PREPARED BY QONNEX

AI Savings Potential Report

Based on your self-reported inputs

PREPARED FOR	Apex Apparel Manufacturing Corp.
SUB-INDUSTRY	Apparel, garment and textile
REFERENCE	QNX-2026-SAMPLE
DATE	August 22, 2026
CLASSIFICATION	Confidential — for the leadership of the named company

INSIDE THIS REPORT

- Your efficiency score and the money at stake
- A department-by-department model of your leakage
- The platform, security, and integration blueprint
- A performance-based commercial structure with zero upfront cost

01 Executive summary and diagnostic scorecard

Your efficiency score, the money at stake, and the inputs that shaped the model.

BASELINE ANNUAL MARGIN LEAKAGE

$205,000 – $307,000

PROJECTED ANNUAL AI SAVINGS

$154,000 – $231,000

YOUR PROJECTED NET GAIN, YEAR ONE

$62,000 – $92,000

WORKFLOW AUTOMATION TARGET

88%

ANALYSIS CONFIDENCE

Stated

Executive takeaway

Manufacturing operations move specification, procurement, and quality paperwork through many hands, where small delays compound across the line. Under the Qonnex master formulation, manual document handling drains an estimated $256,000 annually in preventable labor and invoicing disputes.

Assessment intake baseline profile

DIAGNOSTIC PARAMETER	YOUR SELECTION	CALIBRATED MODEL IMPACT
Geographic region	North America	Regional labor multiplier 1.25x
Industry sub-category	Apparel, garment and textile	Base rate $48 per hour · document density 1.25x
Workforce scale	51–200	Modeled at 125 full-time staff
Cross-departmental burden	50 to 99 · Operations, Finance and accounting, Procurement, Sales, Marketing	Multi-role friction penalty 15.9 pts
Software stack	Specialized enterprise systems	Stack penalty 5 pts · friction multiplier 1.10x
AI adoption level	No AI yet	AI gap penalty 20 pts · maturity multiplier 1.35x

02 Diagnostic intake architecture

How your answers flowed into the scoring model, step by step.

Progressive intake sequence

1. Your objective
   Aligns the deployment with leadership priorities and change readiness.
   Your selection: Increase revenue & improve margin

2. Business profile
   Maps your sub-industry, workforce scale, revenue tier, and region into base rates and multipliers.
   Your selection: Apparel, garment and textile · 51–200 · $5M to $20M

3. Operations
   Captures the departments in scope, the weekly manual workload and its split, document complexity, and key-person reliance.
   Your selection: Operations, Finance and accounting, Procurement, Sales, Marketing · 50 to 99

4. Systems and AI
   Audits stack fragmentation and your current level of AI adoption.
   Your selection: Enterprise ERP · No AI yet

5. Financial context
   Reads runway, growth, margins, and unit economics into the financial risk weighting.
   Your selection: Profitable · Growing steadily · Moderately profitable · 30 to 50

6. Readiness
   Records your timeline and the decision-makers involved.
   Your selection: This quarter

Workflow mapping for your sector

WORKFLOW STAGE	CURRENT MANUAL BOTTLENECK	AUTOMATED PLATFORM TARGET
Specification and order intake	Manual transcription of customer specs, drawings, and orders into the ERP.	Vision-model extraction of specifications directly into bills of materials and orders.
Supplier invoice reconciliation	Manual three-way matching of purchase orders, receipts, and supplier invoices.	Automated line-item variance checking that flags quantity and price drift.
Production order dispatch	Manual assembly of work orders, tickets, and routing sheets.	Autonomous generation of production orders synced with real-time capacity.

03 Financial profile and unit economics assessment

Your financial intake, row by row, and how each answer weighted the model.

FINANCIAL CATEGORY	YOUR SELECTION	MODEL PARAMETER AND IMPACT
Annual revenue	$5M to $20M	Revenue tier 3
Year-over-year revenue growth	Growing steadily	Growth penalty 2 pts
Cost of goods sold	45 to 65	Cost-structure input — narrative only, no score impact
Gross margin	30 to 50	Margin penalty 6 pts
Operating profitability	Moderately profitable	Profitability penalty 2 pts
Monthly net cash burn	Cash-flow positive	Cash-burn penalty 0 pts
Cash runway remaining	Profitable	Runway penalty 0 pts · multiplier 1.00x
Customer payback horizon	Under 6 months	Payback-horizon penalty 0 pts

Financial health evaluation

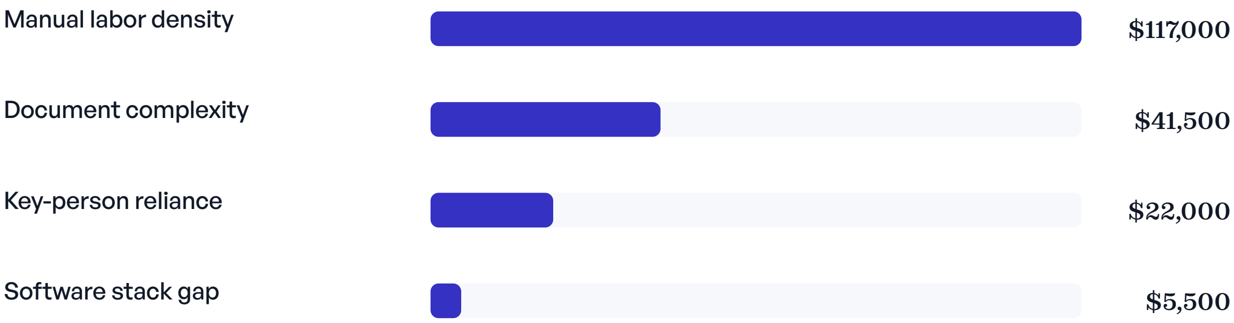
Your business generates real operating profit, which means recovered margin drops straight to the bottom line. Removing the leakage modeled in this report expands that profit without new revenue, new hires, or new risk.

04 Operational audit and risk friction profile

Where operational friction concentrates, what it costs, and where it breaks.

The diagnostic engine scores operational health across four friction categories. Each carries a score impact and an attributed share of the annual cost drag.

FRICTION CATEGORY	SCORE IMPACT		ANNUAL COST DRAG
Key-person reliance	25 pts	Critical rules and exceptions live with a few experienced people; their absence stalls throughput.	$22,000
Document complexity	25 pts	Incoming documents arrive in variable layouts that standard tooling fails to parse, so people re-key them.	$41,500
Manual labor density	15.9 pts	Weekly hours are spent on repetitive transcription, matching, and reconciliation across departments.	$117,000
Software stack gap	5 pts	Systems that do not talk to each other force manual bridging, custom spreadsheets, and sync errors.	$5,500



Failure points in your sector

1. Supplier billing discrepancy leakage
Suppliers invoice against quoted rather than delivered quantities and rates, and manual verification misses a meaningful share of the overcharges.

2. Specification misinterpretation
Manual transcription of specs and tolerances creates rework cycles, and every rework loop costs a production window.

05 Master mathematical formulation

The scoring engine's formulas, with your actual numbers substituted.

Unified model components

- Progressive diagnostic intake across six structured steps
- Geographic and regional multipliers
- Granular sub-industry taxonomy across nine clusters
- Departmental multi-role friction vectors
- Multiple-choice financial ranges and unit economics
- Software stack integration and AI adoption maturity matrices

Key formulas with your numbers

1. Total financial friction penalty (P_fin)

P_fin = min(35, P_growth + P_margin + P_ebitda + P_burn + P_runway + P_cac) = 10 pts

2. Master operational efficiency score (S_master)

S_master = round(100 x (1 - 113.9 / P_max)) = 36 (Elevated friction)

3. Master annual margin leakage (L_annual)

L_annual = SUM_k [H_k x 52 x C_role(k) x C_region x I_doc x (1 + uplift_k) x k_cal] = $256,000

4. Feasibility-adjusted annual AI net savings (Savings_annual)

Savings_annual = SUM_k [L_k x eta_role(k) x F_role(k) x sqrt(I_feas)] = $192,000

5. Performance-share value split (Model B)

Client_Net = Savings x 40% = $77,000 · Qonnex_Share = 60% of VERIFIED savings

Calibration methodology

Friction multipliers are combined additively — the uplift is the sum of each factor's excess over neutral, applied once to direct labor and capped — rather than compounded. Compounding every multiplier overstates leakage several-fold; the additive rule keeps the estimate conservative and defensible. A final guard caps leakage against your workforce's loaded labor cost.

uplift_k = min(75%, SUM(m - 1)) · k_cal = 0.47

06 Enterprise data security, governance and compliance

How your documents, rates, and records stay protected and stay yours.

Qonnex operates with enterprise-grade security standards, ensuring your proprietary documents, pricing, and operational data remain fully protected under isolated governance.

SECURITY LAYER	TECHNICAL APPROACH	STANDARD
Data in transit	Every endpoint and document ingest portal is encrypted end to end.	Encrypted transport
Data at rest	Stored documents and extracted data are encrypted with customer-managed keys.	Encrypted storage
AI model governance	Your documents and pricing are never used to train shared models.	Isolated tenant engine
Access control and identity	Role-based access control integrated with your single sign-on provider.	SSO and MFA ready
Audit logging and lineage	An immutable audit trail records every extraction, approval, and export.	Continuous audit logging

Zero shared-training-data policy

Your documents, rate structures, customer contracts, and operational rules remain your intellectual property in full. Qonnex enforces a zero-retention model architecture: your confidential data is never leaked to, or used to train, third-party or shared models.

07 Multi-departmental role-based parameterization

How the model prices labor and friction across the departments you selected.

Cross-departmental composite formulation

P_roles_total = SUM_k [w_k x P_role(k)]

L_annual = SUM_k [H_k x 52 x C_role(k) x C_region x I_doc x (1 + uplift_k)]

Each department contributes a weighted share of the friction penalty and of the annual leakage, priced at that department's calibrated role rate. The weights are the hour allocation you reported, normalized to one.

Your active departmental distribution

DEPARTMENT	ROLE LABOR RATE	WEEKLY HOURS	FRICTION PENALTY	ERROR MULTIPLIER	WEIGHT
Operations	$45 / hr	22.5 hrs / wk	19.3 pts	1.35x	0.30
Finance and accounting	$55 / hr	11.3 hrs / wk	17 pts	1.31x	0.15
Procurement	$54 / hr	15 hrs / wk	14.3 pts	1.25x	0.20
Sales	$52 / hr	11.3 hrs / wk	13.5 pts	1.23x	0.15
Marketing	$53 / hr	15 hrs / wk	13.3 pts	1.17x	0.20

08 Departmental role calibration matrices

The role-level vectors behind each department you selected.

Operations

SPECIFIC ROLE	LABOR RATE	MANUAL BURDEN	PENALTY	ERROR MULT	AUTO RATE	AI FEASIBILITY
Freight dispatcher and load planner	$45 / hr	22 hrs / wk	18 pts	1.30x	85%	0.92
Manifest ingestion and entry specialist	$38 / hr	32 hrs / wk	25 pts	1.40x	95%	0.95
Warehouse inventory and WMS controller	$42 / hr	18 hrs / wk	14 pts	1.25x	82%	0.88
Customs entry and compliance filer	$55 / hr	24 hrs / wk	20 pts	1.45x	80%	0.85

Finance and accounting

SPECIFIC ROLE	LABOR RATE	MANUAL BURDEN	PENALTY	ERROR MULT	AUTO RATE	AI FEASIBILITY
Accounts payable invoice auditor	$48 / hr	26 hrs / wk	22 pts	1.35x	92%	0.94
Accounts receivable and credit analyst	$52 / hr	16 hrs / wk	12 pts	1.20x	88%	0.90
Financial controller and GL reconciliation	$75 / hr	14 hrs / wk	16 pts	1.30x	78%	0.82
Billing dispute and rate variance specialist	$46 / hr	20 hrs / wk	18 pts	1.40x	90%	0.92

Procurement

SPECIFIC ROLE	LABOR RATE	MANUAL BURDEN	PENALTY	ERROR MULT	AUTO RATE	AI FEASIBILITY
Purchase order and requisition reconciler	$46 / hr	20 hrs / wk	15 pts	1.25x	90%	0.92
Vendor price sheet and rate card comparator	$52 / hr	18 hrs / wk	16 pts	1.30x	92%	0.94
Supplier due diligence and ESG audit officer	$65 / hr	12 hrs / wk	12 pts	1.20x	80%	0.82

09 Departmental role calibration matrices (continued)

The role-level vectors behind each department you selected.

Sales

SPECIFIC ROLE	LABOR RATE	MANUAL BURDEN	PENALTY	ERROR MULT	AUTO RATE	AI FEASIBILITY
Sales development rep (lead enrichment)	$42 / hr	24 hrs / wk	14 pts	1.20x	92%	0.95
RFP response and bid proposal specialist	$65 / hr	20 hrs / wk	18 pts	1.30x	85%	0.88
Customer onboarding and account setup rep	$45 / hr	18 hrs / wk	12 pts	1.25x	88%	0.90
Sales ops and CRM pipeline auditor	$55 / hr	15 hrs / wk	10 pts	1.15x	90%	0.92

Marketing

SPECIFIC ROLE	LABOR RATE	MANUAL BURDEN	PENALTY	ERROR MULT	AUTO RATE	AI FEASIBILITY
Performance marketing and campaign analyst	$58 / hr	18 hrs / wk	12 pts	1.20x	88%	0.94
Content generation and localization specialist	$44 / hr	25 hrs / wk	15 pts	1.15x	94%	0.96
Marketing operations and CRM data ingestion	$50 / hr	22 hrs / wk	16 pts	1.25x	90%	0.92
Market research and competitor intelligence	$60 / hr	15 hrs / wk	10 pts	1.10x	85%	0.90

10 Platform architecture and autonomous agent engine

The purpose-built engine Qonnex deploys against your workflows.

Rather than imposing off-the-shelf software, Qonnex deploys a dedicated agentic engine tailored to your operational logic, integrated directly with your existing systems.

Capture rules → Ingest documents → Extract and verify → Human review

1 Specification and BOM parser
Extracts specs, tolerances, and line items from variable customer documents straight into your ERP structures.

2 Three-way supplier reconciliation agent
Matches purchase orders, receiving records, and supplier invoices, compiling dispute packets for accounting approval.

3 Human-in-the-loop yield dashboard
Gives production and procurement a fast exception review that continually tunes extraction to your documents.

11 AI adoption maturity spectrum

Where you sit on the adoption curve, and what that position costs.

ADOPTION TIER	OPERATIONAL STATE	PRIMARY FRICTION AND FAILURE POINT	DIAGNOSTIC PENALTY	MATURITY MULTIPLIER
Level 0 — none Your level	Fully manual processing	Severe labor drag, slow turnaround times, high transcription error rates.	20 pts	1.35x
Level 1 — legacy automation	Rule-based RPA or template OCR	Frequent pipeline breaks whenever document layouts change.	15 pts	1.25x
Level 2 — siloed copilots	Ad-hoc employee AI assistants	Fragmented usage with no enterprise governance and no system sync.	10 pts	1.15x
Level 3 — partial embedded	Embedded point-solution AI	Disconnected AI silos that fail to handle multi-system tasks.	5 pts	1.05x
Level 4 — autonomous agents	End-to-end autonomous orchestration	Fully optimized; requires fine-tuning and maintenance only.	0 pts	1.00x

12 Software stack integration and friction audit

How your tool landscape shapes integration complexity and cost.

TOOL CATEGORY	COMMERCIAL EXAMPLES	INTEGRATION AND DATA FRICTION PROFILE	STACK PENALTY	FRICTION MULTIPLIER
Modern integrated API stack	Salesforce, NetSuite, Workday, HubSpot	Clean REST and GraphQL endpoints; low integration friction.	0 pts	1.00x
Specialized Your stack enterprise systems	SAP, Oracle, industry ERPs	Complex schemas; requires specialized connectors.	5 pts	1.10x
Legacy or custom mainframe	AS/400, custom legacy ERPs	No native APIs; requires custom webhooks and secure transfer.	10 pts	1.20x
Manual and spreadsheet heavy	Excel, shared drives, email	Extreme data fragmentation, no audit trail, high error rates.	15 pts	1.30x

Your enterprise systems integrate through their service layers with purpose-built connectors.

13 Taxonomy calibration for your cluster

Your sub-industry's calibration vector, in the context of its peers.

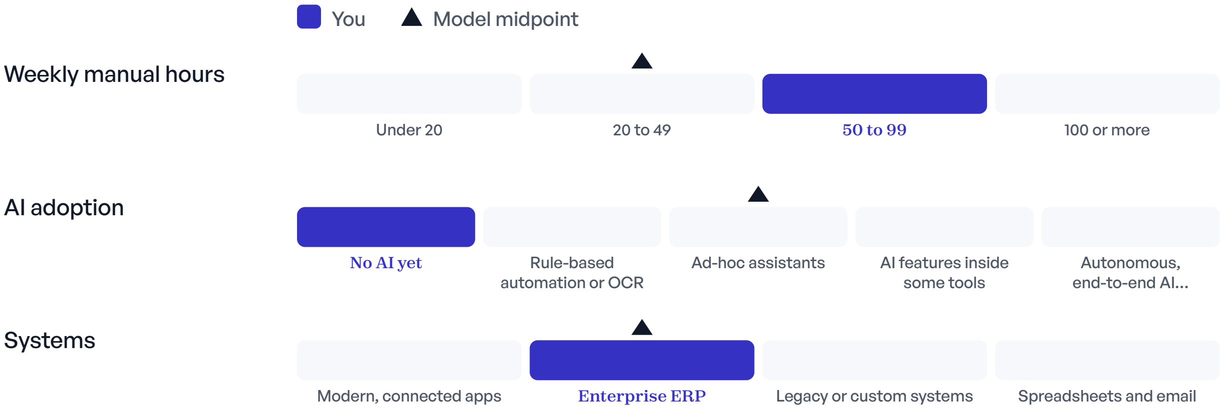
Manufacturing and industrial

SUB-INDUSTRY	BASE RATE	RISK PENALTY	DOC DENSITY	AI FEASIBILITY	MARGIN ELASTICITY	TARGET AUTO
Apparel, garment and textile You	$48	8 pts	1.25x	0.90	1.40x	88%
Automotive OEM and tier-1 systems	$62	12 pts	1.25x	0.88	1.30x	84%
Automotive aftermarket parts	$52	8 pts	1.15x	0.92	1.35x	88%
Aerospace and defense	$75	18 pts	1.45x	0.70	1.25x	70%
Heavy machinery and robotics	$68	14 pts	1.30x	0.76	1.25x	75%
Semiconductor and foundry	$82	16 pts	1.20x	0.85	1.20x	82%
Electronics manufacturing and PCB	$54	10 pts	1.25x	0.90	1.35x	88%
Chemicals and polymers	$64	16 pts	1.35x	0.78	1.30x	76%
Pharmaceutical batch production	$78	18 pts	1.40x	0.68	1.25x	68%
Medical devices and surgical tools	$68	14 pts	1.35x	0.80	1.20x	78%
Metal fabrication and CNC machining	$50	9 pts	1.20x	0.88	1.35x	85%
Plastics and injection molding	$46	7 pts	1.15x	0.92	1.40x	90%
Paper, pulp and packaging	$44	6 pts	1.10x	0.94	1.40x	92%
Food and beverage processing	$48	10 pts	1.20x	0.88	1.40x	86%
Energy, turbines and power generation	$70	15 pts	1.30x	0.75	1.30x	74%

14 Benchmark and diagnostic charts

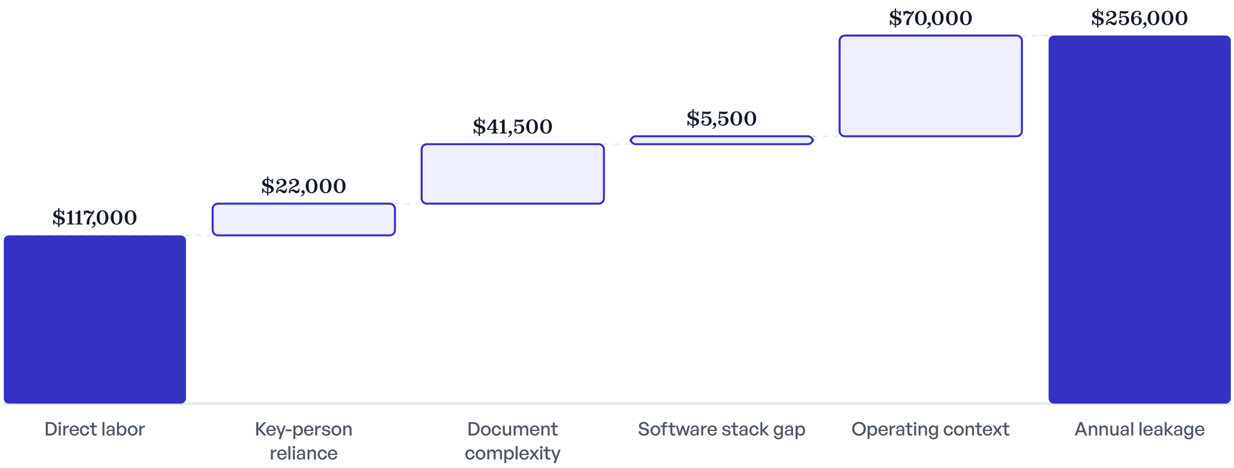
Your inputs against the model midpoint, and how the leakage figure is built.

Your inputs, placed against the model's neutral midpoint. This is a model benchmark derived from the Qonnex calibration, not market data.



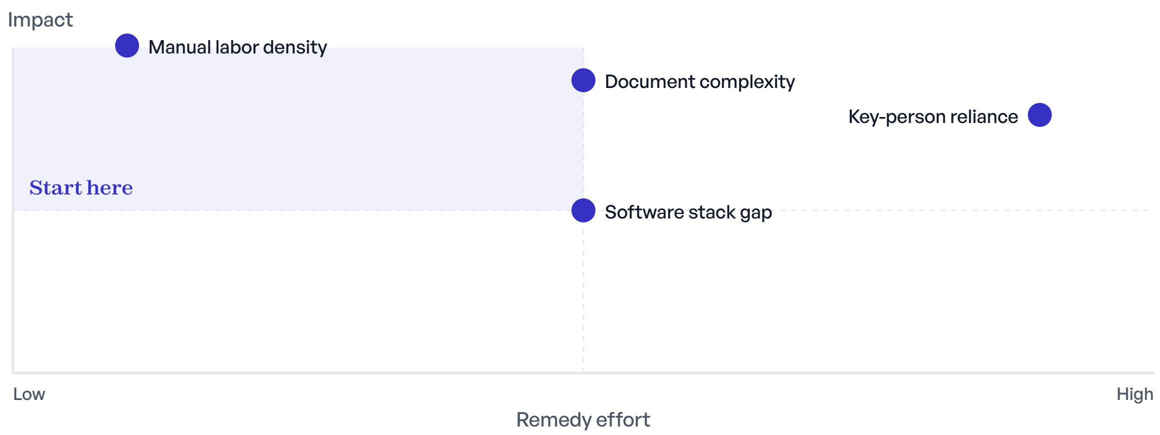
Model benchmark only — derived from the diagnostic calibration, not a market survey.

How the annual leakage is built



Direct labor is the base; each friction adds to it, ending at your modeled annual leakage.

Impact against remedy effort



15 Technical integration and ERP data architecture

How Qonnex plugs into your systems without replacing them.

Qonnex integrates directly into your IT ecosystem without requiring changes to your existing core systems.

Pre-built connectors for your sector

TARGET PLATFORM	INTEGRATION METHOD
SAP S/4HANA	OData v4 / BAPI · EDI 850 & 810
Infor CloudSuite	ION API · BOD XML message flow
MES	Direct database connector · SFTP batch exchange
PLM	REST / JSON specification parser · CAD metadata extract

Your enterprise systems integrate through their service layers with purpose-built connectors.

16 Phased eight-week implementation roadmap

From first document samples to measured savings, without disrupting operations.

Qonnex uses an agile eight-week deployment cycle engineered to deliver production-ready automation with zero interruption to daily operations.

PHASE	DELIVERABLES AND TECHNICAL OBJECTIVES	TIMELINE
Document ingest and calibration	Ingest historical specs, purchase orders, and supplier invoices; calibrate extraction and BOM schemas.	Weeks 1–2
Shadow pipeline trial	Run in shadow mode alongside live intake; measure field accuracy and resolve supplier edge cases.	Weeks 3–4
ERP gateway integration	Connect verified extraction pipelines into your ERP; train production and accounting teams.	Weeks 5–6
Production cutover and savings telemetry	Move the target document volume onto Qonnex; activate live savings tracking against the baseline.	Weeks 7–8

17 Project governance, RACI matrix and service levels

Who owns what during implementation, and the service levels we commit to.

RACI responsibility matrix

IMPLEMENTATION TASK	QONNEX TECH LEAD	QONNEX AI ENGINEER	YOUR OPS LEAD	YOUR IT LEAD
Document sample ingest	A	R	C	I
Extraction model tuning	A	R	I	I
System gateway and webhook sync	A	R	I	C
User acceptance testing	A	C	R	I
Production go-live approval	R	I	A	I

R = Responsible, A = Accountable, C = Consulted, I = Informed.

Platform service level commitments

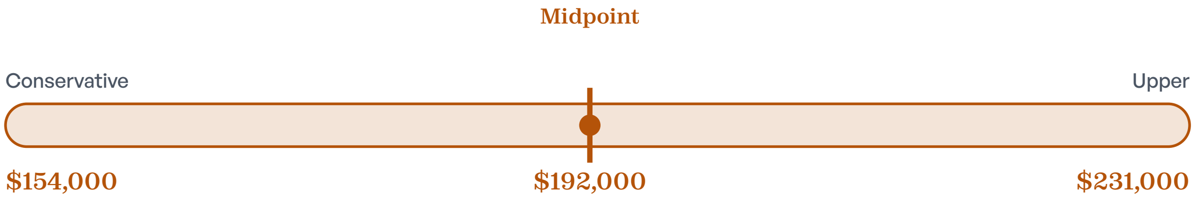
SLA PARAMETER	TARGET COMMITMENT	REMEDIATION STANDARD
System availability and uptime	99.9% monthly uptime	Continuous monitoring and high-availability failover
Field extraction precision	99.2% extraction accuracy	Automatic routing to human review for any edge case
Processing latency	< 3.0s per document page	Auto-scaling inference worker nodes

18 Commercial terms and value creation

A pure performance structure: nothing upfront, and Qonnex is paid only out of savings we verify.

Qonnex operates on a results-aligned structure. You pay nothing upfront and nothing fixed. Qonnex receives a share of VERIFIED savings only — measured against your baseline after Phase 1 verification.

Projected annual savings range



Automation efficiency applied: 75%

VALUE LINE	ANNUAL PROJECTION	THREE-YEAR IMPACT
Projected annual AI savings	$154,000 – $231,000	$576,000
You keep 40% of projected savings	$62,000 – $92,000	—
Qonnex share — 60% of VERIFIED savings only	$92,000 – $139,000	$345,000
Your net gain at the midpoint	$77,000	$231,000

Zero upfront risk

- No upfront fees and no fixed costs — the engagement starts at zero.
- If no savings materialize, you owe nothing.
- Qonnex's share is payable only from savings verified after Phase 1.
- You can never be out of pocket: the share is always a fraction of money already recovered.

Performance guarantee and alignment

Qonnex platform milestones are tied directly to verified document accuracy and processing speedups in your live numbers. Our incentives are aligned completely with your bottom line.

Projections in this report derive from your self-reported inputs; the payable share is computed only from savings verified against your measured baseline.

19 Authorization and next steps

How to move forward, and what we need from you to begin.

Authorization and formal project acceptance

By signing below, the named company accepts this diagnostic report and authorizes Qonnex to initiate Phase 1 discovery and model tuning under the performance-share terms outlined herein.

Prepared by Qonnex Systems

Authorized platform director / date

Accepted by Apex Apparel Manufacturing Corp.

Authorized executive signature / date

What we need from you before Phase 1

- A sample set of documents from a workflow you want to automate
- The process owner who knows the exceptions
- Your actual weekly hours spent on that work, to lock the baseline

Talk to a strategist

Reach us at contact@qonnex.ai to book your walkthrough.

Every figure in this report is directional and based on self-reported inputs. The payable share under the performance model is computed only from savings verified against your measured baseline.