Session Title: Digital Transformation Starts at Capture: Converting Paper into Al-Ready Data

Session Description: Forward-thinking organizations recognize the untapped potential within their paper archives - both as valuable training data for AI and as a way to reduce physical storage costs. Yet the key to unlocking this value lies in getting data right from the start. This session reveals how intelligent capture workflows not only prevent costly downstream errors but transform decades of business information into Al-ready digital assets. By streamlining your capture workflow, you can validate data accuracy at the point of entry, eliminating expensive cleanup efforts while boosting productivity across your organization. Through practical examples, we'll explore proven capture solutions that address common business challenges like invoice processing, customer onboarding, and compliance documentation. By the end of this session, you'll have actionable strategies to harness the hidden value in your paper archives and build a capture foundation that delivers the clean, reliable data your AI initiatives need to succeed.

Digital Transformation Starts at Capture

Converting Paper into Al-Ready Data

April 2024





Poll Question: What industry segment are you from?

Government – (FED, ST, or Local)

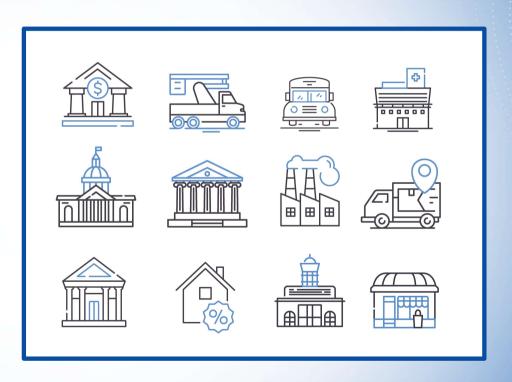
Healthcare

Financial

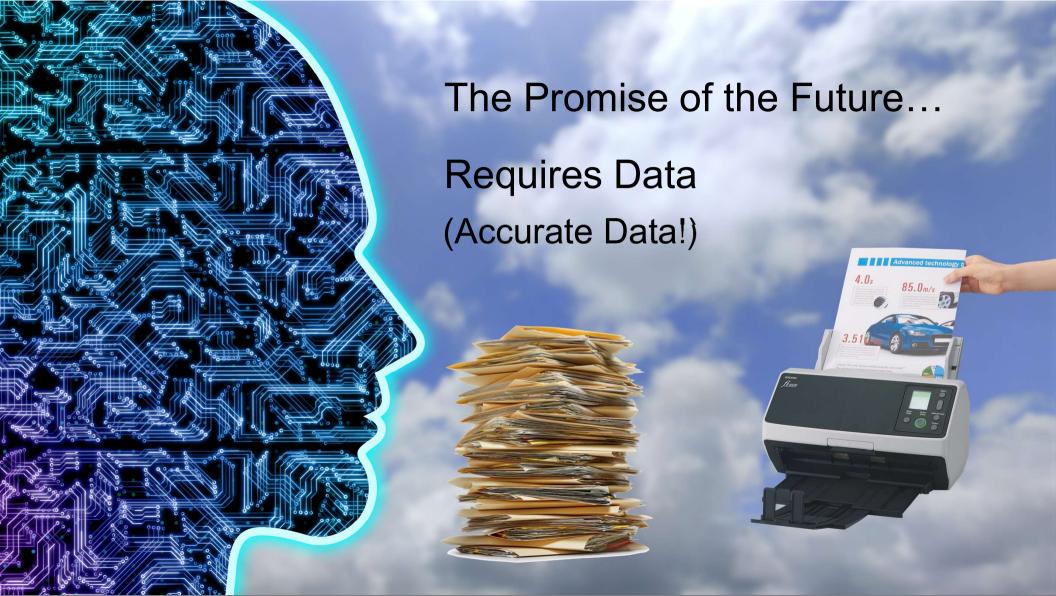
Education

Manufacturing

Other







Best Practices for Data Hygiene

Capture your data with the correct equipment & settings

Identify and remove redundant data from file archives

Classify & index your data

Implement metadata for access rights

Anonymize / Redact Sensitive Information

Chain of custody – Who, Where, & When, and How

Document Relevance/Ranking



Poll Question: Is your company or organization storing paper records?

Yes, we're storing them on-site

Yes, we're storing them off-site

Yes, we're storing them on-site and off-site

No, we're 100% Digital



The Cost of On-Site Document Storage



City	Average Cost (sq ft)	File Cabinet 44" x 21"
San Francisco	\$61	\$394
Seattle	\$38	\$246
Chicago	\$34	\$219
Dallas	\$27	\$172
Atlanta	\$27	\$173
New York City	\$80	\$514

What is the actual cost?

Storage

Retrieval

Risk

Insite

Poll Question: How much time do employees spend searching for data? (40 hour work week example)

4 hours

10 hours

20 hours

More than 20 hours



Poll Question: On average, what percentage of business decisions are based on data?

75-100% (Almost all of the time)

50-74% (Usually)

25-49% (Occasionally)

0-25% (Seldomly)



Is Your Company Making Data-Driven Decisions?

58% of respondents to a BARC survey¹ showed that managers are making decisions "On the cuff" or based on a "Gut Feel"

When your employees can't find data, they're left to their own devices to compensate.

This can cost your company money, drain productivity, and cause a loss of customer trust.

Not being able to find accurate data quickly is the top reason employees bypass it.





The Mystery of Dark Data

Data that you're storing, but not using

Unstructured and unclassified...and a potential value or risk to your organization

Includes data from employees who have left the company or moved departments

It could be 50% of an organization's data...or more. How much do you have?

How much of that data is on paper? In network file shares? In legacy systems?

Data is the key to future business success.

Organizations that can harness dark data will have an advantage over their competition.

Poll Question: On average, how much does a data error cost an organization?

\$25 (About a dozen eggs)

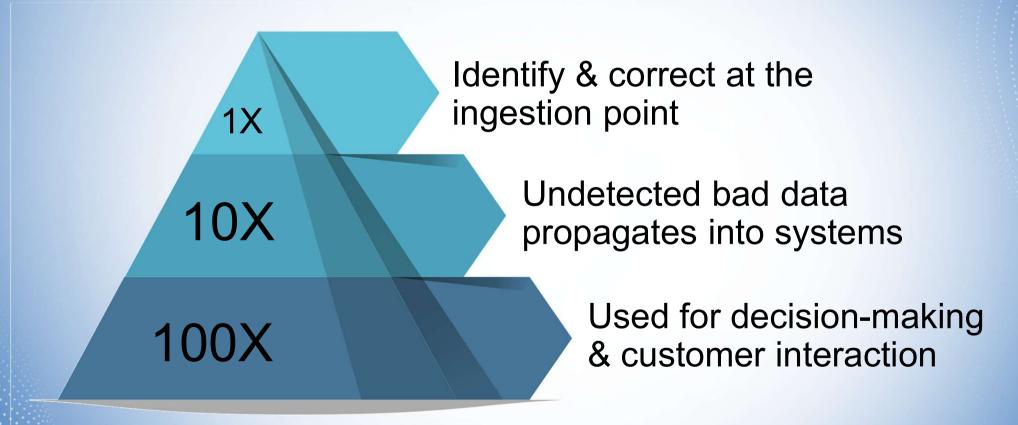
\$50 (Half tank of gas)

\$75 (2 drinks & a hot dog at the game)

100\$ or more!



The Rule of 1:10:100 - The Cost of Data Errors





The True Cost of Data Errors For Scanning Capture Workflows

Significant productivity loss, especially if the error is detected downstream

Al data hallucinations

Customer dissatisfaction and loss of trust / reputation

Regulatory fines for PII breech

Bad business decisions based on inaccurate data

"Conversion projects are labor intensive and take much longer than expected"



These are some of the challenges with document scanning workflows and archive projects



Pre- and post-scan processing is laborintensive and costly



Manual classification and data entry waste time, resources, and are errorprone.



Forms are dataintensive and may have sensitive data



Workflow bottlenecks can stall information processing



Capture solutions can be cost-prohibitive



Not all capture devices are optimized for highquality image output and volume scanning

Capture Workflow Bottlenecks Can Stall Information Processing



- Too many steps for scanner operator
- Potential for errors
- Reduces throughput
- Hinders customer engagement
- SCAN
 QC
 Index
 Name File
 Choose File Location

Poll Question: What type of devices do you use to scan paper documents?

Document Scanners

MFPs

Both document scanners & MFPs

None of the above



Components of an Intelligent Capture Workflow













Best in Class Scanning

Ricoh Document Scanners combine excellent paper handling and stellar image quality to ensure that documents are quickly and reliably digitized

Intelligent Image Processing

Automated document processing removes image artifacts and background noise to improve recognition accuracy & enhance the presentation of images

Advanced File Separation

Versatile multi-page document separation capabilities maximize scanner ADF capacity & overall throughput by reducing manual processing requirements.

Automated Data Extraction

Utilize a host of different methods to classify & index documents to extract information and accelerate retrieval in content management systems.

Effective Quality Assurance

Streamline QA workflow with an easyto-use visual UI assisted by innovative features to highlight & correct difficult images.

Multi-Station Architecture

Scale the size, speed, and capacity of the capture solution by distributing the scanning, indexing, and QA workflow over multiple stations.

Seamless Integration

Multiple integrations with content management and cloud service solutions allow for fast and easy transfer of documents & metadata.







The Right Tool for the Right Job!











Image Quality



Data Integrity



Reliability



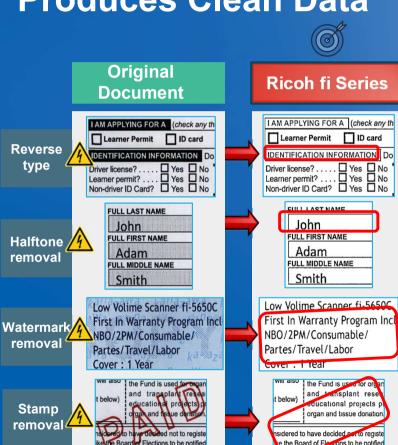
Easy to Use



Automatic



Image Enhancement Produces Clean Data







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PaperStream Capture Pro



Capture Pro

Automatic Document Separation Saves Time & Accelerates Capture Workflow

































Document C Page 3

Automatically separate and name multi-page files & storage file folders to accelerate capture workflow.



Capture Pro



Form Separation Demo

Poll Question: How does your company or organization add metadata to your scanned documents?

Manually entering the data (e.g. Key from image)

No metadata, we're just creating searchable PDF files

Using automation (Zonal OCR, IDP, RPA, etc.)

We're not scanning documents



PaperStream

Capture Pro

Metadata Options























"Hand-printed forms are still a thing"



Capture Pro



Handprint Recognition Demo

Capture Pro



Multi-Form Processing

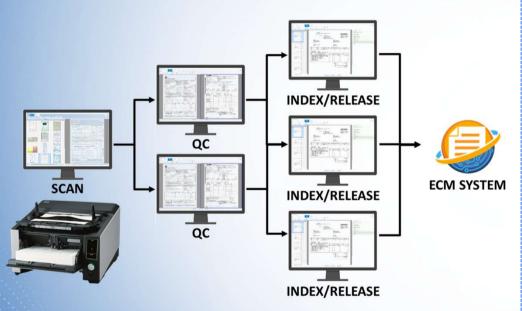
"We need to distribute our capture workflow"

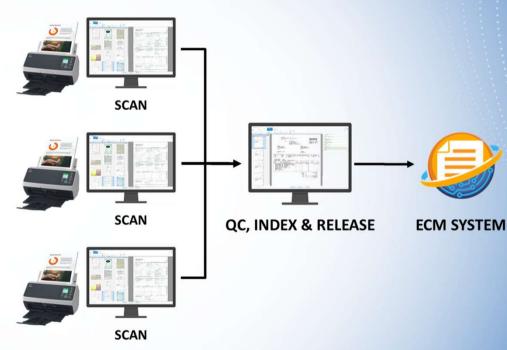


PaperStream Capture Pro

Multi-Station Processing Accelerates Capture Workflow!





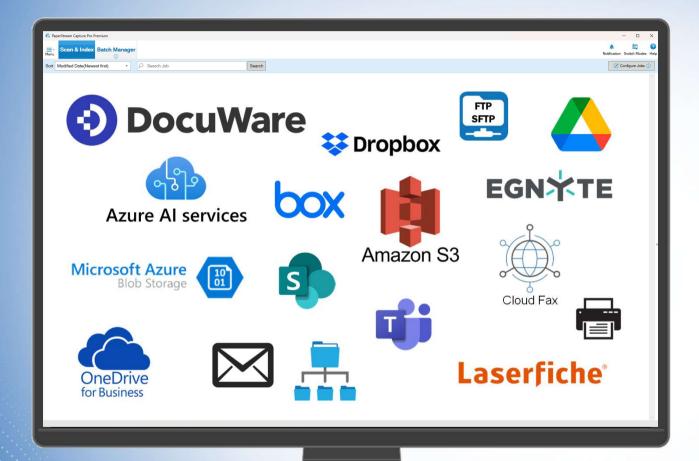


"We need to protect confidential information"



PaperStream Capture Pro









Direct Application Integrations Streamline Capture Workflow & Reduce Manual Processing

Capture Pro



Application Integration

Contact us to learn more!







Come by our booth to see our scanning & software solutions in action











Thank you!