Chemistry™ – Powered By Solimar Systems

INTELLIGENT AUTOMATION

THE GATEWAY TO WORKFLOW-DRIVEN AI

SOLIMAR SYSTEMS

REVSPRING SUCCESS STORY

How universal workflow automation integrates with BCC Software and enables great ROI & postal savings

AGENDA

- Solimar at-a-glance
- Introducing Eric Hollingsworth
- RevSpring platform
  - Integrated address cleansing
  - Industrial PDF optimization
- Solimar & BCC Partnership
- Q & A

Mary Ann Rowan
Chief Experience Officer
SOLIMAR SYSTEMS

Eric Hollingsworth
Vice President of Operations
RevSpring™

InfoXchange™ CHICAGO 2024
AUGUST 12TH - 15TH

2024 Solimar CAC Customer Advisory Council Members

Advantage ColorGraphics

of Tennessee

BORNS GROUP

Broadridge

CATHEDRAL CORPORATION

THE CINCINNATI INSURANCE COMPANIES

CONDUENT

THE DOT CONNECTS

doxim

Epsilon

express

Giesecke+Devrient

FSSI
Document Outsourcing Specialists

GILMORE DOCULINK

Impact
Power to Connect

ims,inc.

IWCO
Making Better Happen℠

JOHNSON & QUIN, INC.

SINCE 1892
KENNICKELL GROUP

KUBRA

MAIL COMMUNICATIONS GROUP

MATRIX

MAYO CLINIC

OSG

otpbank

RevSpring

PINNACOL ASSURANCE

rrd
COMMERCIAL & DIGITAL PRINT SOLUTIONS

ids
Integrated Document Solutions

variverge
data+print+mail

VERICAST

VIATECH

DES
Washington State
DEPARTMENT OF
ENTERPRISE SERVICES

Western & Southern Financial Group

WOLVERINE
SOLUTIONS GROUP

Post-Composition DIGITALLY RETROFITS Data and Documents for Print, Finishing & eDelivery

INCOMING APPLICATIONS

BOOKS
LABELS
PRINT ON DEMAND
RAW DATA
TRANSACTIONAL

COMPOSITION & DATA MANAGEMENT SYSTEMS

- COMPOSITION
- MIS SYSTEMS
- HOME GROWN APPLICATIONS
- POSTAL CLEANSING
- STOREFRONTS
- CAMERAS

PRINT MANAGEMENT & WORKFLOW SOLUTIONS

CHEMISTRY™
POWERED BY SOLIMAR

OPTIMIZED OUTPUT MANAGEMENT & MULTI-CHANNEL DELIVERY

CLIENT PORTALS

ACCESSIBILITY PDF/UA

E-DELIVERY ARCHIVES

EMAIL, TEXT, SOCIAL MEDIA

InfoXchange™ CHICAGO 2024
AUGUST 12TH - 15TH

Create Optimized PDF from Any Print Stream

INCOMING PDLs	OUTGOING PDLs								
	AFPDS	HTML5	IPDS	METACODE	PCL	PDF	POSTSCRIPT	TIFF	XML
AFPDS	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPDS	✓	✓	✓	✓	✓	✓	✓	✓	✓
LCDS/METACODE	✓	✓	✓	✓	✓	✓	✓	✓	✓
LINE DATA	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCL	✓	✓	✓	✓	✓	✓	✓	✓	✓
PDF	✓	✓	✓	✓	✓	✓	✓	✓	✓
PostScript	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIFF	✓	✓	✓	✓	✓	✓	✓	✓	✓
VIPP®	✓	✓	✓	✓	✓	✓	✓	✓	✓

PDF Centricity

JDF Reporting

Live Visibility

Householding

Optimized for:
– Print
– eDelivery
– Archive

DIY Templates

Postal Savings

Data Security

Accessibility

Universal:
Direct Mailers –
Transactional –
In-Plants & more –

SOLIMAR SYSTEMS

RevSpring™

Eric Hollingsworth

Vice President of Operations
Solimar CAC Member

InfoXchange™ CHICAGO 2024
AUGUST 12TH - 15TH

RevSpring Workflow Automation

RevSpring

ONBOARDING & DATA CONVERSION

Maestro™
Print Service and Production

Communications order management and tracking solution (PDF Files)

SOLIMAR® PRINT DIRECTOR® ENTERPRISE

Data streams are converted to PDF & PostScript for processing & print

AUTOMATION & DATA INDEXING

SOLFUSION™

SOLfusion automates Solimar data indexing and Rubika workflows

SOLIMAR® INDEXING TOOLS

PDF jobs are indexed to support Rubika workflow modules

PDF OPTIMIZATION & DOCUMENT RE-ENGINEERING

READYPDF®

Reduces PDF files size, optimizes spot and B&W output, embeds and consolidates fonts, and removes unwanted objects and image transparency

Obfuscates sensitive data to send to vendors for troubleshooting jobs

RUBIKA®

- Assembly/ Concatenate
- Finishing
- Commingle
- Import/Export
- Marking
- Overlay/ Underlay
- Add Annotations for Processing & Commingle

PRODUCTION PRINTING

COMPASS
Internal Application

COMPASS commingles optimized PDF jobs to make print-ready files

BLUECREST®
ENTERPRISE MANAGER

Routes print-ready jobs to production printers

PRINT & MAIL

High-Speed Inkjet Production Printers

Completed print jobs are sent to insertion devices for mailing

CHEMISTRY™
POWERED BY SOLIMAR

Postal Cleansing Workflow

RevSpring™

1 Onboarding PDF Jobs

PDF Files Received from Queues

2 RUBIKA®

Concatenate PDF Files

Incoming PDF files are concatenated into batches

3 SOLIMAR® INDEXING TOOLS

Index and Export

Address fields are indexed and exported

4 Postal Cleansing

BCC SOFTWARE
A BLUECREST COMPANY

BCC Software receives indexed CSV data to perform address cleansing via NCOALINK®, CASS™ and PAVE™.

CSV

Updated CSV file is sent back to Rubika for additional processing.

5 RUBIKA®

Import and Remove

Corrected addresses are applied and undeliverables are separated out

Sort Mailpieces

Pieces are sorted in the job based on rules from BCC

READYPDF®

PDF Optimization

6 Print-Ready File Creation

COMPASS
Internal Application

COMPASS commingles optimized PDF jobs to make print-ready files

Print-ready files are routed to 3 print factories (18 different printers) to be printed, inserted and mailed

7 Production Print, Insertion & Mail

PRINT FACTORY 1

PRINT FACTORY 2

PRINT FACTORY 3

18 PRINTERS
CF & CUT-SHEET

RevSpring –PDF Optimization

RevSpring

FTP Upload

Customer uploads a zip file containing multi-page PDFs per addressee.

Upload Workflow

Customer-composed PDFs merged into one PDF and moved to ReadyPDF input hot folder.

ReadyPDF Optimization

RGB -> CMYK

Embed missing fonts

Substitute Type 1 fonts

Flatten transparent graphics

Remove unwanted objects

Optimize file size

Maestro Job Created

Corrected file processed and comingled with other customer documents.

Print Job Created

Combined print job sent to a location for printing.

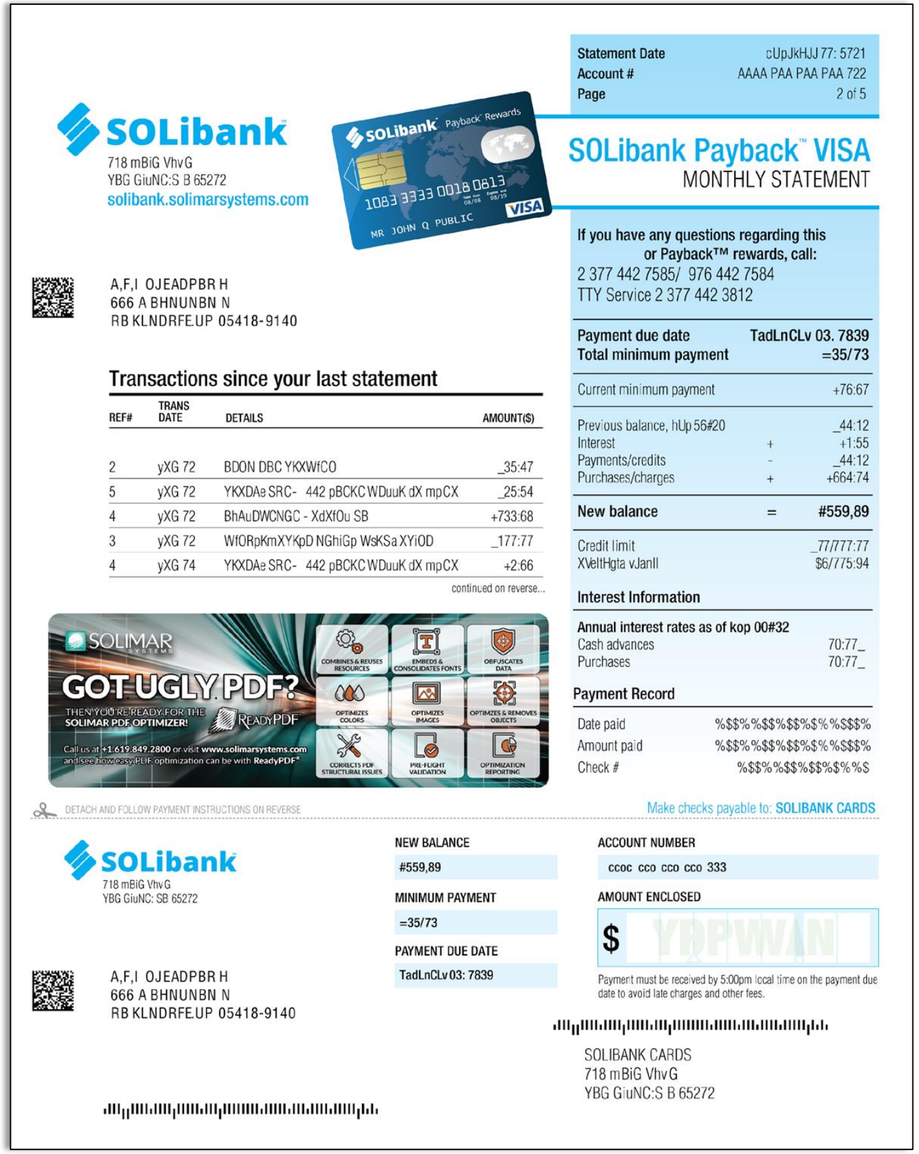
ReadyPDF run on combined print job

RIP

If print job is unsuccessful after ReadyPDF, a manual check and discovery will be performed to determine cause.
If cause cannot be remedied with ReadyPDF, design team can consult on source of issue.

InfoXchange™ CHICAGO 2024
AUGUST 12TH - 15TH

Obfuscation & Before & After PDF Reporting:



SOLibank
718 mBiG VhvG
YBG GiuNC:S B 65272
solibank.solimarsystems.com

Statement Date cUpJkHJJ 77: 5721
Account # AAAA PAA PAA PAA 722
Page 2 of 5

SOLibank Payback™ VISA
MONTHLY STATEMENT

A,F,I OJEADPBR H
666 A BHNUNBN N
RB KLNDRFE.UP 05418-9140

If you have any questions regarding this or Payback™ rewards, call:
2 377 442 7585/ 976 442 7584
TTY Service 2 377 442 3812

Payment due date TadLnCLv 03. 7839
Total minimum payment =35/73

Current minimum payment +76:67

Previous balance, hUp 56#20 _44:12
Interest + +1:55
Payments/credits - _44:12
Purchases/charges + +664:74

New balance = #559,89

Credit limit _77/777:77
XVeltHgta vJanII $6/775:94

Transactions since your last statement

REF#	TRANS DATE	DETAILS	AMOUNT(S)
2	yXG 72	BDON DBC YKXWfCO	_35:47
5	yXG 72	YKXDAe SRC- 442 pBCKC WDuuK dX mpCX	_25:54
4	yXG 72	BhAuDWCNGC - XdXfOu SB	+733:68
3	yXG 72	WfORpKmXYKpD NGhiGp WsKSa XYiOD	_177:77
4	yXG 74	YKXDAe SRC- 442 pBCKC WDuuK dX mpCX	+2:66

continued on reverse...

Interest Information

Annual interest rates as of kop 00#32
Cash advances 70:77_
Purchases 70:77_

Payment Record

Date paid %$$%%$$%$$%$%%$$$%
Amount paid %$$%%$$%$$%$%%$$$%
Check # %$$%%$$%$$%$%%S

GOT UGLY PDF?
THEN YOU'RE READY FOR THE SOLIMAR PDF OPTIMIZER!
ReadyPDF
Call us at +1.619.849.2800 or visit www.solimarsystems.com and see how easy PDF optimization can be with ReadyPDF®

COMBINES & REUSES RESOURCES | EMBEDS & CONSOLIDATES FONTS | OBFUSCATES DATA
OPTIMIZES COLORS | OPTIMIZES IMAGES | OPTIMIZES & REMOVES OBJECTS
CORRECTS PDF STRUCTURAL ISSUES | PRE-FLIGHT VALIDATION | OPTIMIZATION REPORTING

DETACH AND FOLLOW PAYMENT INSTRUCTIONS ON REVERSE

Make checks payable to: SOLIBANK CARDS

SOLibank
718 mBiG VhvG
YBG GiuNC: SB 65272

NEW BALANCE
#559,89

MINIMUM PAYMENT
=35/73

PAYMENT DUE DATE
TadLnCLv 03: 7839

ACCOUNT NUMBER
ccoc cco cco cco 333

AMOUNT ENCLOSED
$ YBPWAN

Payment must be received by 5:00pm local time on the payment due date to avoid late charges and other fees.

A,F,I OJEADPBR H
666 A BHNUNBN N
RB KLNDRFE.UP 05418-9140

SOLIBANK CARDS
718 mBiG VhvG
YBG GiuNC:S B 65272

ReadyPDF Report

SOLIMAR SYSTEMS

Filename:
Optimized: December 21, 2022, 11:19:28

SPDE Version: 9.2.002598 / Report Version: v14.33
Processing Time: 49.828 seconds

Image Usage | Color Usage | Font Usage | Optimization Time

General Information	Input File	Output File	Difference
PDF Version	1.3	1.5	
PDF Producer	(null)		
Contains DPM Finishing	No	No	
Compression	No Compression	Fully Compressed	
File Size	96,268,598	7,303,977	-88,964,621 92%
Total Pages	4,003	4,003	0
Pages with Transparency	3,964	3,964	0
Size of Page Contents	7,865,301	5,616,891	-2,248,410 29%
Number of Shadings	0	0	0
Number of Text Objects	51,278	47,420	-3,858 8%
Number of Paths	113,687	113,687	0

XObject Images	Input File	Output File	Difference
Images Used Below Low-Res Threshold	0	0	0
Images used between the Low-Res and High-Res threshold	5,266	6	-5,260
Images Used Above the High-Res Threshold	0	0	0
Total XObject Images	5,266	6	-5,260
Total XObject Image Instances Used	5,273	5,273	0
Size of Image Data	15,269,419	12,090	-15,257,329
XObject Image on Average Reused	1 Times	879 Times	878 Times

BCC
SOFTWARE
A BLUECREST COMPANY
SOLIMAR
SYSTEMS
BUSINESS
PARTNER
InfoXchange
CHICAGO
2024
AUGUST 12TH - 15TH

USPS Informed Delivery with Piece Level Tracking

Workflow progression and job status are stored and updated in the SOLitrack SQL database.

SOLITRACK™

PDL

AFP, IPDS, LCDS, Metacode, PCL, PDF, PostScript®, VIPP®

START

Print jobs are received and logged into the database to provide workflow tracking and visibility.

ONBOARDING

CONVERSION & OPTIMIZATION

BATCHING

Optimizes, combines and sorts jobs with similar characteristics into larger batch jobs to facilitate householding, commingling, tracking, managing SLAs, and automation.

SOLIMAR® PRINT DIRECTOR™ ENTERPRISE (SPDE)

Data streams are optimized and converted to PDF for further processing.

SOLITRACK UPDATE

AUTOMATION & DATA INDEXING

INDEXING TOOLS

SOLfusion automates data indexing and re-engineering workflows. PDF files are indexed and jobs are sent to Rubika or other workflow tasks for additional processing.

SOLFUSION™

RUBIKA®

DOCUMENT RE-ENGINEERING & REPRINTS

SOLITRACK UPDATE

Address information is exported to postal software for cleansing. Updated addresses are then re-imported and undeliverables are separated.

DIGITAL COMMINGLE

BCC SOFTWARE
A BLUECREST COMPANY

SOLITRACK UPDATE

BCC software receives indexed CSV data to perform address cleansing via NCOA$^{LINK®}$, CASS™ and PAVE™. Updated CSV file is sent back to Rubika for additional processing.

POSTAL CLEANSE & PRESORTING

POSTAL SORT

NCOA$^{LINK®}$

PAVE™

CASS™

INKJET PRESSES

SOLSEARCHER™ ENTERPRISE (SSE)

IPP and SNMP communication, and JDF/JMF integration

SOLITRACK UPDATE

PRODUCTION PRINT & ARCHIVE / E=DELIVERY

SOLitrack, and SPDE Queue Manager provide scheduling and routing, and drive print jobs to production printers and inkjet presses.

CUT-SHEET & CF DEVICES

FINISHING & INSERTION

Completed print jobs are sent to finishing and insertion workflows for delivery and mailing.

FINISH

REPRINTS

CAMERAS & SCANNERS

Camera integrity systems, and piece-level tracking solutions generate exception control files that are sent to Rubika for automated reprint workflows.

PIECE-LEVEL TRACKING

EXCEPTIONS

SOLITRACK UPDATE

MAXIMIZE POSTAL SAVINGS & REDUCE COSTS

Rubika & SOLitrack provide additional functionality to help optimize print output, reduce mailing costs, and maximize postal savings:

- Barcode & Marking
- Add digital overlays and underlays
- Digital Commingling & Householding
- Assemble, Merge, and Concatenate documents
- Split & Segment documents
- Address Cleanse & Sort
- N-Up Imposition
- Import & Export data
- Add digital inserts and messaging including Augmented Reality (AR) Experiences

SOLIMAR SYSTEMS

Thank you for your time today and enjoy Chicago!

Chief Experience Officer
mary.ann.rowan@solimarsystems.com
+1 619.920.5854
linkedin.com/in/maryannrowan

www.solimarsystems.com

I'll share a handout of this presentation via email after the conference.

I'm happy to set up a demo of any of the workflows we discussed.

InfoXchange™ CHICAGO 2024
AUGUST 12TH - 15TH