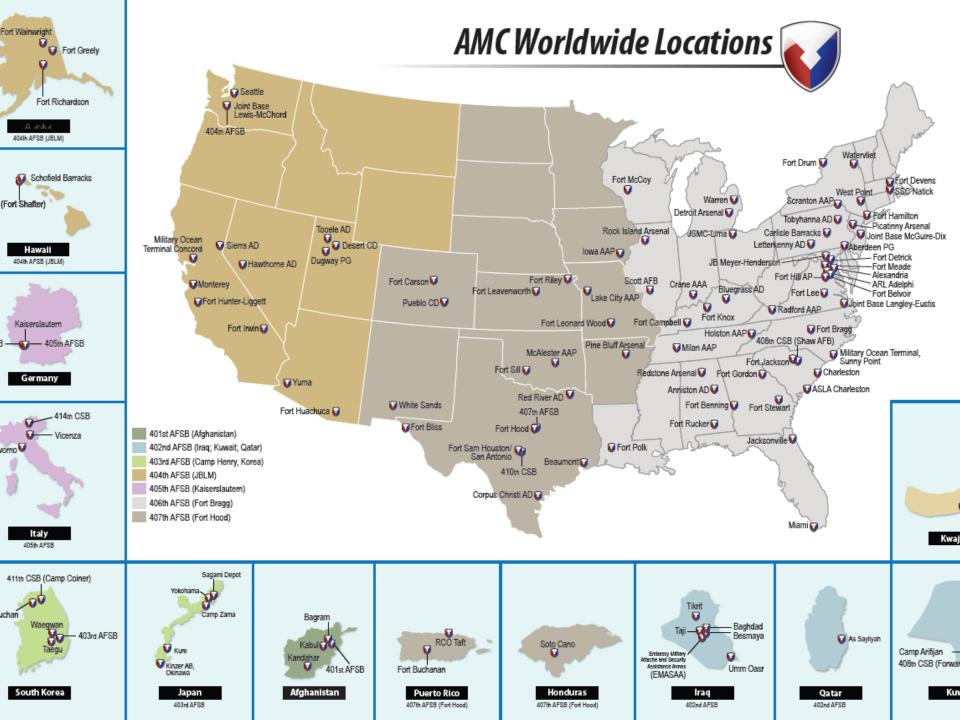
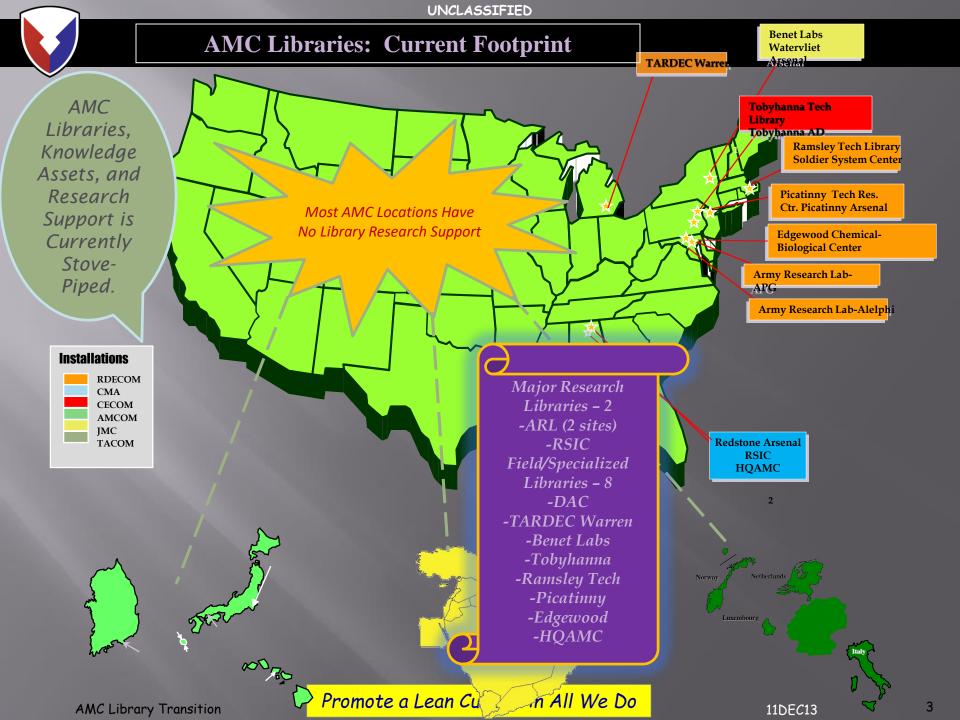
Army Materiel Command









AMC Libraries Historical Perspective

Bu	d	get
υu	u,	500

FY12 - \$13,635,171

FY11 - \$14,494,595

FY10 - \$13,703,724

FY09 - \$11,556,640

Trend: Increase = 15%

Customer Service Actions

FY12 - 1.8M

FY11 - 1.4M

FY10 - 1.3M

FY09 - 1.4M

Trend: Increase = 29%

Registered Users = 14K+

Personnel Strength

FY12 - 41

FY11 - 47

FY10 - 49

FY09 - 56

Note: By FY14 Personnel Strength will be 39

Trend: Decrease = 27%

Assets

-Books (hardcopy) - 485,566

-Books (electronic) - 40,671

-Periodical Titles (H) – 5,083

-Periodical Titles (E) - 9,264

-Tech Reports (U) - 477,841

-Tech Reports (C) - 61,314

-Misc - 2,021,995

(M-film; Aperture cards; Lab notes, etc.)

-Physical space - 2012 = @90K sq.ft.

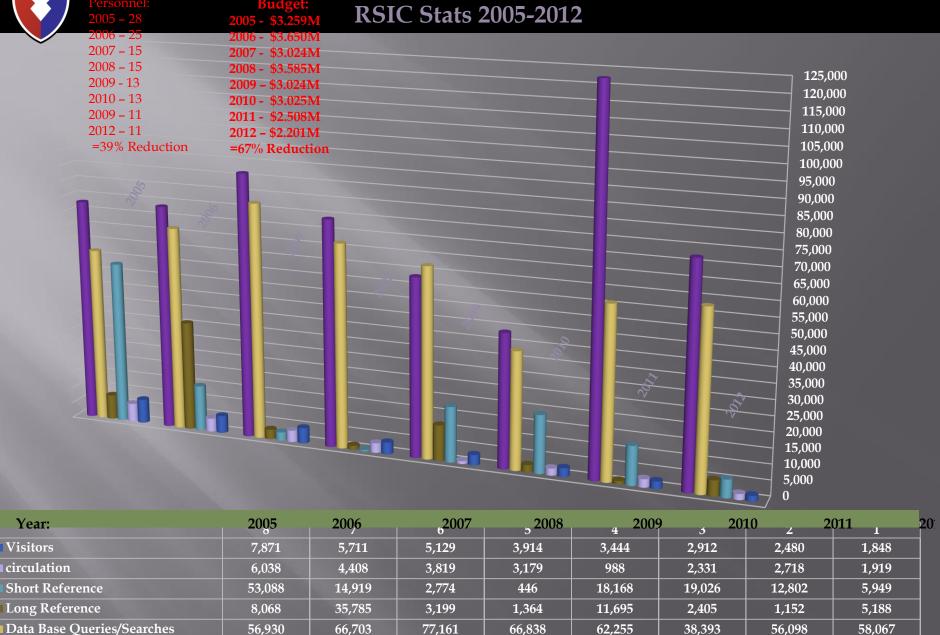
(2008/2009 = 140K sq. ft. Figures are from RSIC;

ARL; and Picatinny)

Trend: Decrease = 30%



Year:



72,842

Items Viewed in Subscription Svcs

86 425

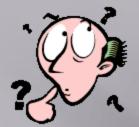
122,407

43,692

72,205



Google Syndrome: The Challenge



Journal of Materials Science (Volume:18 Issue:7 Pages: 2173-2180) Nagesh, VK., "Wetting and Reactions in Lead Borosilicate Glass Precious Metal Systems".

- tors that Affect the Precision of Mechanical Tests" STP1025-EB. ividual articles of the highest interest to me are:
 that Affect the Accuracy of Indentation Hardness Tests" STP24011S An Alternative Method for Measuring Microindentations" STP24010S
- 3. "Consolidated Product Statistics Rotorcraft Forcast Worldwide This spread sheet includes producer, address, contact points, rotorcraft mission cost, list of estimated production from 2013 for the next 10 Year plus the estimated costs. Names of individual systems and markets

- 4. C4I Consolidated Production Statistics Forecast Worldwide -Same info as request 3, except for C4I
- 5. ASTM D7426 08 Standard Test Method for Assignment of the DSC Procedure for Determining Tg of a Polymer or an Elastomeric Compound.
- 6. "Chemorheology of Polymers" From "Fundamental Principles to Reactive Processing." By: Halley, Peter J.; George, Graeme A. C 2009 Cambridge
- 7. "Attention enhances synaptic efficacy and the signal-to-noise ratio in neural circuits" Farran Briggs, George R. Mangun, & W. Martin Usrey. (Note: Must return the citable, version of record)

Good luck!





11DEC13



Google Syndrome Busted

ZIP

NADA

NOTHING



AMC Technical Libraries as a Critical Knowledge Asset



• 1.8M Customer Service Actions in FY12, accomplished by 41 AMC Librarians and Staff

•14K+ Registered AMC Customers

(1.8M * 30) - \$13,635,171 * 100 = 296%\$13,635,171

Cost Effective • Budget: \$13,635,171----ROI = 296% to AMC

• Proven Programmatic Cost Avoidance of \$5M/yr (Consolidation of standards/spec procurement)

Further **Initiatives**

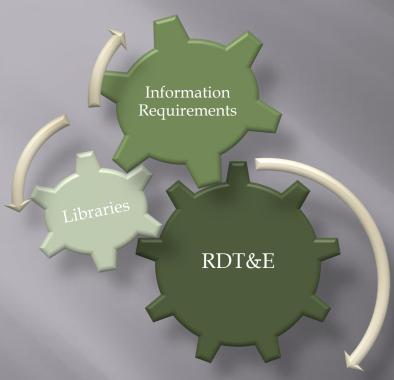
- Single Server Integrated Library System
- Opportunity for further cost avoidance through consolidated procurement
- Tie-in with Virtual Lab Initiative

Unique Services

- Most concentrated Aerospace/Aviation/Missile / Ground/Weapons/Soldier Systems research collection and support in the world, valued in the \$Billions
- Primary customers are AMC Scientists, Engineers, and Life Cycle Maintenance professionals
- Dedicated to the AMC Mission and Soldier Support
- Proposal to become the National Library for Scientific Research and Development



Requirements/Benefits



CONSOLIDATION
OPPORTUNITIES:
-SERVERS
-CONTRACTS
-RESEARCH CENTERS
-RESEARCH MATERIALS
-EXPERT RESEARCH SUPPORT

Opportunity Cost

- 14K Registered Customers/47 Library Staff
- 1.4M Customer Service Actions in FY11
- Annual Opportunity Cost for AMC = \$18.8M per 1K Scientists/Engineer saving 4 hours searching per week
- (\$82/hr Engineer vs \$52/hr Librarian)

Research Experience

- Experts in Information Content Management
- Expert Research Support
- Prepositioned Research Content
- FY11 918,006 downloads from 273,571 searches (3.35 hits per search)

Support

- Single Server Initiative CBA/Econ Analysis/IT Support on board
- AMCIO / AMCTO Supports
- RDECOM



Cost Benefit Analysis: EXSUM

- This CBA recommends that course of action (COA) 2, AMC Libraries be moved to consolidated procurement footing. Cost/benefit summary of this COA is:
- COA 2: 5 year project life.

Net Benefits -	\$ 9,933,917

Total Benefits -\$13,073,783 (Current Dollars) \$ 3,139,866.00 (Current Dollars) New Investment Cost -\$ 8,844,554 (Discounted Dollars) Net Present Value (NPV) -

Benefit to Investment Ratio (BIR) -4.180 Savings to Investment Ratio (SIR) -4.180

1.613 years Payback -

- The value proposition of this COA and this overall CBA consists of a balance of cost savings, capability, impact on mission, proof of concept, and customer service.
 - Capability: A consolidated, mostly digital, AMC Library service allows the customer to perform multiple search, retrieval, and production functions from the desktop through a single portal.
 - Impact: Hard cost impact is noted above. Secondary impact is reduced research process time and reduced physical space requirements:
 - 1. Process Time: Reduced search/retrieval time due to efficiency of scale produces \$9.4M/year cost savings for AMC. Or, in other words \$755K opportunity costs per month. (Based on 2 hours search/retrieval saved per week x 1,000 engineers.
 - 2. Physical Space: Analysis of hard copy materials in terms of circulation within AMC Libraries reveals that only 3.15% circulates per year. We anticipate 10K square feet of physical space saved through reduction of hard copy collections. That space produces a cost value of \$2.4M/year (Based on DoD Unit Price Guide; UFC 3-701-12, i.e. \$238.90 sq. ft.)
 - Proof: Consolidation of industry standards/specifications in AMC nets a hard cost savings of \$5M per year through reduction of contract actions and reduced vendor costs.
 - Cost: Cost savings are had in terms of reducing redundant purchases, and purchasing most S&T journal articles on as-needed basis.
 - Total Value Proposition: \$84M over 5 year life cycle.



AMC Library Transition Vision

Budget

- -Anticipate flat funding.
- -Consolidate all multiple contracts
- -Single Server (Consolidation of AMC Library online catalogs) nets \$1.6M/yr.
- -Proven: Stds/Specs procurement validated at \$5M/yr cost savings
- -All purchases cost/benefit tested
- -e.g. Subscriptions: usage must outweigh cost
- -e.g. Hardcopy only when not digitally available

Customer Service Actions

- -Access over Ownership
- -More research power at RDT&E desktop
- -Utilize discovery tools that cover the entire spectrum of RDT&E
- -Utilize enterprise portal for current awareness; trends; developments based on customer profiles
- -Emulate RSIC charter to support tenants, expanded to enterprise level

Personnel Strength

- -Anticipate reduced personnel strength
- -Reset task focus:
 - -Embedded Library staff
 - -Enable research vice "Do" research
 - -Right Information, Just in Time
 - -Enterprise vice Local focus

Assets

- -Consolidate personnel/online catalogs/funding to create enterprise AMC Library
- -Anticipate reduced personnel and physical assets in line with fiscal reality
- -Increase digital footprint
- -Stay ahead of requirements
- -Aggregation/Consolidation of Assets
- -KM Interface

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