Automating Utility Invoice Processing with AI and Bots

December 14, 2023









Who are we?

SmartDocs Overview



Digitization & Bots

What can these do to help your organization



Utility Invoice Processing

Process and nuances of paying Utility Invoices



Pennsylvania Turnpike Commission Story PTC's story of handling Utility Invoices



GLIMPSE into FUTURE

See how a thoughtful well designed Procure to Pay platform would like

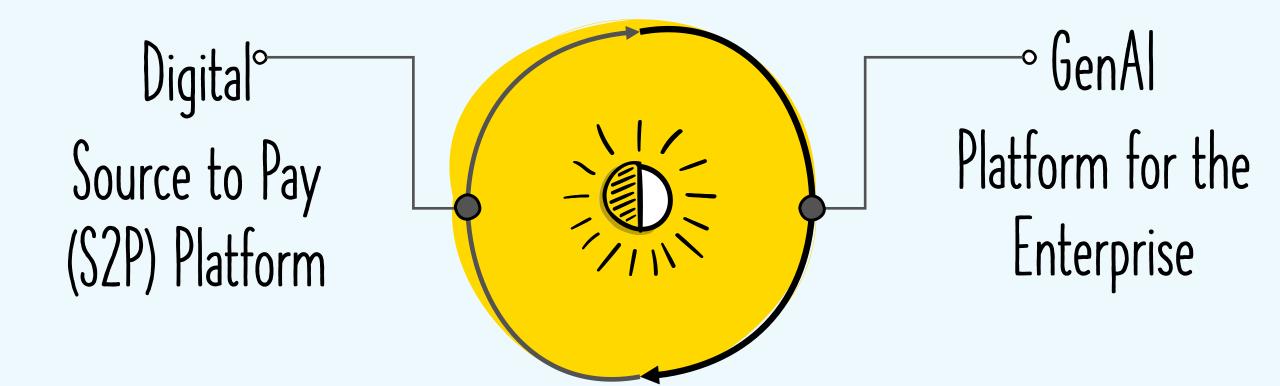


Who is SmartDocs

Who are we ?



SmartDocs Inc.



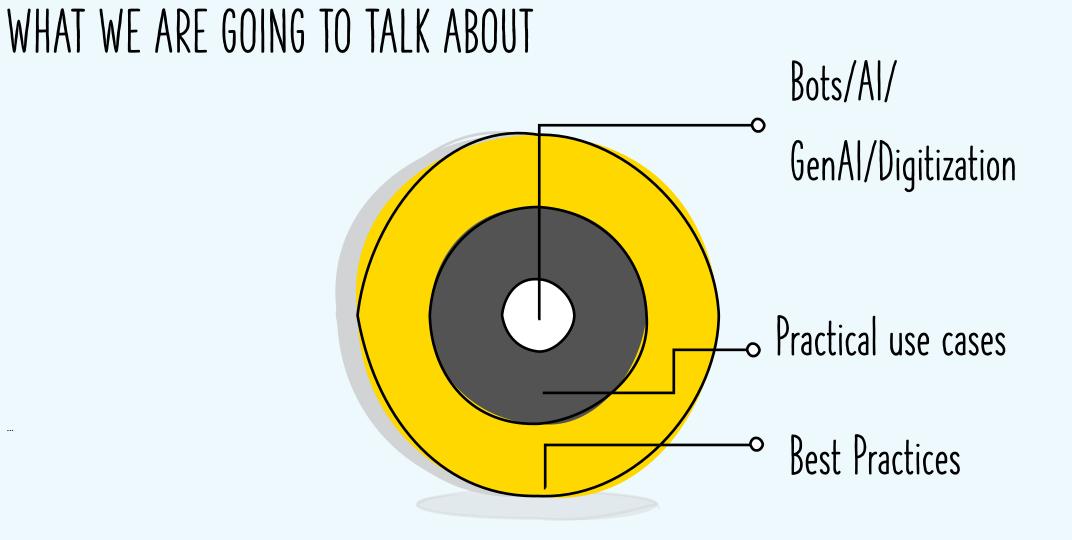
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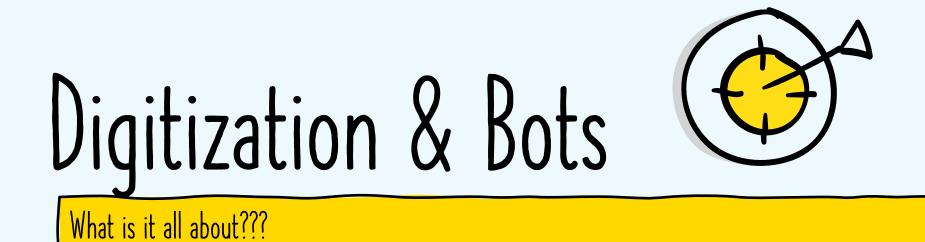




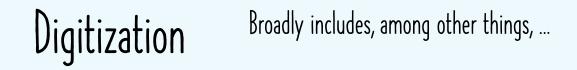


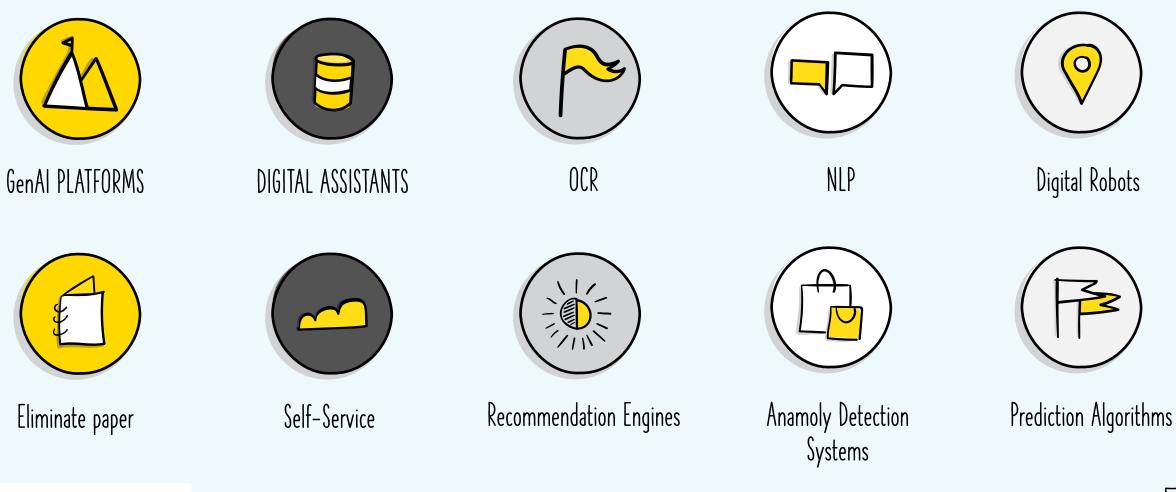




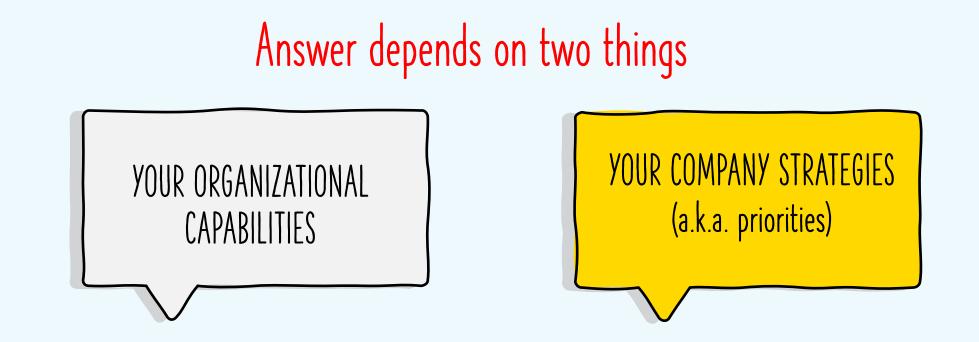








Digitization & Bots: How can they help your organization?



Introducing Technology without STRATEGY will bring marginal results at best and create chaos at worst.

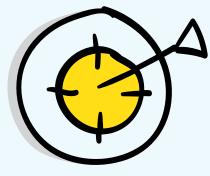


Priorities / Opportunities Focus - Goals





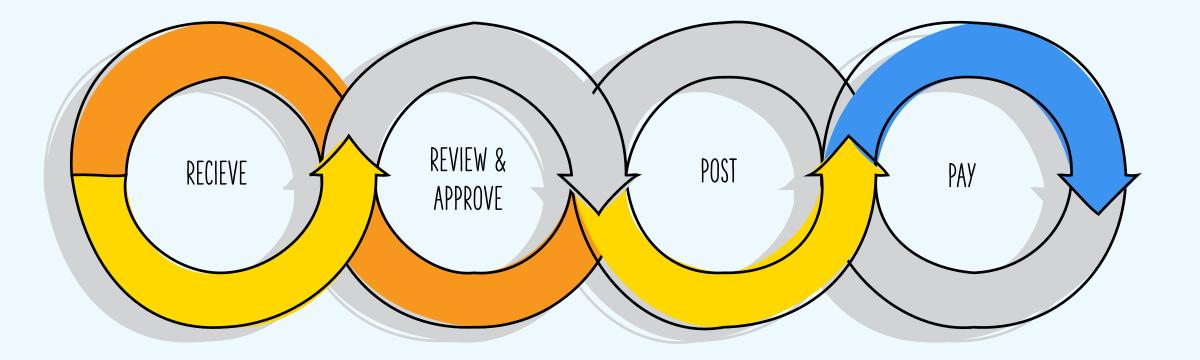
Vendor Invoice Processing



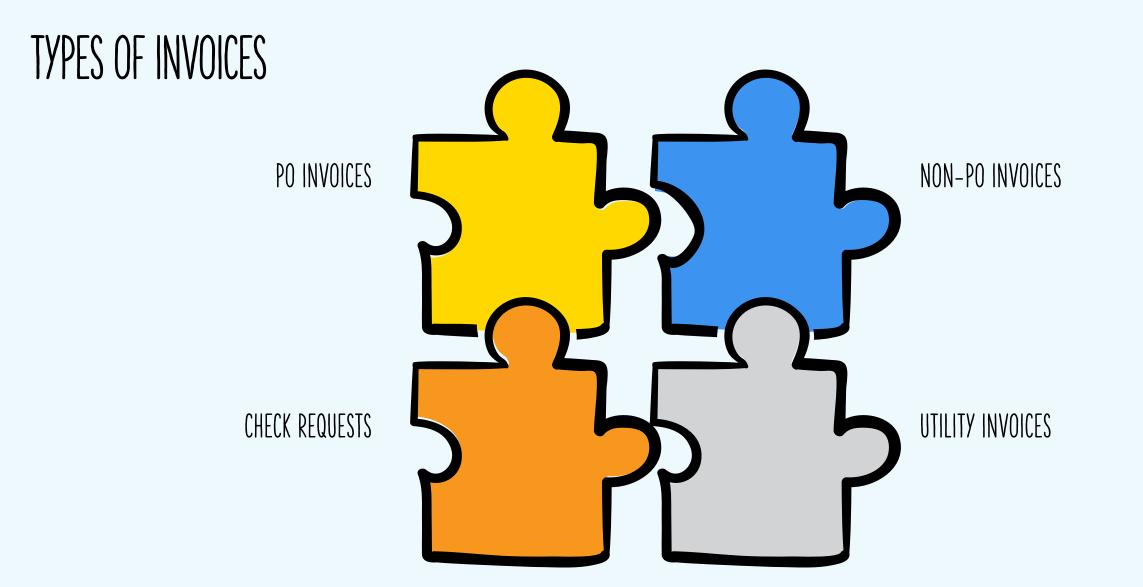
What it takes to process Vendor invoices



INVOICE PROCESSING



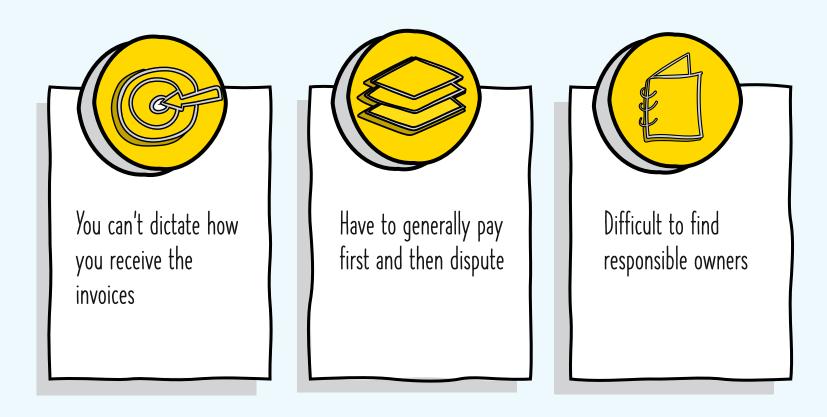






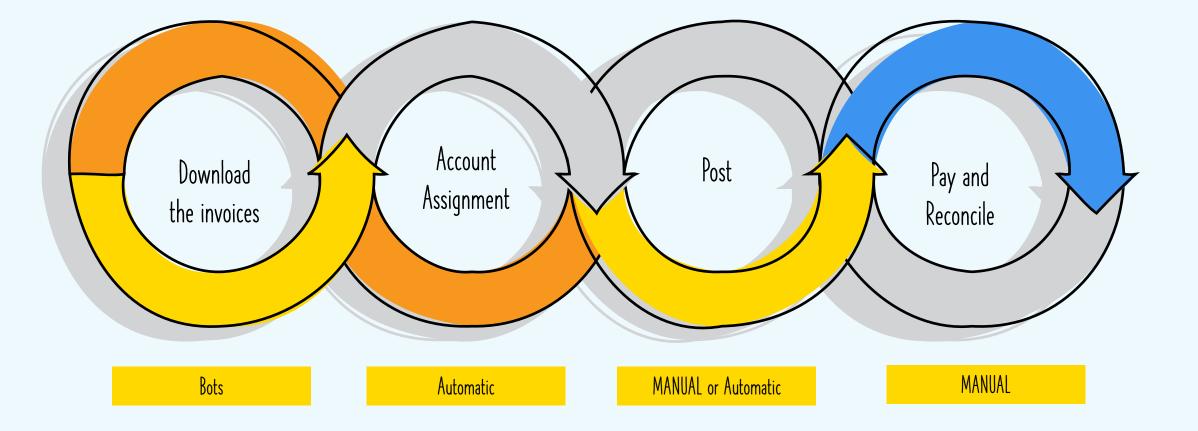
UTILITY INVOICES Key features

* Footer note goes here



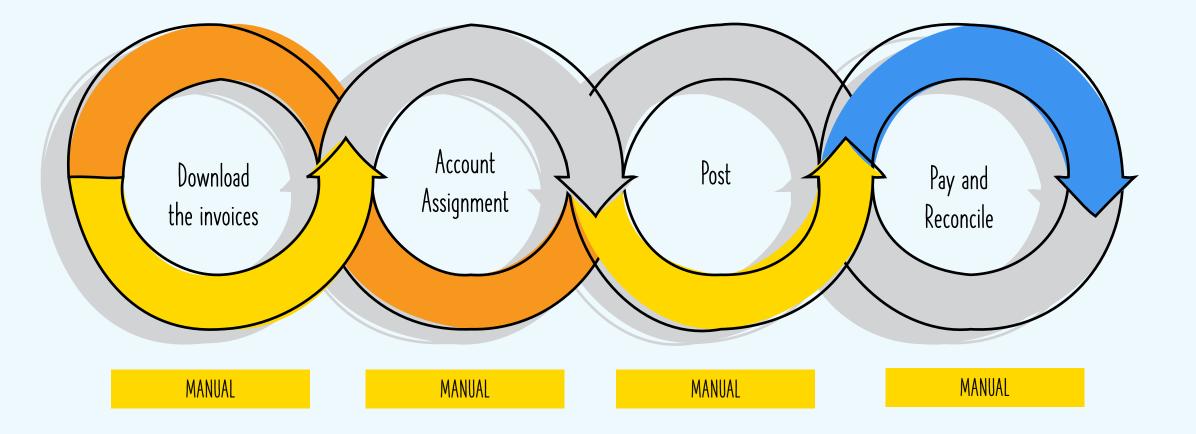


Utility Invoice Process Flow - with SmartDocs Al Platform



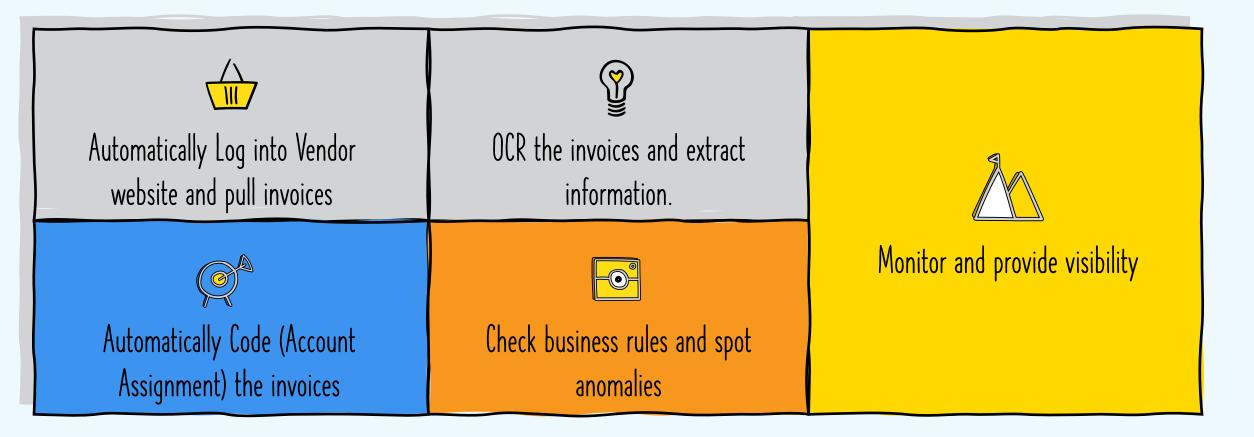


Typical Utility Invoice Process Flow





HOW CAN BOTS / AI HELP here?





...



Pennsylvania Turnpike Commission

Utility Invoice Processing



America's First Superhighway

- Abandoned Vanderbilt and Carnegie railroad from 1880s
- 160 miles designed and constructed in 20 months

CALLARA RALLE, NY

2.4 million vehicles in 1940

PITTSBURGH

Led to Interstate Highway System



lown of

HARRISBURG

TABLE C

4 TRAFFIC LANES · 160 MILES · NO TRAFFIC LIGHTS

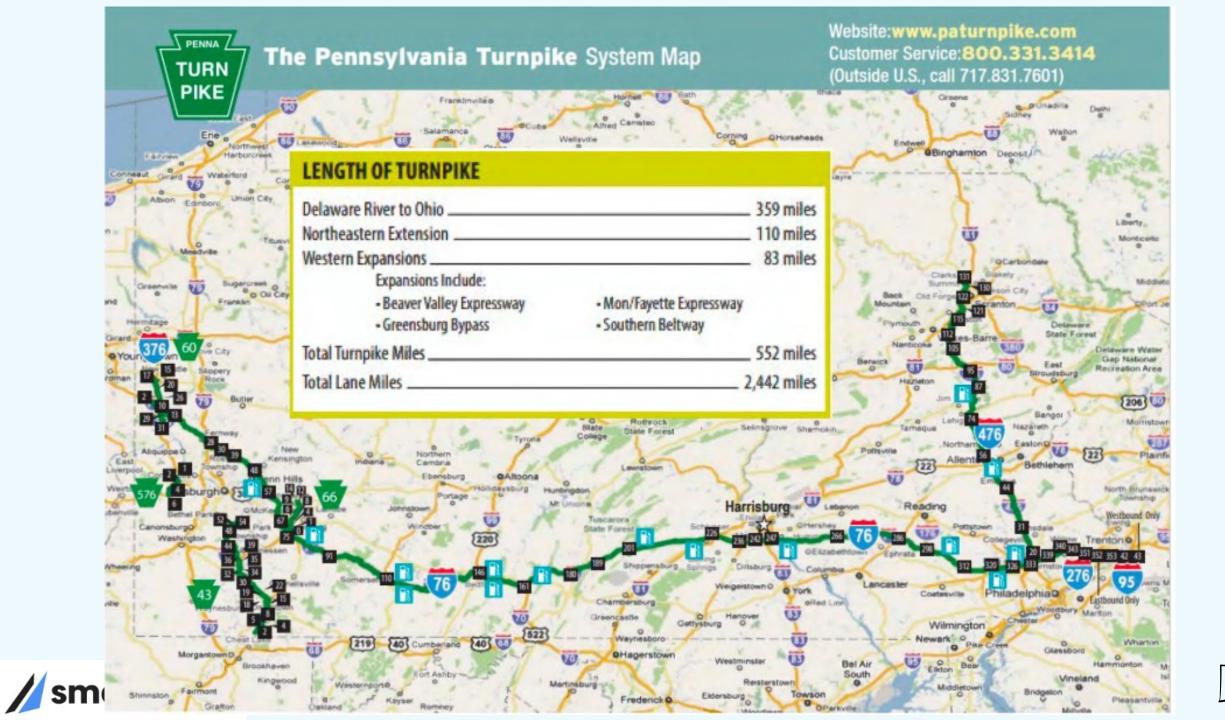


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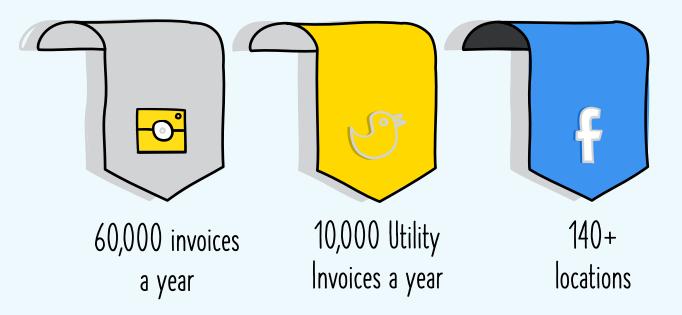




Accounts Payable Landscape

Process over \$1.5B in spend annually

 SAP ECC, SAP SRM, SmartDocs Vendor Portal





General Concepts







Invoice Ingestion



AutoPilot – Bot



Bots pulling from Vendor websites

Channel: AutoPilot - Bot Get from website automatically AutoPilot - Email



Paper invoice scanned Channel: AutoPilot - Email

Emailed to SVC_VP_utilityinv@paturnpike.com



Forwarding Emails received at accountspayable@paturnpike.com

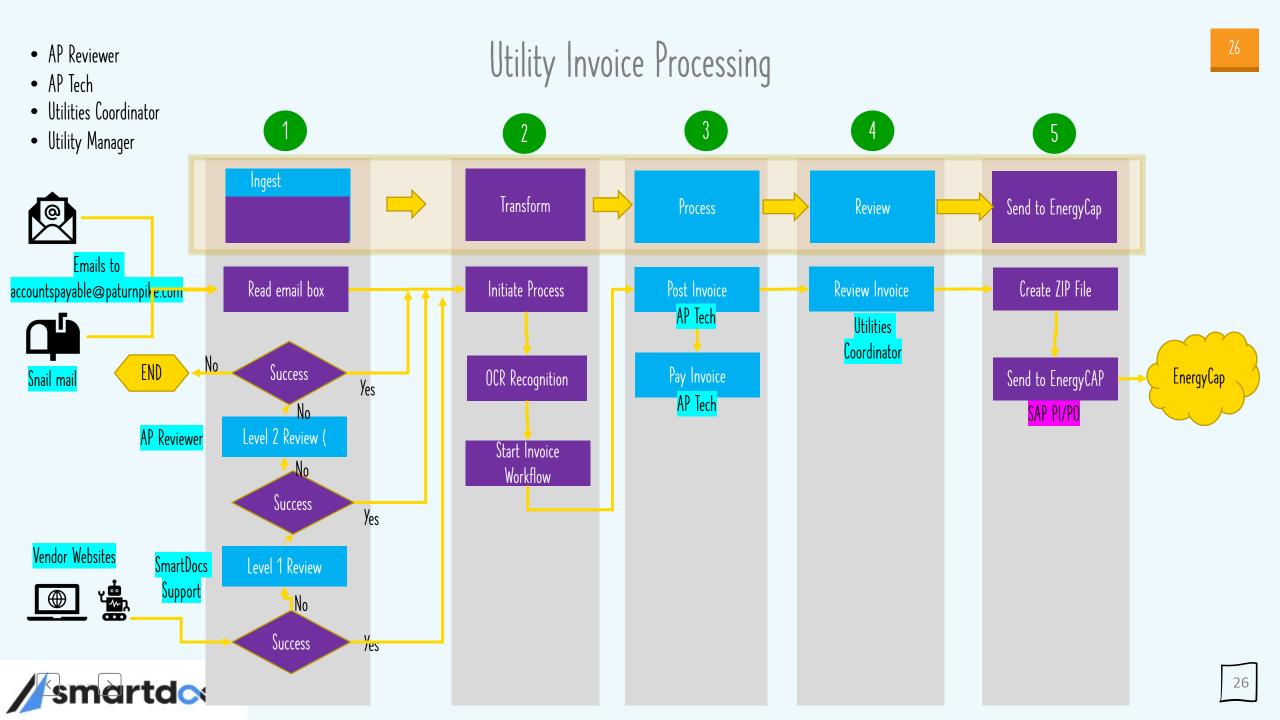
Channel: AutoPilot - Email

Emailed to SVC_VP_utilityinv@paturnpike.com

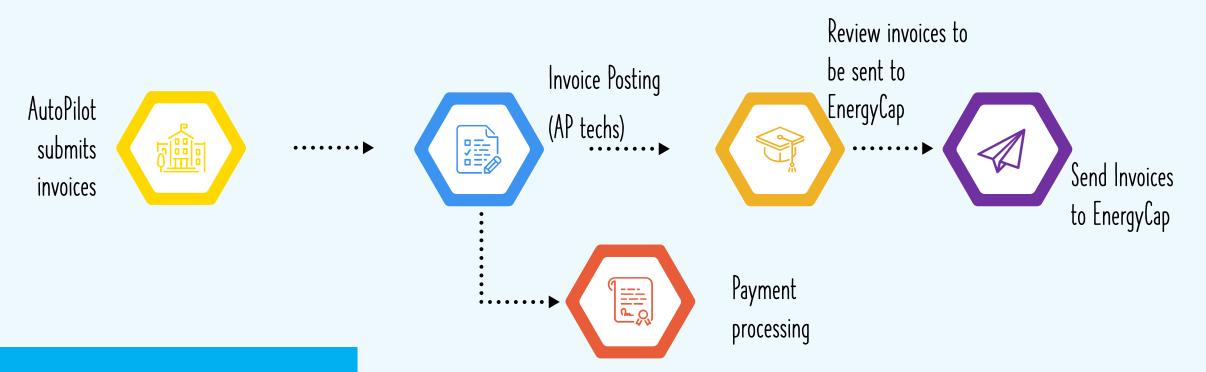








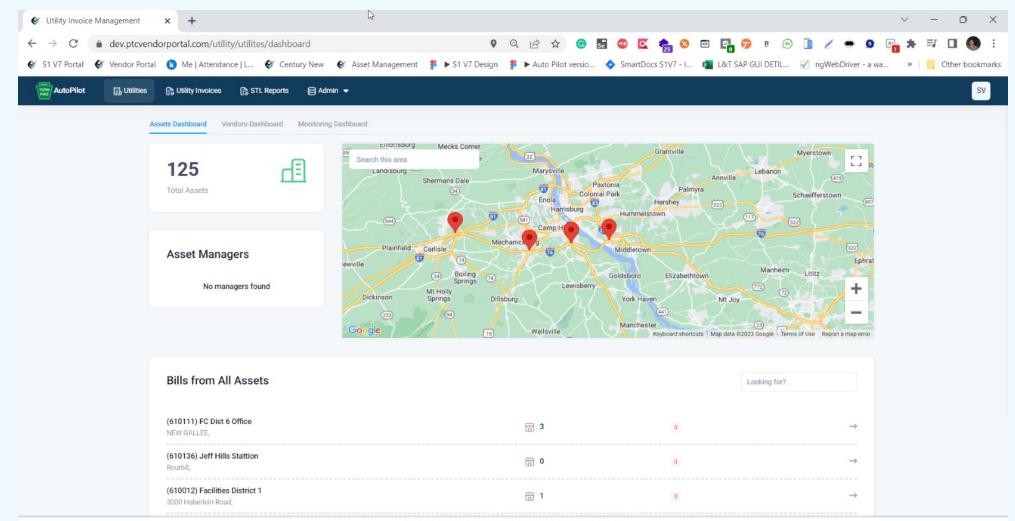
Utility Invoices



- Automatically pulling from vendor website
- Paper invoices and email invoices mailed to AutoPilot email



Asset Dashboard



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Vendor Dashboard

AutoPilot	ities 🕞 Utility Invoices 🕞 STL R	Reports 📄 Adm	in 👻				2
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	117 Utility Vendors	æ	Bills from All Utility Vendors		Looking for		
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	S Water	52	(100) ePlus Technology Inc 4660 Trindle Rd Ste 101,Camp Hill,PA,17011	6 0	0	→	
	Sanitation	3	(2000000154) PENN TWP SEWAGE AUTHORITY 1032 NIKE SITE RD,IRWIN,PA,15642	層 1	0	→	
	🛕 Gas	9	(30) Bedford Valley Petroleum Corp 10228 Lincoln Highway,Everett,PA,15537	6 🖼	0	<i>→</i>	
	Janitorial Services	1 28	(254) Mansfield Oil Co of Gainesville Inc 1025 Airport Parkway SW,Gainesville,GA,30501-6813	窗 0	0	→	
	Electricity	16	(401) AmeriGas Propane LP 460 N Gulph Rd,King of Prussia,PA,19406	窗 0	0)	→	
			(592) Talley Petroleum Enterprises Inc 10046 Allentown Blvd Grantville PA 17028	岡 0	0	→	

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← Business Admin	Vault [282] Vault consists of a collection of secrets the	at can be used to provide	sensitive information, such as credentials & passwords			Vault Credentials			
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EnergyCap Review

Vendor Portal 🔠 Dashboard 🍄 Procurement 🖺 Invoicing 🖺 Utility Invoices 🗐 Expenses 🗐 OCR-Q 🖾 Tickets-Q 🕃 Requests 🗐 Reports 🖨 Admin

⊠<mark>72</mark> ⊒2 + SC

÷ 📃	EnergyCAP Invoices	iting for Review Completed Reports									
Asset	Utility Vendo		Account Number	Date Range						_	
	۹	Q All •	Ş	Select From	n & To Dates 📋	Q Search	Download 🗸		Send to EnergyC/	P Set to	o Obsolete
	Vendor	Asset	Account Number	Invoice Number	Invoice Date	Last Update 🗸	Channel	Amount	Status	Actions	
	AE 2-364 Adams Electric	9885 Vertex Homes 2118 Thornridge Cir. Syracuse, Connecticut 35624	6557000265	9506932861	Jan 08, 2022	Jan 12, 2022	Auto Pilot	64,120.0 USD	Posted	Actions ¥	G 🔗
	CG 2-174 Columbia Gas of PA	9507 Triangle Heights 2464 Royal Ln. Mesa, New Jersey 45463	2377471239	2112032819	Nov 27, 2021	Jan 12, 2022	Auto Pilot	24,120.0 USD	• Posted	Actions ¥	G 🔗
	W 2-415 Windstream	9621 Dream Max 8502 Preston Rd. Inglewood, Maine 98380	2112032819	5351022502	Nov 27, 2021	Jan 12, 2022	Auto Pilot	14,120.0 USD	• Posted	Actions ¥	G 🏈
	VA 2-3015 Verizon Albany	1906 Russell Contracting 2972 Westheimer Rd. Santa Ana, Illinois 85486	9506932861	1501341233	Nov 27, 2021	Jan 12, 2022	Auto Pilot	25,020.0 USD	• Posted	Actions ~	G 🔗
	A 401 AmeriGas	2452 Sthapatya Green 2972 Westheimer Rd. Santa Ana, Illinois 85486	8524792206	1696086371	Nov 27, 2021	Jan 12, 2022	Auto Pilot	34,100.0 USD	• Posted	Actions ~	G 🔗
	AE 2-364 Adams Electric	1988 Precious Homes 6391 Elgin St. Celina, Delaware 10299	1565015004	1883798829	Nov 20, 2021	Jan 12, 2022	Auto Pilot	42,620.0 USD	• Posted	Actions ~	G 🔗
	CG 2-174 Columbia Gas of PA	9617 Western Buildes 1901 Thornridge Cir. Shiloh, Hawaii 81063	1883798829	8524792206	Nov 20, 2021	Jan 12, 2022	Auto Pilot	42,620.0 USD	• Posted	Actions ¥	G 🛷
	W 2-415 Windstream	5134 B Square Construction 4517 Washington Ave. Manchester, Kentucky 3949	9501956750	2377471239	Nov 20, 2021	Jan 12, 2022	Auto Pilot	42,620.0 USD	Posted	Actions ¥	G 🔗
	VA 2-3015 Verizon Albany	2227 Everest Height 2715 Ash Dr. San Jose, South Dakota 83475	5351022502	6255877057	Nov 20, 2021	Jan 12, 2022	Auto Pilot	42,620.0 USD	Posted	Actions ¥	G 🔗
	A 401 AmeriGas	2754 Bright Stone 4140 Parker Rd. Allentown, New Mexico 31134	1641617565	1565015004	Nov 20, 2021	Jan 12, 2022	Auto Pilot	42,620.0 USD	Posted	Actions ¥	G 🔗
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STL in SAP

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		1	LEHIGH COUNTY AUTHORITY	2000002113			Non-PO Utility Invoice	AUTOPILOT		4000: 0
	0	Utility Invoice Missing on Last Mnth		2000002113	2557463		Non-PO Utility Invoice	AUTOPILOT		40003
	٩	Missing Mandatory Data		null	200004246399	302.11	Non-PO Utility Invoice	AUTOPILOT	4	40003
	٩	Missing Mandatory Data	BEAVER FALLS MUN. AUTH.	2000000410		30.83	Non-PO Utility Invoice	AUTOPILOT	4	40003
	٩	Missing Mandatory Data	Authority of the Borough of Charler	2000000570		104.99	Non-PO Utility Invoice	AUTOPILOT	4	40003
	٩	Missing Mandatory Data	Authority of the Borough of Charler	2000000570		104.99	Non-PO Utility Invoice	AUTOPILOT	4	40003
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	٥	Utility Invoice Missing on Last Mnth	Bucks County Water & Sewer Authorit	200000088	1025058-00	43.63	Non-PO Utility Invoice	AUTOPILOT	4	40003
	٩	Missing Mandatory Data		null	BOQJ3818.xls	185.00	Non-PO Utility Invoice	AUTOPILOT	4	40003

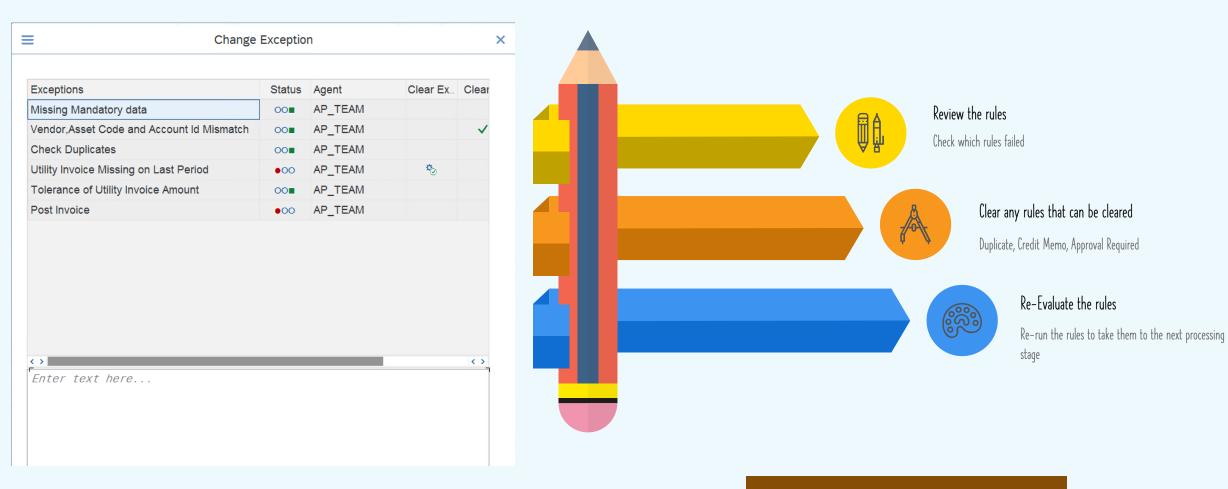


Invoice Cockpit in SAP

< SAP		SmartDocs cockpit for 4	100037756 - Post Invoice
✓	P Comments 🚽 Cancel Workflow	a Exceptions 🚹 Attachments	🗢 Header 🗌 Log Data 📑 Attachments More 🗸
Digitize I Botify I Tran	General Activities		
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Invoice Type Non-PO U	tility Invoi Processing Stage	Invoice Posting	
Main General Vendor	Balance Details Last Period Invoices	0.00	
Invoice Date	12/15/2022	Go to Vendor link	Go to Asset link
Posting Date	03/02/2023	Vendor	2000002113 LEHIGH COUNTY AUTHORIT
SAP Document No	Year 0 📫	Vendor Inv No	2557462
Submitter Email		Asset Code	AC_0324A2
Header Text	*2557463	Account ID	30182
Period/Dates of Service	<u></u>	Bill Amount	95.20
Channel	AUTOPILOT	Last Month Bill Amt	95.20 USD



Invoice Cockpit - Business Rules/Exceptions



Re-Evaluate Rules Re-run the Business ru



Utilities Audit Report in SAP

	SAP					SmartDocs Utility Invoices	PAR						
~			✓ SAP Inbox S	SmartPayables Invoice PAR	Cancel						□.	2 9	o Exit
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Demo

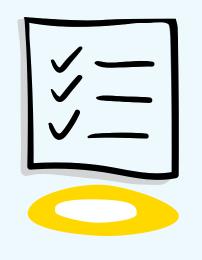
Utility Invoice Processing





Patterns & Anti Patterns

DOs and DON'Ts





$\ensuremath{\mathsf{DOs}}$ and $\ensuremath{\mathsf{DON'Ts}}$

Collaboratively administrate turnkey channels whereas virtual retailers.



Plan for Change Management Proactively and aggressively plan for change. Recruit Process Campions in various departments



Integrated Solution

Plan for an integrated solution with your core systems. Including your ERP and ITSM systems



Limit Customizations

Though your business is unique, try to minimize enhancements and modifications in core systems



Inadequate Testing / UAT

Ensure extensive and proper testing is done Transformation means change to Status Quo



Forcing Process Changes

Without proper buying from all departments don't roll out changes that effect different parties



Unprepared for Change

Not adequately prepared for the changes





