

Right Supplier. Right Price. Right Now.

Predictive Procurement: Transforming 'Dirty Data' Into Rapid Cost Savings

April 2024

<u>www.arkestro.com</u>







Edmund Zagorin

Founder & CSO



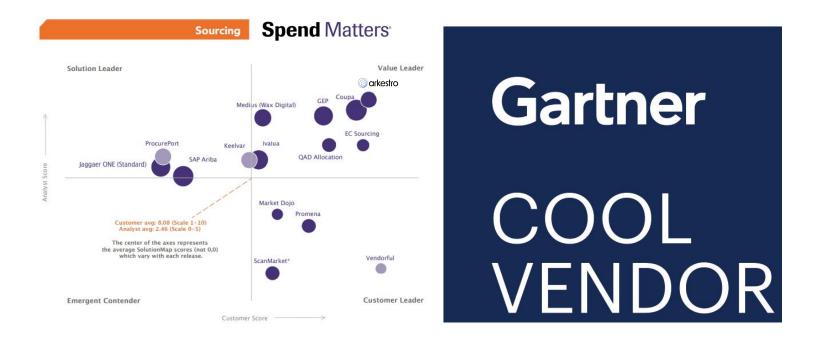
the network for sourcing executives







In 2021, our team at Arkestro won recognition for being the best Al-driven approach to run an RFQ or RFP





Arkestro brings game theory and machine learning to procurement with \$26M investment

Ron Miller @ron_miller / 7:00 AM PDT • June 14, 2022

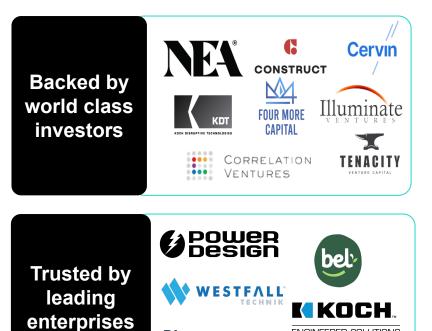




NEA®

FOUR MORE CAPITAL

Our Mission: Amplify the Impact of Procurement's Influence



Bloomenergy





Jeff Immelt **Board Member**



Rob DeSantis Co-Founder & **Board Member**



Cindy Padnos Board Member



Neil Lustig Chief Executive Officer



Edmund Zagorin Co-Founder & Board Member



What is Predictive Procurement?



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Procurement Transformations Often Set Out With Bold Ambitions



Build Great Stakeholder Relationships To Influence More Spend Deliver Best-In-Class Annual Financial Outcomes Manage and Mitigate Supply Risks to Business Continuity Deliver A Great Customer Experience & Supplier Experience Increase Savings Per Headcount and ROI of Procurement

💿 arkestro

7

Problem

'Dirty data' in procurement makes it hard to deliver better or faster procurement outcomes <u>**at scale across all spend</u></u></u>**



Item descriptions are wrong or incomplete



Purchase price variance can be driven by urgency & quantity 0 0 0 0 × 0 0 0 0

'Spot buys' + ad hoc non-catalog purchasing create a 'noise ocean'

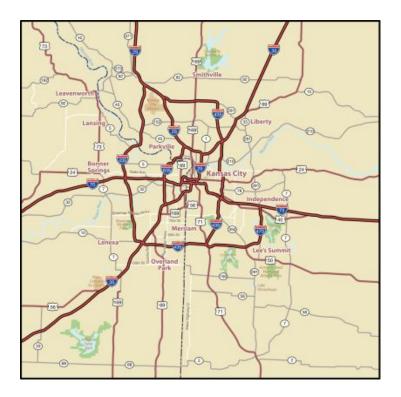


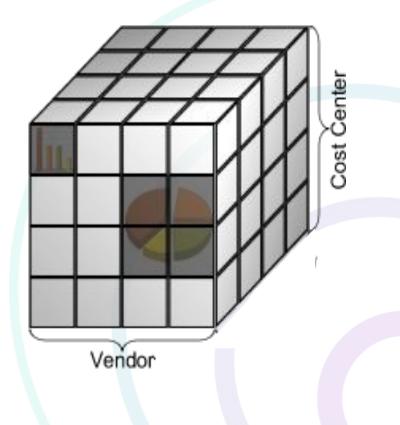


Is it possible to see 'dirty data' in procurement as an OPPORTUNITY for rapid cost savings rather than a BLOCKER for transformation?

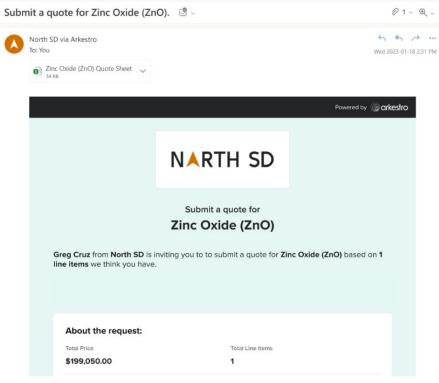
REACTIVE PROCUREMENT	PREDICTIVE PROCUREMENT
Measure success vs backwards-looking baseline	Measure success vs forward-looking benchmark
Quoted offer is one-time, validated using static rules, often requires competitive offers to validate	Quoted offer is iterative, validated using dynamic rules, can be benchmakred without additional competitive offers
Quoted offer data is manually entered or copied into complex table, errors are found by analyst	Quoted offer data is generated or checked against a predictive model using AI to find errors without an analyst



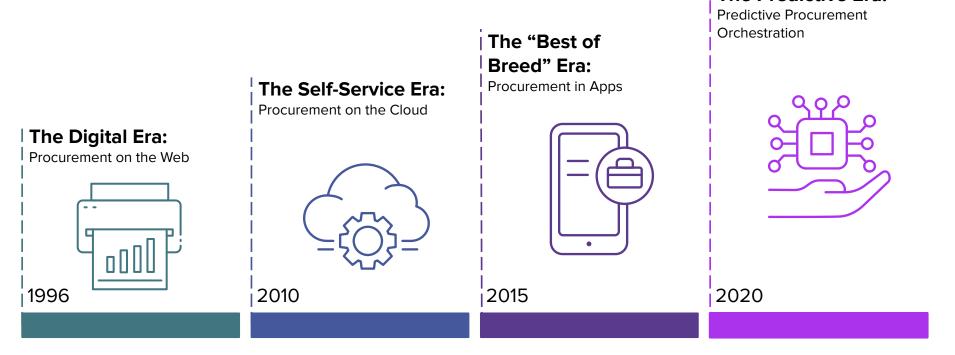








How did we get here?



The Predictive Era:

Laying the Foundation for Market-Level Predictions

Enabling our customers to efficiently find and act on the market competitive price, optimum procurement process, and timing across 100% of their spend, balanced with risk. **Highest Price** Relative competitive Market Competitive Price intensity of a market space personalized Lowest Price for any supplier Volume

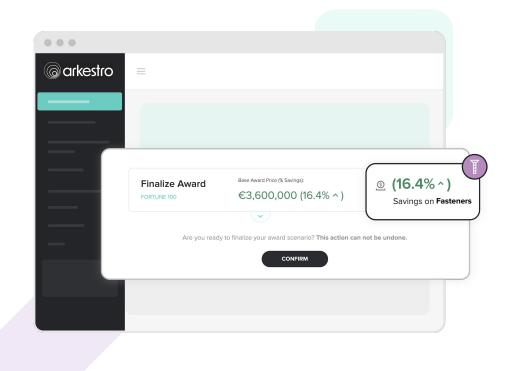








€590K saved on €3.6M in spend for fasteners

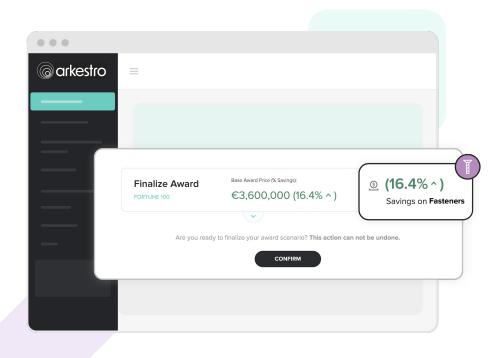






€590K saved on €3.6M in spend for fasteners

5,000+ unique SKUs



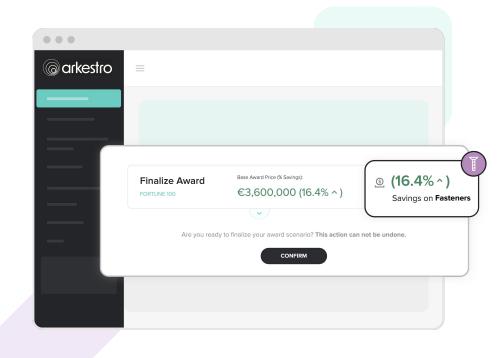


The Chemical Company

€590K saved on €3.6M in spend for fasteners

5,000+ unique SKUs

Less than 2 weeks





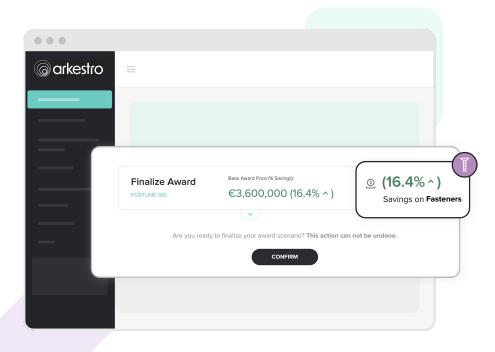
The Chemical Company

€590K saved on €3.6M in spend for fasteners

5,000+ unique SKUs

Less than 2 weeks

No supplier logged into app





BASF was excited by the results

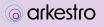


Sven Theysohn Head of Procurement BASF Coatings Americas

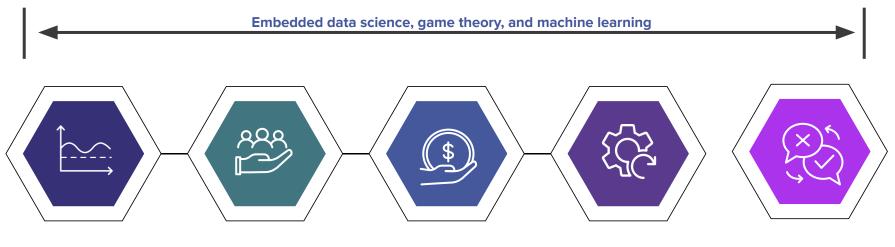


The Chemical Company

"The financial results of Arkestro are quite impressive."



How Arkestro differentiates to enable our customers to drive savings faster, at scale



Predict & SuggestPredict & SuggestAutomationCollaborativeBaselineSuppliersQuoted OfferIn EmailFeedback

Category independent algorithms allow Arkestro to add value across all spend categories: Indirect, Direct, MRO, Logistics, Services and more, from spot buys to strategic negotiations.



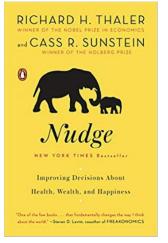
Suggested Offers & Instant Counter-Offers

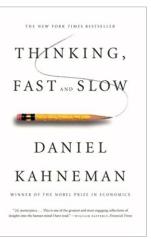


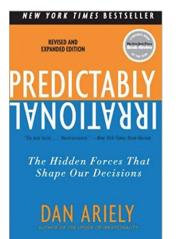
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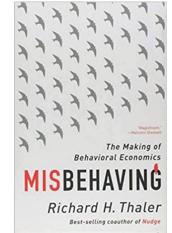
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Autonomous systems predict human responses using models from behavioral science









The Behavioral Science of Suggested Offers

People select the recommended option, especially if they don't have a pre-existing preference



Studies show this is especially true in procurement negotiations ...in control conditions whoever, the buyer or seller, made the first offer in a single issue, distributive negotiation, determined the final selling price, with higher final prices when a seller made the first offer than when a buyer made the first offer. In these conditions,

over half of the variance in outcomes of simulated price negotiations between experienced managers could be explained by first offers

(Galinsky & Mussweiler, 2001; see also Kray et al., 2001 and Van Poucke & Buelens, 2002 for similar findings).

Lewicki, Roy J., Barry, Bruce, Saunders, David M. "Essentials of Negotiation", McGraw-Hill, 2007 Studies show this is especially true in procurement **negotiations** ...in control conditions whoever, the buyer or seller, made the first offer in a single issue, distributive negotiation, determined the final selling price, with higher final prices when a seller made the first offer than when a buyer made the first offer. In these conditions,

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Lewicki, Roy J., Barry, Bruce, Saunders, David M. "Essentials of Negotiation", McGraw-Hill, 2007 "The final price of an item is often higher when the seller makes the first offer than when the buyer takes the lead... Buyers should always aim to put the first offer on the table, and therefore set the anchor for negotiations."

– Chartered Institute of Procurement and Supply





Collaborative Feedback & Faster 'Best and Final' Offers



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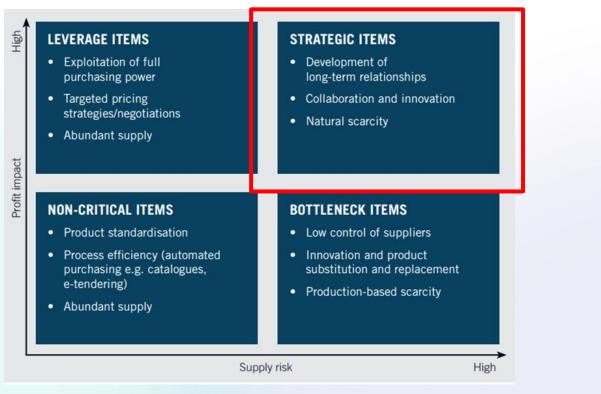
Autonomous Sourcing without 'Predictive Procurement Orchestration' is

primarily for Indirect Spend associated with the Leverage Suppliers

 LEVERAGE ITEMS Exploitation of full purchasing power Targeted pricing strategies/negotiations Abundant supply 	 STRATEGIC ITEMS Development of long-term relationships Collaboration and innovation Natural scarcity
 NON-CRITICAL ITEMS Product standardisation Process efficiency (automated purchasing e.g. catalogues, e-tendering) Abundant supply 	 BOTTLENECK ITEMS Low control of suppliers Innovation and product substitution and replacement Production-based scarcity

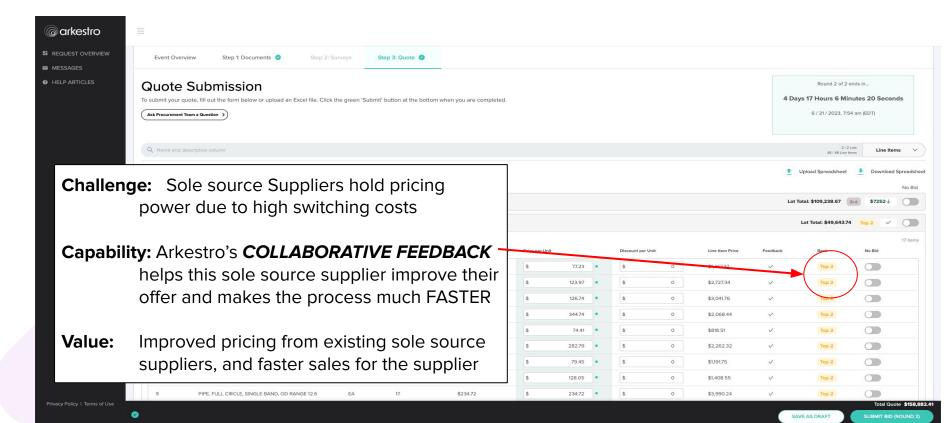


That's because traditional 'bidding processes' don't work with Strategic or Direct Spend... for Strategic, 'Autonomous' without 'Predictive' is risky





Predictive Procurement Orchestration <u>enables</u> Autonomous Sourcing for Direct and Strategic Spend even when it's SOLE SOURCE by trading FASTER PROCUREMENT CYCLES for cost value through COLLABORATIVE FEEDBACK



Actual Production Field Trial Results achieved within 60 days -Presented at Steering Committee Meetings...

Arkestro PPO	_vent	Results	Tor	Sa	vings lo	dentified	l: \$1.3M
Event Name	Event Close Date	Supplier Participation (Supplier Count)	Quotes Received (Round 1 + 2)	Coverage (Lines Covered Count)	Baseline \$'s (CAD)	Savings Amount	Awarded Savings
RFQ's				county		(CAD)	Percentage
Inj. Moulded Parts (change supplier)	10/24 (Closed)	3 / 12 (25%)	6	8 / 8 (100%)	\$6,612,461	\$13,589	<1%
Inbound / Outbound Freight RFQ	10/26 (Closed)	13 / 16 (81%)	20	47 / 47 (100%)	\$4,894,799	\$806,439	16%
Chemical Supply Package	10/27 (Closed)	3 / 16 (19%)	5	4 / 4 (100%)	\$1,037,248	\$137.049	13%
/endor Managed MRO	10/31 (Closed)	6 / 11 (55%)	9	111 / 111 (100%)	\$2,658,553	\$346,040	
andscaping Renewal	10/27 (Closed)	2 / 4 (50%)	4	15 / 15 (100%)	\$171,068	\$1,998	13%
iscrete Purchases (Spot Buy)				(10073)		\$1,998	1%
bsorber Industry Extractor Soldering	10/27 (Closed)	3 / 6 (50%)	5	1 / 1 (100%)	\$2.865	\$2,525	



Actual Production Field Trial Results achieved within 60 days -Presented at Steering Committee Meetings...

onfirmed Saving				Minimum Exp	Oduction Field Trial for Minimum Expected Savings through 11/3 - <u>\$11,620,958.28</u>					
Shimed Saving	Event Close	Supplier Participation (supplier count)	Quotes Received	Coverage (lines covered count)	Quoted Baseline Spend (Original Baseline Spend, if different)	Savings Amount	Savings Percentage			
Event Name	Date	(supplier county		100%	\$4,160,607	\$2,518,041.71	60.52%			
Tapes RFQ	10/27	(4 out of 8)	7	(15 out of 15)						
	10/13	22.22% (2 of 9)	2	65% (30 out of 46)	\$3,296,571.31 (\$4,272,602.00)	\$1,141,117.57	35.22%			
Fasteners RFQ		42.8%	4	100% (10 out of 10)	\$14,083,123	\$4,919,478	34.93%			
Inductors RFQ	10/24	(3 out of 7)			1	\$3,033,910	35%			
PCBs	11/3	86% (6 out of 7)	6	100% (11 out of 11)	\$8,832,846	ψ0,000,210				
	11/0	•		100%	\$181,871	\$8,141	4%			
Pallets (spot buy)	10/30	20% (1 out of 5)	2	(2 out of 2)						

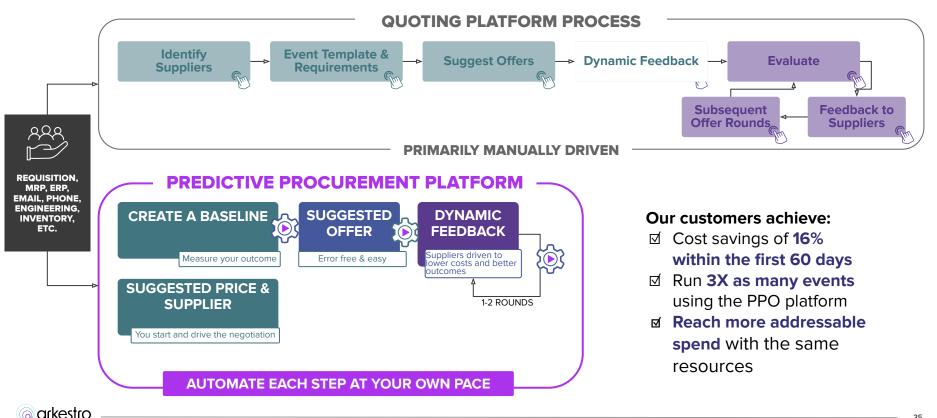


Actual Production Field Trial Results achieved within 60 days -Presented at Steering Committee Meetings...

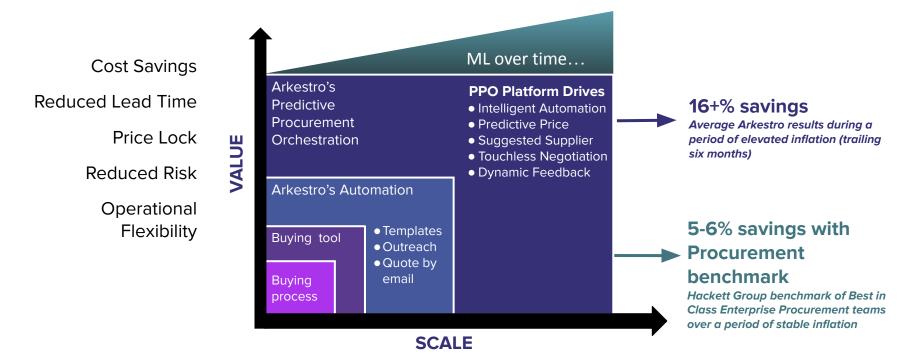
Arkestro Field Trial PPO Events 3 Results for									
Event Close Date	Supplier Participation (Supplier Count)	Quotes Received	Coverage (Lines Covered Count)	Round 1 Quoted \$'s	Round 2 Quoted \$'s	Savings Amount*	Savings		
9/26	4 / 4 (100%)	7	54/54	\$1,953,302	¢1 656 465		Percentage		
6557770	610		(100%)	÷1,000,002	\$1,656,160	\$297,152	15.2%		
10/4	(100%)	11	13 / 13 (100%)	\$59,765	\$58,644	\$1121	1.0%		
10/18	2/6	100	83/92			ψ1,121	1.9%		
	(33%)	4	(100%)	\$654,887	\$589,342	\$65,545	10.0%		
	Event Close Date	Event Close DateSupplier Participation (Supplier Count)9/264 / 4 (100%)10/46 / 6 (100%)10/182 / 6	Event Close DateSupplier Participation (Supplier Count)Quotes Received9/264 / 4 (100%)710/46 / 6 (100%)1110/182 / 61	Event Close DateSupplier Participation (Supplier 	Event Close Date Supplier Participation (Supplier Count) Quotes Received Coverage Covered Count Round 1 Quoted \$'s 9/26 4 / 4 (100%) 7 54 / 54 (100%) \$1,953,302 10/4 6 / 6 (100%) 11 13 / 13 (100%) \$59,765 10/18 2 / 6 (33%) 4 83 / 83 \$59,765	Event Close Date Supplier Participation (Supplier Count) Quotes Received Coverage (Lines Covered Count) Round 1 Quoted \$'s Round 2 Quoted \$'s 9/26 4 / 4 (100%) 7 54 / 54 (100%) \$1,953,302 \$1,656,160 10/4 6 / 6 (100%) 11 13 / 13 (100%) \$59,765 \$58,644 10/18 2 / 6 (32%) 4 83 / 83 \$59,765 \$58,644	Event Close Date Supplier Participation (Supplier Count) Quotes Received Covered Count) Round 1 Quoted \$'s Round 2 Quoted \$'s Savings Amount* 9/26 $4/4$ (100%) 7 $54/54$ (100%) \$1,953,302 \$1,656,160 \$297,152 10/4 $6/6$ (100%) 11 $13/13$ (100%) \$59,765 \$58,644 \$1,121 10/18 $2/6$ (33%) 4 $83/83$ (400%) \$654,887 \$500.000		

*Savings Amount assumes OEM is moving forward with the lowest priced Supplier from each event. Actual savings will be based on award scenarios

Arkestro Predictive Procurement Orchestration



Execution: Arkestro drives better outcomes, faster, at scale



Move Faster | Expand Focus | Get More Done



Meeting Your Supply Chain In Its Inbox With Timely Data

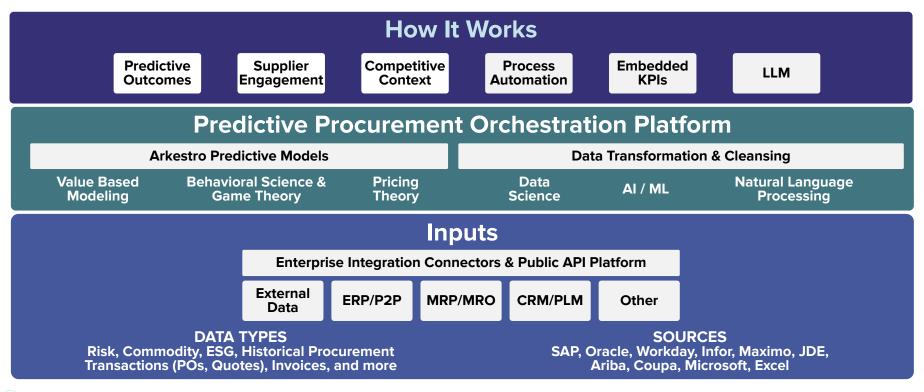


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Arkestro's Key To High User Adoption? A Supplier Workflow As Simple As DocuSign

G Fwd: BG-SC1 - Request for Proposal for 2024 Corrugate Inbox • shannon@arkestro.com											
🛈 Delete	🖻 Archive	Co Move	☐ Flag	🖻 Mark Unread	🗘 Sync						
Fwd: BG-SC1 - Request for Proposal for 2024 Corrugate.											
JD	JDD John Dupre <wbg.dupre@gmail.com> To: shannon@arkestro.com</wbg.dupre@gmail.com>										
			0	arkes	stro						
	David Me	cKay from B	2	quest for Pro 2024 Corrug	ate	2024 Corrugate request.					
	Click the	e invite butto	on to find o	ut more about this	request, as	k any questions or bid.					
A	bout this Re	equest:									
	➢ Bidding Feb 27, 2	Event 2023 to May 30	0, 2023								

Arkestro Predictive Procurement Orchestration Vision



Analyst validated



Top Technology Trends in Procurement Gartner, Feb 2023

Analysts believe in PPO

(arkestro

Predictive Procurement Orchestration is an embedded platform that enables Finance and Operations to come together...by leveraging their most precious resource: their best people's best decisions.

Spend Matters

Learn More

@arkestro

The 2023 Gartner[®] Hype Cycle[™] for Procurement and Sourcing Solutions lists Arkestro as one of the Sample Vendors for:

✓ Autonomous Sourcing
 ✓ Autonomous Procurement
 ✓ Supplier Discovery

Learn More

Gartner

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We are delighted to be named on the Spend Matters list for the fourth year in a row, as Arkestro continues to demonstrate the importance of implementing predictive procurement to increase cost savings and amplify efficiencies.

5

-Neil Lustig, Chief Executive Officer at Arkestro

Learn More

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Autonomous Sourcing How does it work?

> Arkestro's Predictive Insights utilize analytics to break down your spend and PO volume over time, while our built in recommendations based on your category, organization, and location data get you ahead of the game.

Read the Gartner[®] Report>

Gartner.





Thank You



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