

# Accelerate End-to-End Financial Processing with Data Automation

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insightsoftware

SAPinsider  
Las Vegas

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**2023**

**SAP**insider



## In This Session

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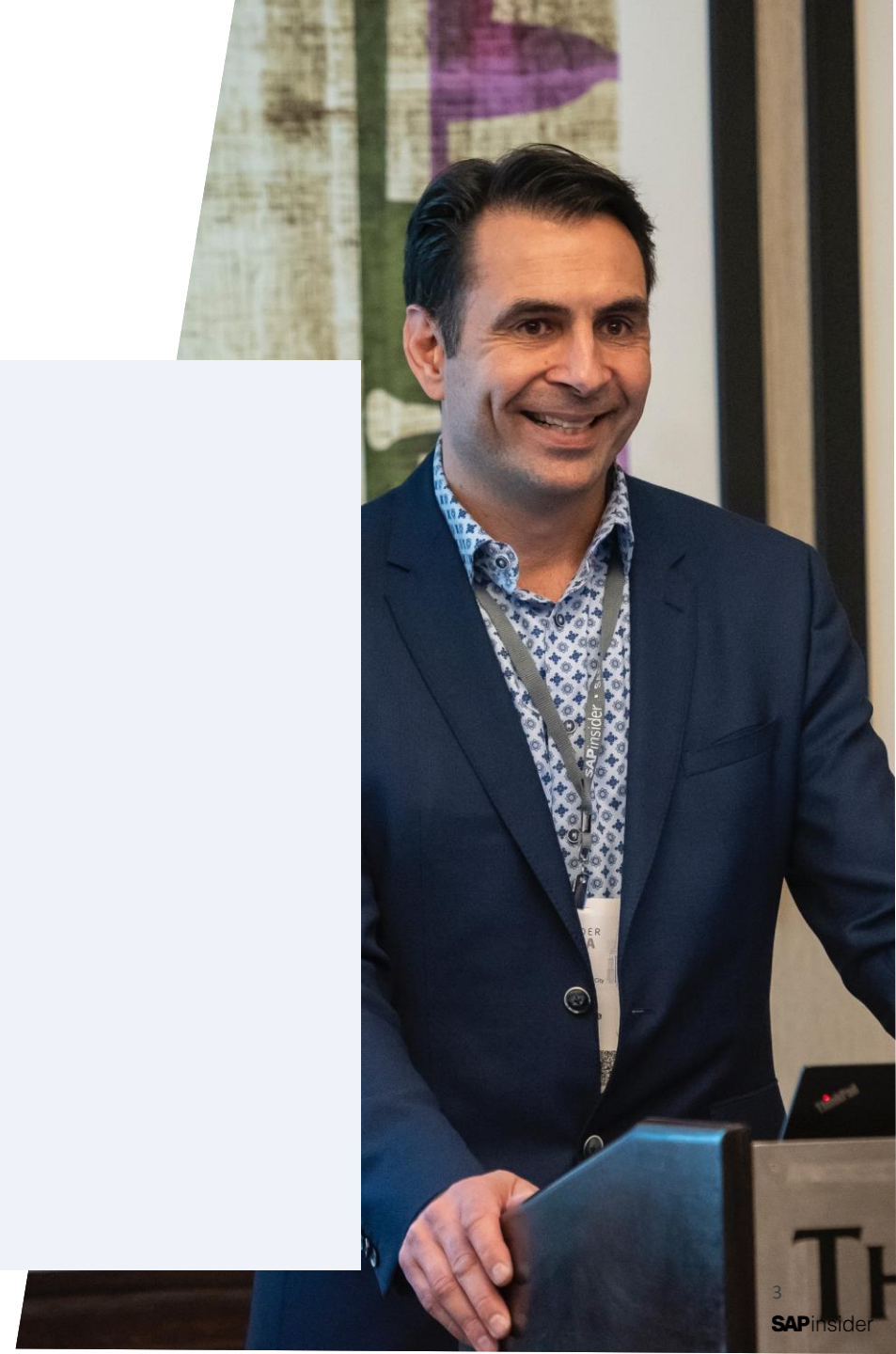
Learn more about insightsoftware's solutions which assist in automating financial processes from master data creation to financial entries to reporting and analysis. All within Excel, which tends to be the tool-of-choice for Finance teams.



# What We'll Cover

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- Who is insightsoftware?
- SAP solutions by insightsoftware
- Real-life business scenario
- Wrap-Up



# Who is insightsoftware?

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The logo for insightsoftware features the word "insight" in blue and "software" in green. Above the "i" in "insight" is a blue line graph with three points, and above the "t" is a green line graph with three points.

insightsoftware

# Who is insightsoftware?

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## Company Facts & Figures

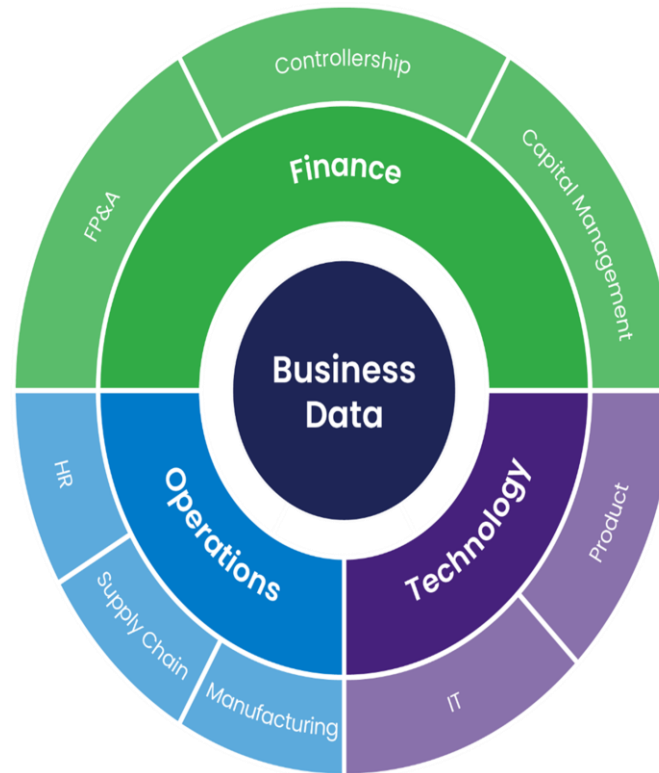
*Global HQ – Raleigh NC*

- \$500M+ Revenue
- 500,000+ Users
- 32,000+ Customers
- 1,300+ Partners
- 2,000+ Employees
- 150+ Countries Served



# Who is insightsoftware?

We enable the Office of the CFO to connect to and make sense of their enterprise data in real time so they can proactively drive greater financial intelligence across their organization, which is how best-in-class finance teams operate.



## Trusted Insights

Deep, built-in ERP knowledge for consistent, accurate results



## Automated Processes

Increase productivity and eliminate errors



## Better Predictability

Built on granular, transaction level data



## Greater Flexibility

Agile, self-service tools that put business users in control

# Insightsoftware SAP Solutions

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 **Angles**  
reporting  
from insightsoftware

 **Process Runner**  
from insightsoftware

 **Wands**  
reporting  
from insightsoftware

# Insightsoftware SAP Solutions

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## Wands for SAP

### Financial Reporting

- Utilize report wizards to easily access SAP data in Excel
- SAP data is real-time, drillable for simple user analysis
- Reduce manual effort and reliance on IT
- Streamline distribution

## Angles for SAP

### Operational Analytics

- Analyze operational processes
- Combine information sets across SAP data models
- Proactively manage fulfillment ability
- Create inter-departmental visibility

## Process Runner

### Workflow Automation

- Remove labor intensive operational tasks
- Perform mass data creation and verification
- Interface data into source systems
- Easily design and manage workflows

## GLSU

### Writeback to SAP

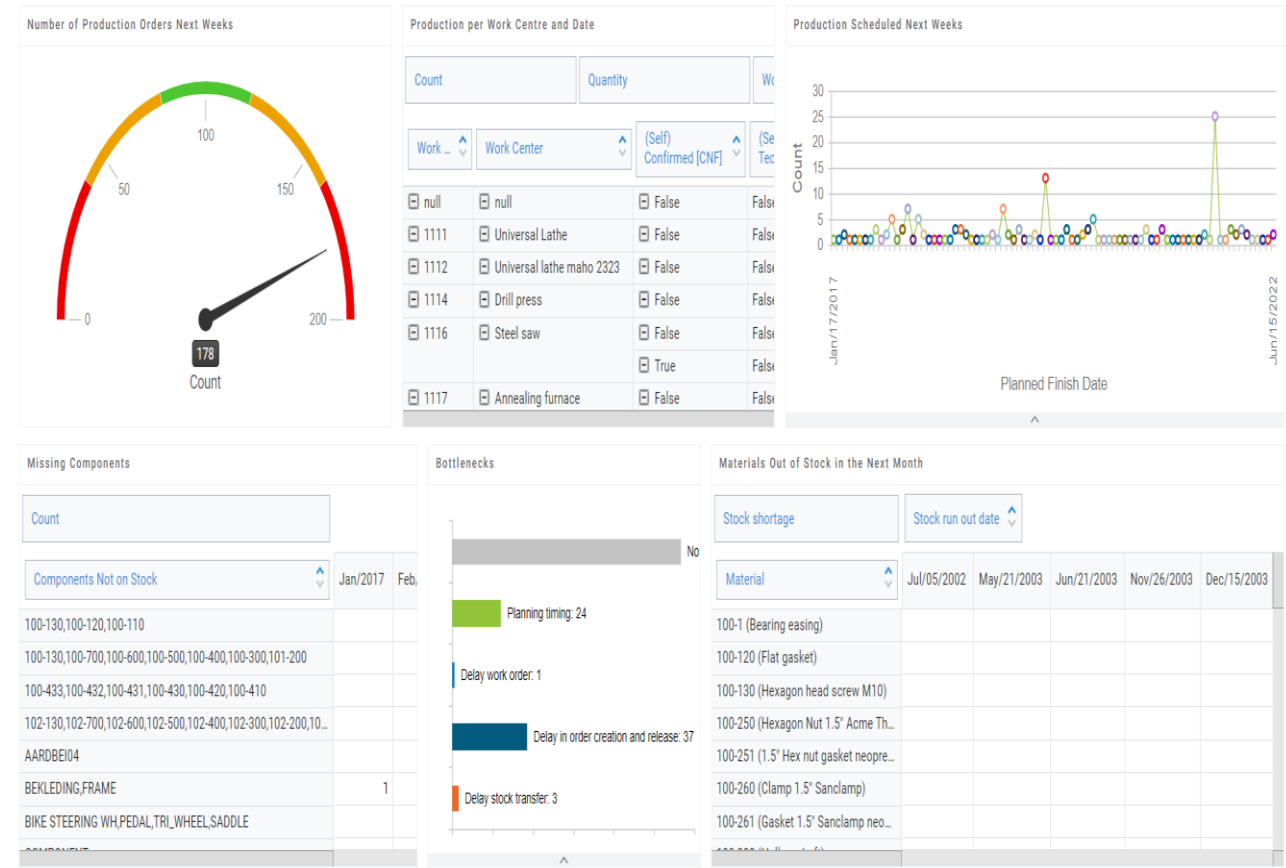
- Automate finance transactional posting
- Reduce time-to-close at month end
- Pre-validate data prior to posting
- Eliminate need to re-key general ledger entries



# Angles for SAP

## The Value of Angles for SAP

- Deliver Self-Service Business Insights
- Pre-Built Operational Reports/Dashboards
- Identify/Fix Cross-Process Problems
- Leverage Continuous Intelligence
- Tame the Complexity of SAP



# Process Runner

## The Value of Process Runner

- No-code Transaction Automation
- Utilize 1,900+ Pre-Built Templates
- Boost Productivity / Eliminate Tedious Tasks
- Leverage SAP Security and User Profiles
- Enable Users to Configure/Manage Workflows

The screenshot displays the SAP Process Runner interface. The top menu bar includes FILE, HOME, EDIT, MAPPER, SCHEDULER, TOOLS, MY DASHBOARD, and HELP. The MAPPER tab is active, showing a toolbar with icons for Run, Stop, Debug All Screens, Test Run, Error Processing, Data Governance, Data Validation, Clipboard, Undo, Redo, Row(s) Action, Fast Map, Other Action, Side Panel, Simple View, Advanced View, Active Rows, Inactive Rows, All Rows, Excel View, and Test F4 Lookup.

Below the toolbar is a table with columns: Active, Screen Name, Field, Field Description, Mapping Type, Map Value, Dynamic Skip, Dynamic Formula, Type, and Length. The table contains several rows for different screens and fields, including SAPLMQMM-0060, SAPLMQMM-0070, and SAPLMQMM-4004.

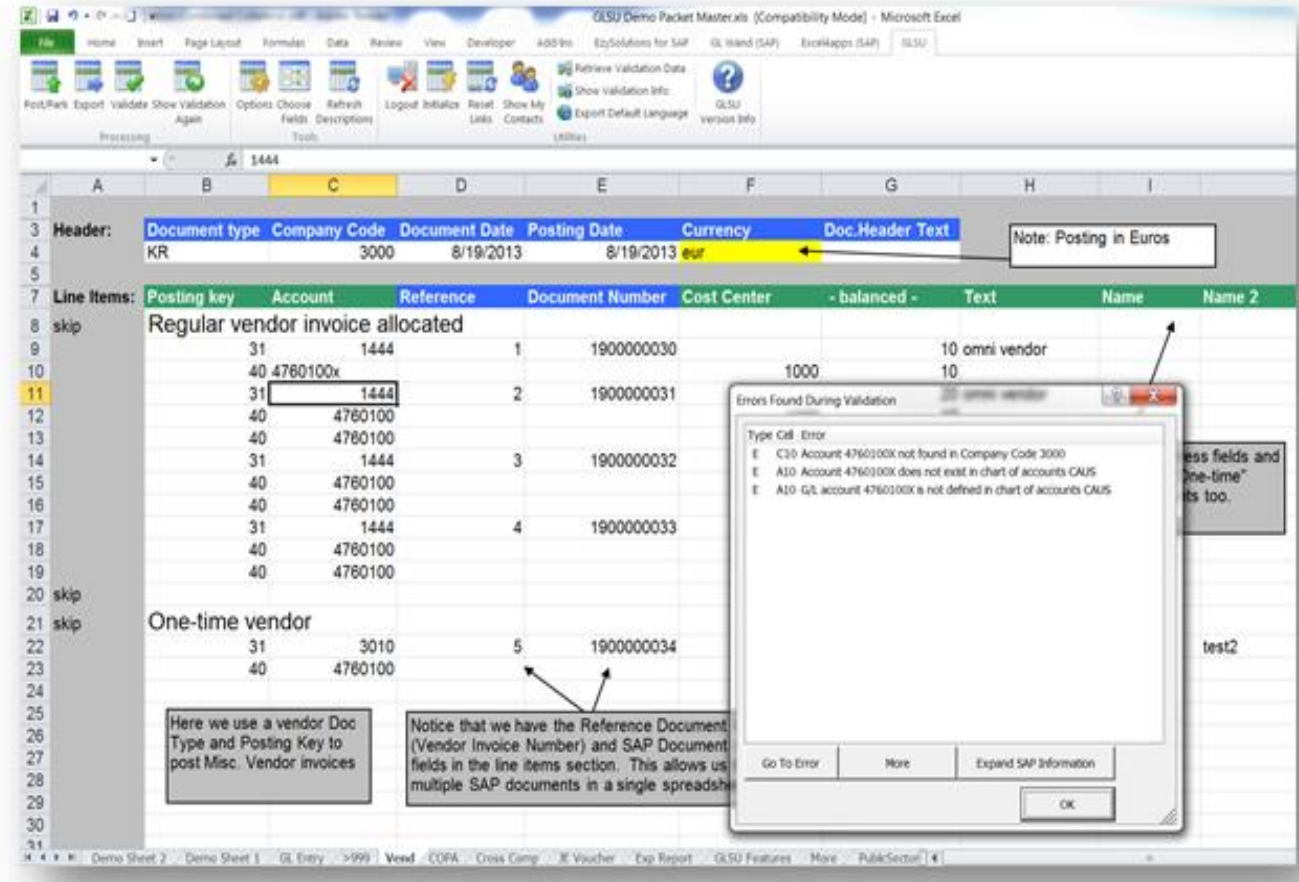
Below the table is an Excel File section with a file path and a Sheet4 tab. The Excel Header Cell is A1, and the Map Excel Header checkbox is unchecked.

Below the Excel File section is a 'Create Material' form. The form includes a title 'Create Material' and a subtitle 'Use this Excel form layout to Create Material MM01 in SAP.' A note for the end user states: 'Fill in the values and click "Run" from Process Runner tab to create Material MM01 in SAP.' The form has two input fields: 'Industry sector' (1-Retail) and 'Material Type' (FERT-Finished Product). Below these fields is a table with columns: Material Description, Base Unit of Measure, Material Group, Gross Weight, Weight Unit, Net Weight, Plant, Sales Organization, Distribution Channel, Division, Tax classification, Transportation Group, Loading Group, Material Number, ID, and SAP Message. The table contains five rows of data for testing new materials.

# Process Runner GLSU

## The Value of Process Runner GLSU

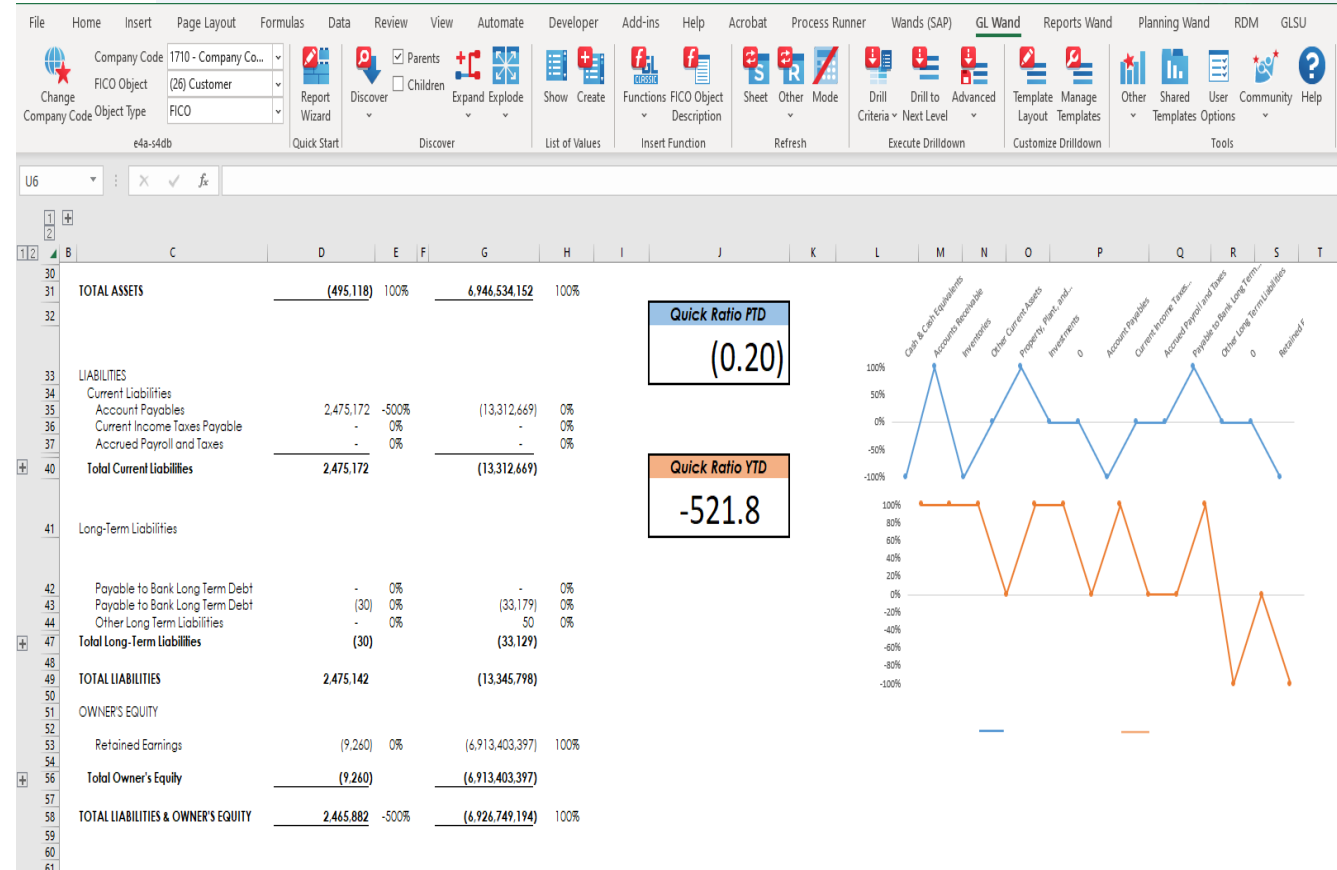
- Directly Post/Park FI Documents from Excel
- Pre-validation of Data before Loading
- SAP Doc Numbers returned to Spreadsheet
- Flexible Layouts for Multiple Doc Types
- Post more than 999 Line Items



# Wands for SAP

## The Value of Wands for SAP

- ERP Smarts Built for Finance
- Connect your Data to Excel in Real-time
- Eliminate manual data dumps
- Drill into the Details
- Get Up and Running Fast





# Business Scenario

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## Customer requires services w/o inventory

A new customer who your company works with requires professional services from your organization which does not have a requirement on inventory. Sure, a service order can be created however this may simply require a miscellaneous invoice be created in SAP for this customer (via FB70 T-code).

# Business Scenario

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Steps associated with this business scenario:

1. Create new customer (Process Runner)
2. Validate new customer master data (Wands)
3. Post misc customer invoice (GLSU)
4. Validate posting has been made (Wands)

# Step #1 – Create Customer

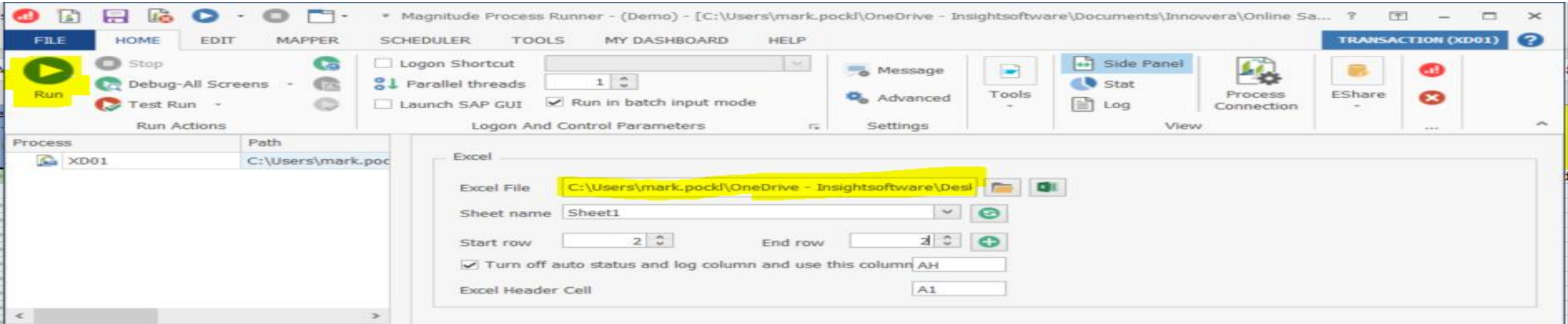
For the customer creation step, we use an existing Process Runner template in the format of Excel:

The screenshot displays the SAP Process Runner interface with an Excel template for customer creation. The interface includes a ribbon with tabs: File, Home, Insert, Page Layout, Formulas, Data, Review, View, Automate, Developer, Help, Acrobat, and Process Runner. The Process Runner tab is active, showing options like Open, Add, Run, Test, Debug, Error Processing, Start Row, End Row, Process(es), Settings, Process Files, Display document in SAP, Dynamic F4 Lookup, Tools, and Help. The Excel template has columns A through W, each representing a different field for customer creation. The data row (row 2) contains the following values:

Customer Account Number	Company Code	Customer Account Group	Title	Name 1	Sort field	House number and street	City	Postal Code	District	Country Key	Region (State, Province, County)	Language Key	Transportation zone to or from which the goods are delivered	Nielsen ID	Customer classification	Industry key	Industry Code 1	Bank country key	Bank Keys	Bank account number	Reconciliation Account in General Ledger	Terms of Payment Key
1020	1000	0001		Vandalay Industries	VANDALAY	3200 Main St	Berlin	12350		DE	11	EN	D000010000		01	MBAU		DE	0010050033	54768756	140000	ZB01

# Step #1 – Run the update with Process Runner / Create customer

The Run process for the Excel seen in the previous step:



FileHomeInsertPage LayoutFormulasDataReviewViewAutomateDeveloperHelpAcrobatProcess Runner

OpenAddRunTestDebugError Processing

Start Row:2End Row:2Process(es):<Not defined>

Settings

Process FilesDisplay document in SAPDynamic F4 LookupToolsHelp

Process Runner

Y29

	A	B	C	D	E	F	V	W	X	Y
	Customer Account Number	Company Code	Customer Account Group	Title	Name 1	Sort field	Reconciliation Account in General Ledger	Terms of Payment Key		MPOCKL-DM1-800 03-Mar-2023 - 10:31 AM Pver: 5.22.0.0, Fver:15.1 Status 899_FD01 - Create Customer (Accounting).itf [AX]
1										
2	1020	1000	0001		Vandalay Industries	VANDALAY	140000	ZB01	S:F2-171	Customer 0000001020 has been created for company code 1000



# Step #2 – Validate the new customer created in SAP

We will use Reports Wand to validate the new customer we created with Process Runner:

**Create Report**

**Report Definition**  
Select the report definition that you would like to use.

Filter By Module: **All** ☐ Featured

**CUST** [X](#) [Advanced Search](#)

ID	Name	Featured	Module	Sub-Module	Sub-Module Description	Similar T-Code
/EXCEL4AP/22_NW7_DLY_CS_01_00	Customer Line Items	★	FI		Accounts Receivable	FBLSN
/EXCEL4AP/22_NW7_DLY_CS_04_01	Customer Line Items	★	FI		Accounts Receivable	FBLSN
/EXCEL4AP/22_NW7_FD3_01_00	Customer Master (KNA1 & KNB1)	★	FI		Accounts Receivable	FD03
/EXCEL4AP/22_NW7_FD3_04_01	Customer Master (KNA1 & KNB1)	★	FI		Accounts Receivable	FD03
CUSTOMER_CRED_MGMT	Customer Credit Management	★				
<b>MP_CUSTOMER_MASTER</b>	<b>MP_CUSTOMER_MASTER</b>	★				
MP_TEST_CUSTOMER_COLLECTIONS	MP_TEST_CUSTOMER_COLLECTIONS	★				
MP_TEST_CUSTOMER_OPEN_ITEMS	MP_TEST_CUSTOMER_OPEN_ITEMS	★				

**Business Value Definition**  
Used to validate Customer Master data for Company Code, General and Sales Data levels

[?](#) [Previous](#) [Next >](#) [Finish](#) [Cancel](#)

## Step #2 – Running a report with Reports Wand

Running the report from the Parameter List:

The screenshot shows the 'Modify Parameters' dialog box in the SAP Reports Wand interface. The dialog has a title bar with a close button (X) and a 'Wands' logo. Below the title bar is a section for 'Report Parameters' with a description: 'Enter or select the parameter values. A required parameter is indicated by an asterisk.' The 'Parameters' section contains two rows: 'Customer Number\*' with the value '1020' and 'Company Code\*' with the value '1000'. The 'Filters' section contains four rows, each with a 'Field' dropdown, an 'Operator' dropdown, and a 'Value' input field. The first row is filled with 'Sales Organization', 'Equals', and '1000'. The 'Advanced Criteria' section contains three rows: 'Advanced' with the text 'e.g., 1 AND (2 OR 3)', 'Limit' with the text 'Return a maximum number of records', and 'Order By' with the text 'Select the columns to order the results'. At the bottom of the dialog are buttons for 'Clear Filters', 'Save and Close', 'Execute', and 'Cancel', along with a help icon (question mark).

**Modify Parameters**

**Report Parameters**  
Enter or select the parameter values. A required parameter is indicated by an asterisk.

**Parameters**

Parameter	Value
Customer Number*	1020
Company Code*	1000

**Filters**

Filter	Field	Operator	Value
Filter 1	Sales Organization	Equals	1000
Filter 2			
Filter 3			
Filter 4			

**Advanced Criteria**

Advanced	e.g., 1 AND (2 OR 3)
Limit	Return a maximum number of records
Order By	Select the columns to order the results

**Buttons:** Clear Filters, Save and Close, Execute, Cancel

# Step #2 – Report output/layout – validating the new customer

## The result of running the report

MP\_CUSTOMER\_MASTER

MP\_CUSTOMER\_MASTER || KNA1~KUNNR=1020, KNB1~BUKRS=1000 || WHERE Sales Organization Equals 1000 || March 3, 2023 at 10:59:13 AM EST

Company Code	Sales Organization	Distribution Channel	Division	Customer Number	Name 1	Sort field	Customer group	House number and street	Postal Code	City	Region (State, Province, County)	Country Key	Transportation zone to or from which the goods are delivered
1000	1000	10	00	1020	Vandalay Industries	VANDALAY		3200 Main St 4	12350	Berlin	11	DE	D000010000

Edit Report

Edit Report Layout

Edit your report by moving, adding or deleting columns or set sort and subtotal options. Optionally save the report as a template which can then be used with the "Drill to Saved Template" functionality.

Search for a column

	Company Code	Sales Organization	Distribution Channel	Division	Customer Number	Name 1	Sort field	Customer group	House number and street	Postal Code	City	Region (State, Province, County)	Country Key	Transportation zone to or from which the goods are delivered	Customer classification	Industry key	Reconciliation Account in General Ledger	Terms of Payment Key	Delivery Priority	Shipping Conditions
Sort Key																				
Sort Order																				
Group By																				
Sub Total																				
Remove	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

All

Filter the available columns

Add All Remove All

Account Number of Buying Group ( KNB1~EKVBD )	Account Number of Vendor or Creditor ( KNA1~LIFNR )	Account assignment group for this customer ( KNVV~KTGRD )	Account number of an alternative payer ( KNA1~KNRZA )
Account number of an alternative payer ( KNB1~KNRZB )	Account number of the master record with the fiscal address	Accounting clerk ( KNB1~BUSAB )	Accounting clerk's fax number at the customer/vendor ( KNB1~
Accounting clerk's telephone number at business partner ( KN	Accounts Receivable Pledging Indicator ( KNB1~CESSION_KZ )	Activity Code for Gross Income Tax ( KNB1~GRICD )	Address ( KNA1~ADNRN )
Agency Location Code ( KNA1~ALC )	Amount Insured ( KNB1~VL1BB )	Annual sales ( KNA1~UMSA1 )	Annual sales ( KNA1~UMSAT )
Assignment to Hierarchy ( KNA1~HZUOR )	Attribute 1 ( KNA1~KATR1 )	Attribute 10 ( KNA1~KATR10 )	Attribute 2 ( KNA1~KATR2 )
Attribute 3 ( KNA1~KATR3 )	Attribute 4 ( KNA1~KATR4 )	Attribute 5 ( KNA1~KATR5 )	Attribute 6 ( KNA1~KATR6 )

Save as a template OK Close

# Step #3 – Posting a misc customer invoice

We will use a GLSU template to post the misc customer invoice into SAP:

File

Home

Insert

Page Layout

Formulas

Data

Review

View

Automate

Developer

Add-ins

Help

Acrobat

Process Runner

Wands (SAP)

GL Wand

Reports Wand

Planning Wand

RDM

GLSU

Post

Export

Validate

Review Validation

Options

Choose Fields

Refresh Descriptions

Import

Logout

Initialize

Reset Links

Show My Contacts

Retrieve Validation Data

Show Validation Info

Export Default Language

GLSU Version Info

GLSU Manual

Processing

Tools

Utilities

Help

I14

X

✓

fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
3	Header:	Document Type	Company Code	Document Date	Posting Date	Currency	Doc.Header Text	Document Number	Reference					
4		DR	1000	1/15/2023	1/15/2023	EUR	Customer posting		1020-1					
5														
7	Line Items	Posting key	Account	Account Descr	- balanced -	Text	Cost Center							
8		01	1020	Vandalay Industries / 3200 Main St 4 / 12350 Berlin	18000	Customer								
9		50	417000	Purchased services	18000	Services	3030							
10	SKIP													
11	SKIP			Vandalay Industries purchasing 18,000 EUR worth of services to be completed over 3 month period										
12	SKIP													
13	SKIP													



# Step #3 – Posting a misc customer invoice

As we can see from the highlighted cell in the screen below, the DR invoice has posted to a company code w/ a document number

FileHomeInsertPage LayoutFormulasDataReviewViewAutomateDeveloperAdd-insHelpAcrobatProcess RunnerWands (SAP)GL WandReports WandPlanning WandRDMGLSU

Post

Export

Validate

Review

Validation

Options

Choose

Refresh

Import

Logout

Initialize

Reset

Show My

Links

Contacts

Retrieve Validation Data

Show Validation Info

Export Default Language

GLSU

GLSU

Version Info

Manual

Processing

Tools

Utilities

Help

I14

## Step #3 – Posting a misc customer invoice

Here's the document number in SAP:

Display Document: Data Entry View

Display Currency General Ledger View

Data Entry View

Document Number	1800000017	Company Code	1000	Fiscal Year	2023
Document Date	01/15/2023	Posting Date	01/15/2023	Period	1
Reference	1020-1	Cross-Comp.No.			
Currency	EUR	Texts exist	<input type="checkbox"/>	Ledger Group	

CoCd	Item	PK	S...	Account	Description	Curr.	Amount	Amount in LC	LC2 amount	Tx	Cost Center	Text
1000	1	01		1020	Vandalay Industries	EUR	18,000.00	18,000.00	18,000.00			Customer
	2	50		417000	Purchased services	EUR	18,000.00-	18,000.00-	18,000.00-		3030	Services

Service: Attachment list

AttachmentFor100018000000172023

Icon	Title	Creator Name	Created On
	Excel Upload from GLSU	Mark Pockl	03/03/2023

# Step #4 – Reconciling the Customer posting with GL Wand

With GL Wand, we can run an out-of-the-box Customer Aging report:

Daily Customer Drill Down		
Balance / Line Item Drilldown		
From Date	1/1/2023	Best Run Germany
To Date	3/3/2023	
Company Code	1000	
Customer	1020	
Currency Type	10	
Currency		
Document Type		
Posting Key		
Movement		
Business Area		
Tax On Sales Purchases Code		
Internal Order		
Cost Center		
Trading Partner		
Work Breakdown Structure		
Element		
Profit Center		
Reference Key		
Special G L Transaction Type		
Line Item Status	O	
Open At Key Date	3/3/2023	
Line Item Type	N	
<div>Execute Drilldown</div>		

Double click the "Execute" cell to run the drilldown or use the button on the toolbar.

# Step #4 – Reconciling the Customer posting with GL Wand

Here are the results of the Customer Aging report:

<div>Key</div> <div>Date3/3/2023</div>												<div>Current</div>	<div>1-30 Days</div>	<div>31-60 Days</div>	<div>61-90 Days</div>	<div>91-120 Days</div>	<div>120+ Days</div>
												-	-	18,000.00	-	-	-
<div>GL Line Item Drilldown</div> <div>Sun Jan 01 00:00:00 EST 2023, Sun Jan 01 00:00:00 EST 2023, 1000    March 3, 2023 at 1:48:36 PM EST</div>																	
Company	Period	Year	Key Date	Baseline Date For Due Date Calculation	Document Number	Document Type	GL Account	Account Desc	Account Number Of Vendor Or Creditor	Customer Name	Total Days	Current	1-30 Days	31-60 Days	61-90 Days	91-120 Days	120+ Days
1000	1	2023	3/3/2023	1/15/2023	1800000017	DR	140000	Trade Receivables - domestic	1020	Vandalay Industries	47	-	-	18,000.00	-	-	-
												-	-	18,000.00	-	-	-



# Wrap Up

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# Where to Find More Information

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<https://insightsoftware.com/sap/sap-hana-ecc/>

*Harness Your SAP ECC and S/4HANA Business Data to Accelerate Business Decisions*

<https://insightsoftware.com/angles-for-sap/>

*Transform SAP Data into Actionable Insights*

<https://insightsoftware.com/process-runner/>

*Powerful SAP Data Automation*

<https://insightsoftware.com/process-runner-glsu/>

*Automate SAP Financial Data Entry from Excel*

<https://insightsoftware.com/wands/wands-for-sap/>

*Accelerate FICO and Operational Reporting and Analysis in Excel*

# Key Points to Take Home

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- Utilize Insightsoftware Solutions to Automate SAP Data Processing and Reporting /Analysis
- Leverage Pre-Built Dashboards for Analysis
- Leverage Pre-Built Data Templates for Process Automation
- Empower Users with End-to-End Solutions
- Little-to-No IT Configuration
- Practical Business Scenario Automation

# Thank you! Any Questions?

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<https://www.linkedin.com/in/mark-pockl-a38a0066/>

Please remember to complete  
your session evaluation.

# SAPinsider



## SAPinsider.org

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