

AI Powered AP Automation with Costpoint/Unanet

APRIL 2, 2025

With You Today



NICOLAS SANDROS

Managing Director
Data & AI Delivery Leader
BDO Digital

nsandros@bdo.com



Learning Objectives

Upon completion of this session, participants will be able to

- ▶ Review how validation processes can be made to catch all exceptions for every transaction by using intelligent automation
- ▶ Explore efficient data entry techniques with Unanet and Costpoint ERP systems
- ▶ Gain insights into improving operational efficiency and reducing manual errors



Agenda



Accounts Payable Automation



Multi-Page Semi-Structured Invoices



BDO Extractor Review & Train



BDO Action Center



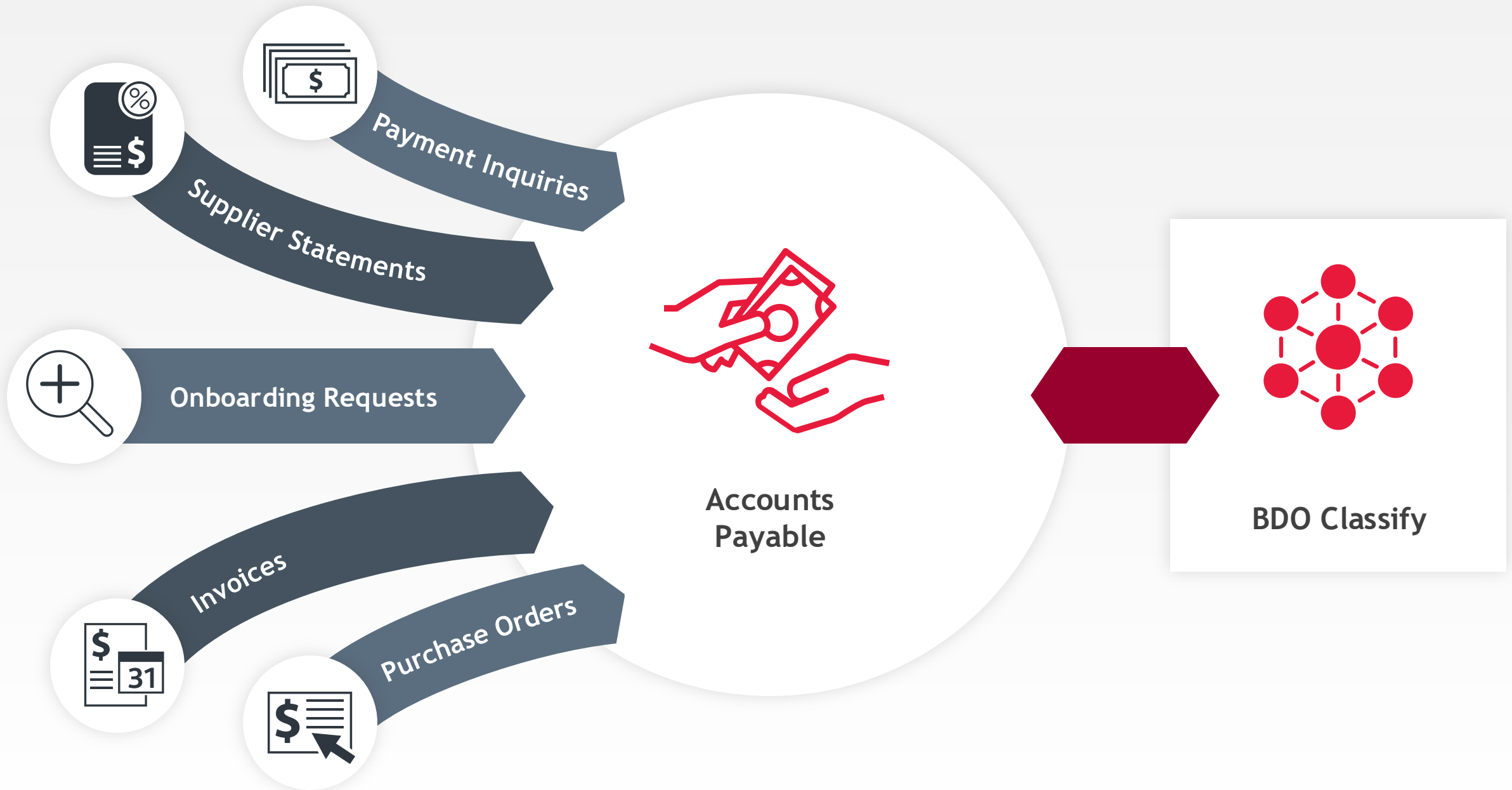
Costpoint Automated Invoice Entry Demo



Q&A

Accounts Payable Automation



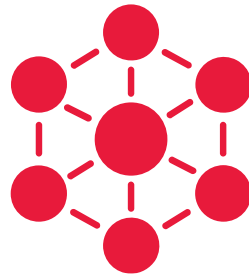


BDO Classify and Extractor



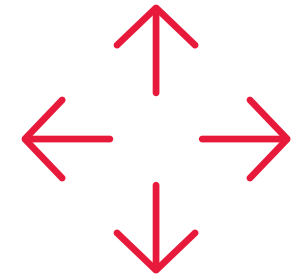
Invoice Document

Invoices received as attachments or in the body of an email



BDO Classify Classification Engine

Using GenAI to analyze the content or email attachment to classify the document type



BDO Extractor Intelligent Data Extraction

Using Instant Learning Model to extract all requested fields and learns with a single retrain

Multi-Page Semi-Structured Invoices



AnaLock

800 SouthMain,
FallRiver, MN 56701-0677
USA

www.analock.com
Global Customer Support
+1 (800)-700-1000

Invoice # 537492109

Bill To: BDO Digital, LLC
ACCTS PAYABLE
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Ship To: KEVIN SMITH
BDO Digital, LLC
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Purchase Order: 0000646362
Salesorder / Packlist: 86953529 /PL1 78
Account: 4657123
Customer:
Payment Terms: Net 30 Days
Shipping Method:
Tracking #: 23358612909

Buyer: BDO Digital, LLC
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Ship From: AnaLock Electronics
800 SouthMain,
FallRiver, MN 56701-0677
USA

Order Source:	Order Date:	Invoice Date:	Ship Date:	Document Date:
EMAIL	13-May-2024	13-May-2024	13-May-2024	13-May-2024/AUTO

Line Item	Ordered	Cancelled	Shipped	Item Number/ Description	Unit Price USD \$	Amount USD \$
1	1	0	1	PART: 1030-CCP0.13BK100-ND MFG : TechFlex / CCP0.13BK100 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVING 1/8" X 100' BLK ECCN: EAR99 HTSUS: 5808.10.9000	24.63000	24.63
2	1	0	1	PART: 1030-CCP0.25BK100-ND MFG : TechFlex / CCP0.25BK100 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVING 1/4" X 100' BLK ECCN: EAR99 HTSUS: 5808.10.9000	28.14000	28.14
3	1	0	1	PART: 1030-CCP0.75BK75-ND MFG : TechFlex / CCP0.75BK75 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVE 3/4" X 75' BLACK ECCN: EAR99 HTSUS: 5808.10.9000	40.46000	40.46
4	3	0	3	PART: A106195-ND MFG : TE Connectivity AMP Connectors / 2-2198617-5 COO : DENMARK ROHS COMP REACH NOT AVAILABLE Jan-2021 DESC: CONN BACKSHELL 25POS 180DEG SHLD ECCN: EAR99 HTSUS: 8538.90.8180	6.29000	18.87
5	3	0	3	PART: 1122-1249-ND MFG : TE Connectivity Aerospace, Defense and Marine / 205559-2 COO : MEXICO ROHS NONC REACH AFFECTED Jan-2021 DESC: CONN D-SUB RCPT 25POS CRIMP ECCN: EAR99 HTSUS: 8536.69.8000	48.42000	145.26

Analog

800 SouthMain,
FallRiver, MN 56701-0677
USA

www.analog.com
Global Customer Support
+1 (800)-700-1000

Invoice # 537492109

Line Item	Ordered	Cancelled	Shipped	Item Number/ Description	Unit Price USD \$	Amount USD \$
6	3	0	3	PART: 116-1029-ND MFG : Cinch Connectivity Solutions / DPHE003 COO : CANADA ECCN: EAR99 HTSUS: 8538.90.8180 ROHS3 COMP REACH UNAFFECTED Jan-2018 Mercury: Cert on File. For more information contact	3.41000	10.23
7	1	0	1	PART: 122-1530-ND MFG : AMD / HW-USB-FLYLEADS-G COO : MALAYSIA ECCN: EAR99 HTSUS: 8544.42.9090 ROHS3 COMP REACH UNAFFECTED Jan-2017	27.60000	27.60
8	4	0	4	PART: A5855W-100-ND MFG : Alpha Wire / 5855 WH005 COO : MEXICO ECCN: EAR99 HTSUS: 8544.49.3080 ROHS3 COMP REACH UNAFFECTED Jun-2023 Mercury: Cert on File. For more information contact	108.73000	434.92
9	2	0	2	PART: 501-1077-ND MFG : Pomona Electronics / 1825-2 COO : UNITED STATES OF AMERICA ECCN: EAR99 HTSUS: 8536.69.8000 ROHS3 COMP REACH UNAFFECTED Jun-2022	2.47000	4.94
10	2	0	2	PART: 501-1076-ND MFG : Pomona Electronics / 1825-0 COO : UNITED STATES OF AMERICA ECCN: EAR99 HTSUS: 8535.90.8040 ROHS3 COMP REACH UNAFFECTED Jun-2022	2.47000	4.94
11	6	0	6	PART: WM2774-ND MFG : Molex / 0430310008 COO : CHINA ECCN: EAR99 HTSUS: 8536.90.4000 ROHS3 COMP REACH UNAFFECTED Jul-2017 Mercury: Cert on File. For more information contact Section 301 Tariff	0.26000	1.56
12	50	0	50	PART: 1212-M39029/58-360-ND MFG : Preci-Dip / M39029/58-360 COO : SWITZERLAND ECCN: EAR99 HTSUS: 8536.90.4000 ROHS3 COMP REACH UNAFFECTED Jan-2023	0.32320	16.16
13	50	0	50	PART: 1506-1057-ND MFG : TE Connectivity Deutsch Connectors / M39029/56-348 COO : MEXICO ECCN: EAR99 HTSUS: 8536.90.4000 ROHS3 COMP REACH AFFECTED Jan-2021	0.75240	37.62

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Analock

800 SouthMain,
FallRiver, MN 56701-0677
USA

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Invoice # 537492109

Sales Amount	795.33
Tariff Amount	0.16
Total Sales and Tariff	795.49
Shipping charges applied	29.99
** Charges subtotal **	825.48
Total due - Pay from this invoice	825.48
	USD \$
Tax Exempt	

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BDO Extractor Review & Train



AnaLock

800 SouthMain,
FallRiver, MN 56701-0677
USA

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Global Customer Support
+1 (800)-700-1000

Invoice # 537492109

Bill To:
BDO Digital, LLC
ACCTS PAYABLE
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Ship To:
KEVIN SMITH
BDO Digital, LLC
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Purchase Order: 9888646362
Salesorder / Packlist: 86933529 / PL178
Account: 4657123
Customer:
Payment Terms: Net 30 Days
Shipping Method:
Tracking #: 23358612909

Buyer:
BDO Digital, LLC
2600 W. Big Beaver Road, Suite 600
Troy, MI 48084

Ship From:
AnaLock Electronics
800 SouthMain,
FallRiver, MN 56701-0677
USA

Order Source:	Order Date:	Invoice Date:	Ship Date:	Document Date:
EMAIL	13-May-2024	13-May-2024	13-May-2024	13-May-2024/AUTO

Line Item	Ordered	Cancelled	Shipped	Item Number/ Description	Unit Price USD \$	Amount USD \$
1	1	0	1	PART: 1030-CCP0.13BK100-ND MFG : Techflex / CCP0.13BK100 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVING 1/8" X 100" BLK ECCN: EAR99 HTSUS: 5808.10.0000	24.63000	24.63
2	1	0	1	PART: 1030-CCP0.25BK100-ND MFG : Techflex / CCP0.25BK100 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVING 1/4" X 100" BLK ECCN: EAR99 HTSUS: 5808.10.0000	28.14000	28.14
3	1	0	1	PART: 1030-CCP0.75BK75-ND MFG : Techflex / CCP0.75BK75 COO : UNITED STATES OF AMERICA ROHS3 COMP REACH UNAFFECTED Jun-2022 Mercury: Cert on File. For more information contact DESC: EXPAND SLEEVE 3/4" X 75" BLACK ECCN: EAR99 HTSUS: 5808.10.0000	40.46000	40.46
4	3	0	3	PART: 6122-12BK-ND MFG : TE Connectivity AMP Connectors / 2-2180617-5 COO : DENMARK ROHS COMP REACH NOT AVAILABLE Jan-2021 DESC: CONN BACKSHELL 25POS 180DEG SHLD ECCN: EAR99 HTSUS: 8538.90.8190	5.29000	15.87
5	3	0	3	PART: 6122-12BK-ND MFG : TE Connectivity Aerospace, Defense and Marine / 205559-2 COO : MEXICO ROHS NONC REACH AFFECTED Jan-2021 DESC: CONN D-SUB MCF 26POS D19M ECCN: EAR99 HTSUS: 8536.69.8000	48.42000	145.26

120% Show Grids

#	Quantity	Product Code	Description	Price	Line Amount
1	1	1030-CCP0.13BK100-ND	EXPAND SLEEVING 1/8 X 100 ' BLK	24.63000	24.63
2	1	1030-CCP0.25BK100-ND	EXPAND SLEEVING 1/4 X 100 ' BLK	28.14000	28.14
3	1	1030-CCP0.75BK75-ND	EXPAND SLEEVE 3/4 X 75 ' BLACK	40.46000	40.46

Digi Key Invoice Modified - Copy.pdf

Exit

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FINAL RESULTS

Fields		
account_number	4657123	✓
invoice_amount	208.53	✓
invoice_date	13 - May - 2024	✓
invoice_number	537492109	✓
Invoice_Subtotal	24.63	✓
net_d	Net 30	✓
po_number	0000646362	✓
seller_name	AnaLock Electronics	✓
total_due_amount	208.53	✓
payment_due_date	Draw a box over this data on the image	
shipping_handling_charges	Draw a box over this data on the image	
Tax	Draw a box over this data on the image	

Line Items

Approve file

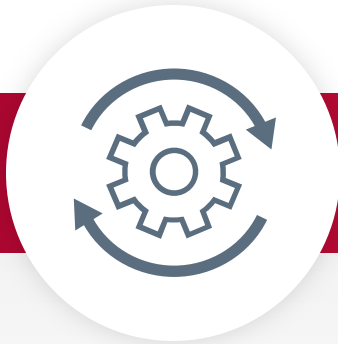
BDO Action Center



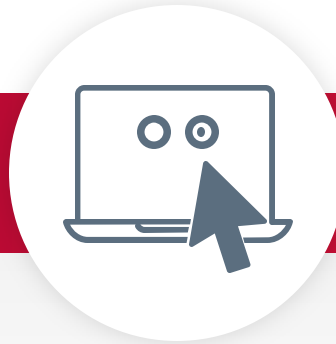
BDO Action Center



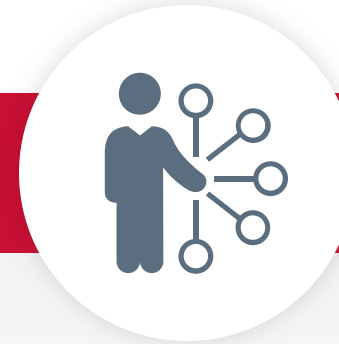
**Review
Invoice**



Retrain



**Approve or
Reject**



**Delegate
Review**



**Automated
ERP Entry**

UiPath

Action Center

Overview

Inbox

Admin Settings

?

🔔

Tenant: BDDigital

NS

Invoice Processing #27693886

Unassigned

⚠️

To complete this task, [Assign to self](#)

Task Summary

Description

Invoice Processing of AnaLock Electronics is processed successfully. Please review details below.

Link to Validation Station

[Link](#)

Document Summary

Vendor	PO Number	Account Number	Invoice Number	Invoice Date	Invoice Due Date	Invoice Total	Payment Terms	Tax
AnaLock Electronics	0000646362	4657123	537492109	13 - May - 2024	06/12/2024	825.48	Net 30	0

Match Validation

Line Item	Description	Quantity	Unit Price	Total
1	EXPAND SLEEVING 1/8 X 100 ' BLK	1	24.63000	24.63
2	EXPAND SLEEVING 1/4 X 100 ' BLK	1	28.14000	28.14
3	EXPAND SLEEVE 3/4 X 75 ' BLACK	1	40.46000	40.46
4	CONN BACKSHELL 25POS 180DEG SHLD	3	6.29000	18.87
5	CONN D - SUB RCPT 25POS CRIMP	3	48.42000	145.26
6	CONN BACKSHELL 9POS 180DEG BLACK	3	3.41000	10.23
7	BOARD ADAPTER AND FLY LEADS	1	27.60000	27.60
8	HOOK - UP STRND 22AWG WHITE 100 '	4	108.73000	434.92

AnaLock

800 SouthMain,
FairRiver, MN 56701-0677
USA

www.analock.com
Global Customer Support
+1 (800)-790-1000

Invoice # 537492109

25 BDO Digital, LLC
25 ACCTS PAYABLE
2600 W. Big Beaver Road, Suite 600
Troy, MI 48064

25 KEVIN SMITH
25 BDO Digital, LLC
2600 W. Big Beaver Road, Suite 600
Troy, MI 48064

25 BDO Digital, LLC
25 2600 W. Big Beaver Road, Suite 600
Troy, MI 48064

25 BDO Digital, LLC
25 2600 W. Big Beaver Road, Suite 600
Troy, MI 48064

25 AnaLock Electronics
25 800 SouthMain,
25 FairRiver, MN 56701-0677
25 USA

Purchase Order: 000046262
Subcontract / Packlist: 8695329 JPL1 76
Account: 4657123
Customer:
Payment Terms: Net 30 Days
Shipping Method: 2359812909
Tracking #:

Order Source:	Order Date:	Invoice Date:	Ship Date:	Document Date:
ENR31	13-May-2024	13-May-2024	13-May-2024	13-May-2024/UTC

Line Item	Ordered	Cancelled	Shipped	Item Number/Description	Unit Price USD \$	Amount USD \$
1	1	0	1	PART: 1030-COMP-1386100-ND MFG: TeconFax / CDFP-1386100 CND: UNITED STATES OF AMERICA BOD: C4800 MFGS COMP REACH UNEXPECTED Jun-2023 MFGS: Cert on File. For more information contact	BASIC: EXPAND SLEEVING 1/8" X 100' BLK MTWGS: 5000.00.0000	24.63000 24.63
2	1	0	1	PART: 1030-COMP-2006100-ND MFG: TeconFax / CDFP-2006100 CND: UNITED STATES OF AMERICA BOD: C4800 MFGS COMP REACH UNEXPECTED Jun-2023 MFGS: Cert on File. For more information contact	BASIC: EXPAND SLEEVING 1/4" X 100' BLK MTWGS: 5000.00.0000	28.14000 28.14
3	1	0	1	PART: 1030-COMP-700675-ND MFG: TeconFax / CDFP-700675 CND: UNITED STATES OF AMERICA BOD: C4800 MFGS COMP REACH UNEXPECTED Jun-2023 MFGS: Cert on File. For more information contact	BASIC: EXPAND SLEEVE 3/4" X 75' BLACK MTWGS: 5000.00.0000	40.46000 40.46
4	3	0	3	PART: A058100-ND MFG: TE Connectivity AMP Connectors / 3-2580017-0 CND: US-USA MFGS COMP REACH NOT AVAILABLE Jun-2023	BASIC: CONN BACKSHELL 25POS 180DEG SHLD MTWGS: 6030.00.0000	6.29000 18.87
5	3	0	3	PART: 1132-1240-ND MFG: TE Connectivity Aerospace, Defense and Marine / 000000-2 CND: US-USA MFGS COMP REACH AFFECTED Jun-2023	BASIC: CONN D-SUB RCPT 25POS CRIMP MTWGS: 6030.00.0000	48.42000 145.26

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Invoice Processing #27155609

Pending

Invoice Processing of The International Inc has encountered an issue with Invoice line Items. Please review details below.

[Link](#)

Document Summary

Vendor	PO Number	Account Number	Invoice Number	Invoice Date	Invoice Due Date	Invoice Total	Payment Terms	Tax
The International Inc	343445	NA	963810	10/13/2023	11/12/2023	315.29	30	22.29

Invoice Validation

Line Item	Description	Quantity	Unit Price	Total	Exception
1	Access Control - Materials	1	49	49	NA
2	Intrusion Detection - Materials	1	117	117	NA
3	Security Control - Materials	1	117	117	No Match

PO Details

Line Item	Description	Quantity	Unit Price
1	Access Control - Materials	10	49
2	Intrusion Detection - Materials	10	117

Goods Receipt Details

Line Item	Description	Quantity	Unit Price	Total
1	Access Control - Materials	1	49	49
2	Intrusion Detection - Materials	1	117	117

Invoice Processing Options

Click Reject to reject the invoice extraction, along with providing details of why it is rejected.

Reject

Click Ignore to disregard this invoice.

Ignore

Click Approve to submit the invoice extractions.

Approve

The International Inc.
290290 Buffalo Speedway Rd
ZooPark, TX 90901
USA@theinternational.com

Invoice

BILL TO

BDO Digital Inc
2929 Allen Pkwy 20th Floor,
Houston, TX 77019

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
963810	10/13/2023	\$315.29	11/12/2023	Net 30	

AUTHORIZED BY	PO NUMBER	TRACKING
Nick	343445	DD:12345

Product Code	DESCRIPTION	QTY	RATE	AMOUNT
ZN-ZTW	Access Control - Materials	1	49.00	49.00T
ZN-117	Intrusion Detection - Materials	1	117.00	117.00T
ZN-118	Security Control - Materials	1	117.00	117.00T
	Pick-up & Delivery	1	10.00	10.00

SUBTOTAL

TAX

TOTAL

BALANCE DUE

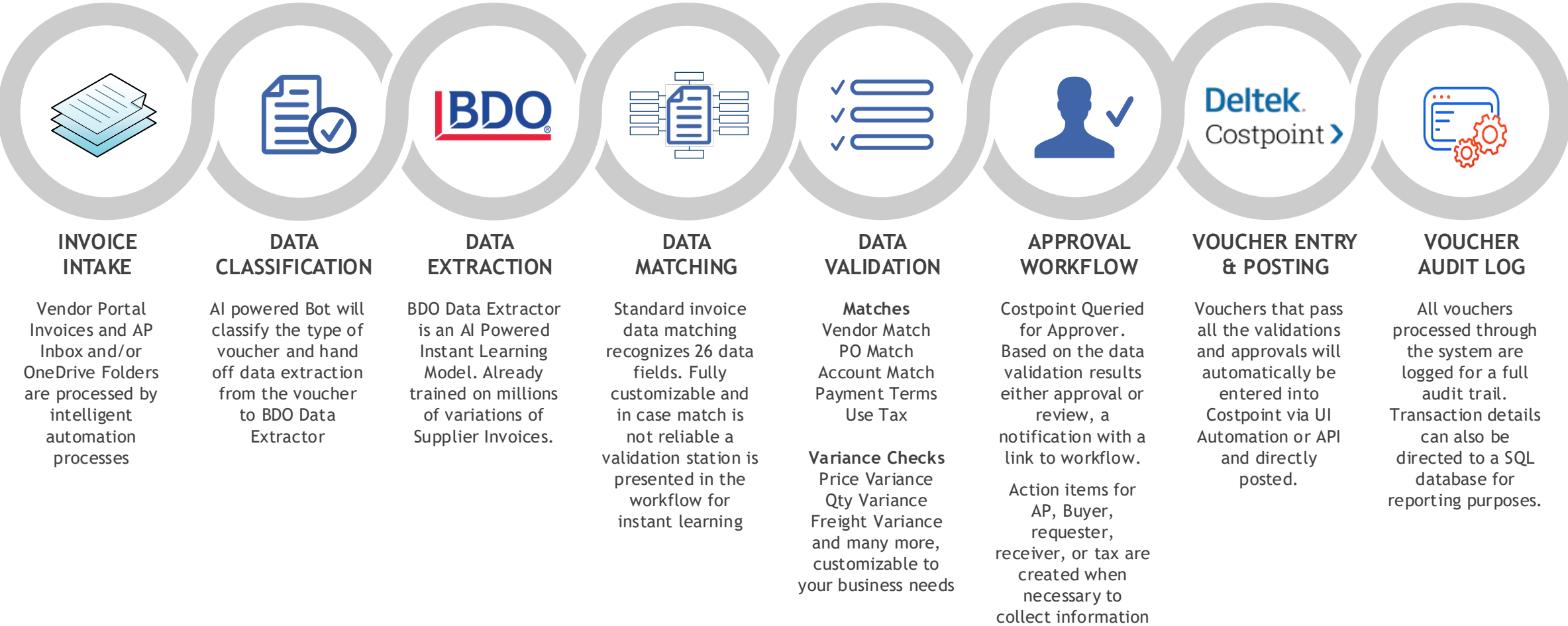
293.00

22.29

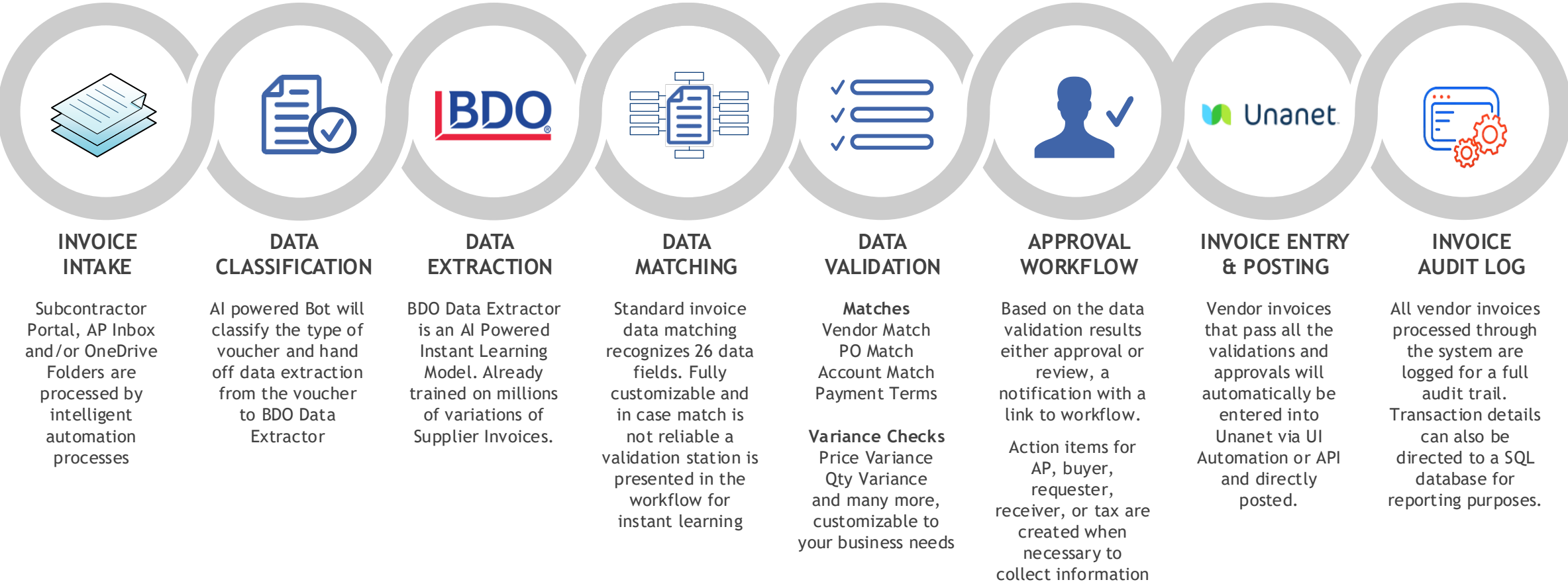
315.29


\$315.29

BDO Accounts Payable Automation - Costpoint



BDO Accounts Payable Automation - Unanet



A modern office interior featuring a wide staircase with a glass railing, a lounge area with a curved sofa and a red side table, and a reception desk with a large window overlooking a city skyline. The reception desk has the 'IBDO' logo on it. The overall atmosphere is professional and contemporary.

About BDO USA

Our purpose is helping people thrive, every day. Together, we are focused on delivering exceptional and sustainable outcomes and value for our people, our clients and our communities. BDO is proud to be an ESOP company, reflecting a culture that puts people first. BDO professionals provide assurance, tax and advisory services for a diverse range of clients across the U.S. and in over 160 countries through our global organization.

BDO is the brand name for the BDO network and for each of the BDO Member Firms. BDO USA, P.C., a Virginia professional corporation, is the U.S. member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms. For more information, please visit: www.bdo.com.

Material discussed is meant to provide general information and should not be acted on without professional advice tailored to your needs.

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