



Accelerating Continuous Improvement with DMAIC

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DMAIC Project Management

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We'll take current manual, disconnected processes...

Workflow Apps

Customer Form

Name: John "Glitch" Doe

Company: OmniCorp

Phone: 1-800-ERR-1234

Address: 1234 Memo

Email: corrupted_us@omnicorp.com

License Status: **LICENSE EXPIRED - CORRUPTED**

Processing...

Warning
CRITICAL_ERROR_FORM_DATA_STRUCT_CORRUPTION [0x744FD9C]
Heap allocation error. Memory block integrity failure.
Call stack for dump process: EAX=4F, EBX=01.
CONTACT ADMIN. UNDER OFFSET_OVERFLOW.
Do you wish to attempt a repair?
The results are unpredictable.

Quality/Lean

MECHADYNAMICS
PRODUCT SPECIFICATION
DOC ID: MD-SP-G003A REVISION: 1.2 DATE: OCT 26, 2023

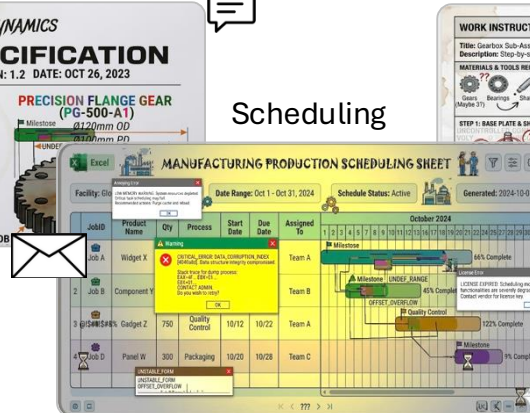
1. INTRODUCTION
Precision Precision Flange Gear Component for specific application

PROJECT ALPHA - BILL OF MATERIALS (BOM)

#	Part Number	Description	Material	Qty	Unit Cost	Total Cost	Supplier
1	101	A-001	Base Frame	1	\$85.50	\$85.50	ACME Metalworks
2	102	B-002	Steel	4	\$12.75	\$51.00	TechFab Inc.
3	103	C-110	Harden Steel	2	\$45.00	\$90.00	Precision Parts
4	104	D-050	Nylon Pkg	2	\$19.99	\$39.98	Gear Dynamics
5	105	E-201	ERR_MAT	8	\$3.50	\$28.00	FastBearings
6	106	F-110	FR4	1	\$112.40	\$112.40	CircuitWorks
7	107	G-303	Harness Assy	1			
8			PVC/Copper				

Total Parts: 19 Total Cost: **ERR_422**

Scheduling



Work Ins. & SOPs

WORK INSTRUCTION: MECHANICAL ASSEMBLY (Part #1004-B)

Title: Gearbox Sub-Assembly (1004-B)
Description: Step-by-step guide to assembling the primary drive components.

MATERIALS & TOOLS REQUIRED

- Gears (Type 3)
- Shaft (Type 1)
- Bolts (M8x20)
- Washers (Type 1)
- Screws (Type 2)
- Straps (Type 1)
- Allen Keys (Size 5)
- Lubricant
- Gloves
- Flash Light
- Safety Vest
- Wrench

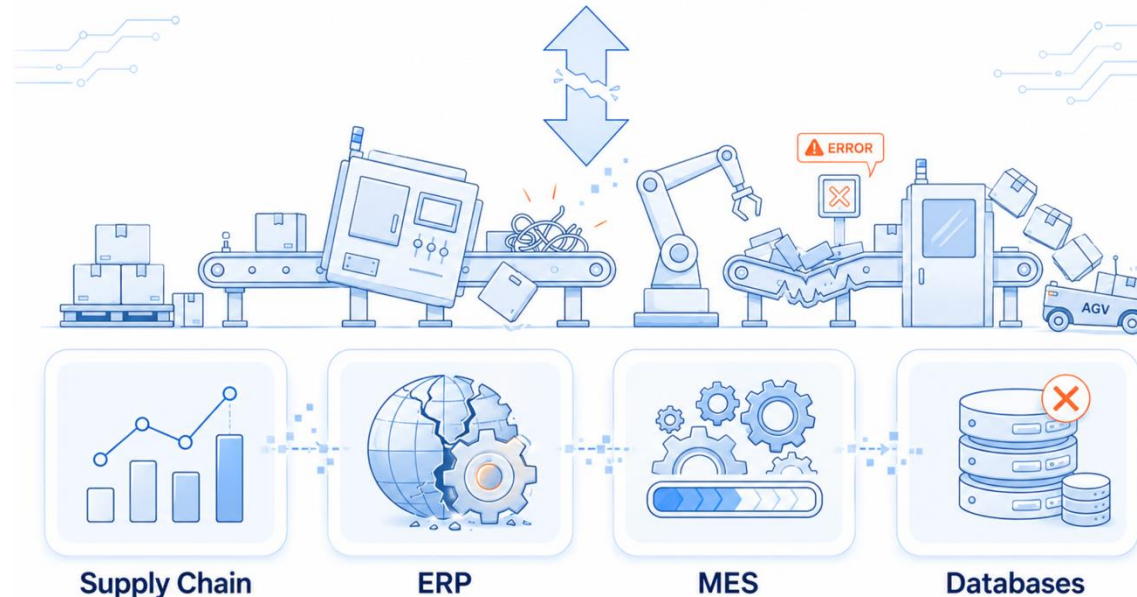
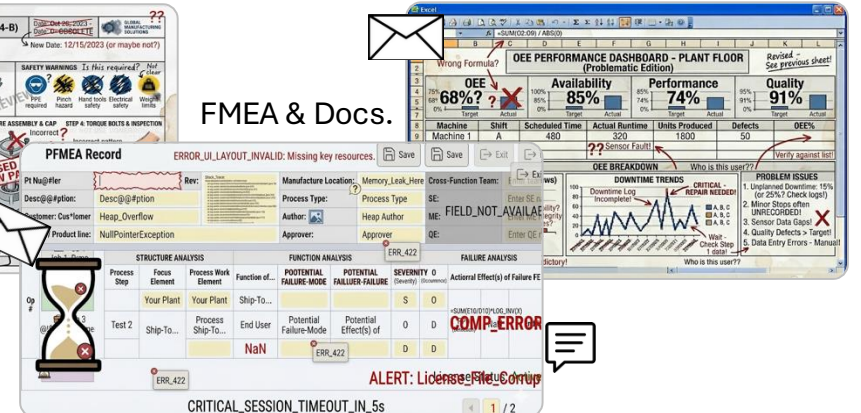
SAFETY WARNINGS Is this required? ☐ No ☒ Yes

STEP 1: BASE PLATE & SHAFT PREP STEP 2: INSTALL GEAR & KEYWAY STEP 3: SECURE ASSEMBLY & CAP STEP 4: TORQUE BOLTS & INSPECTION

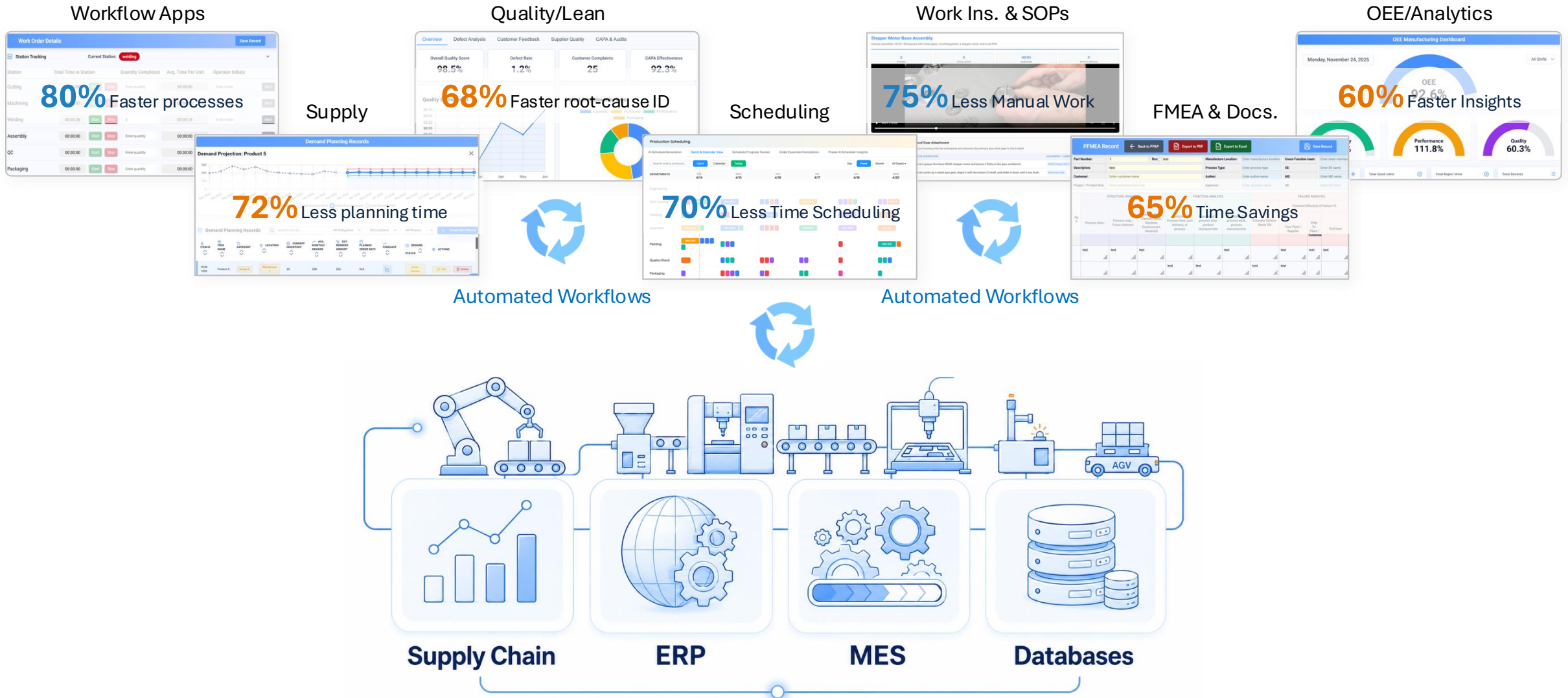
PFMEA Record

Process Step: Your Plant
Focus Element: Your Plant
Function of: Ship-To...
Potential Failure Mode: Ship-To...
Potential Failure Effect: End User
Potential Effect(s) of: Potential Failure-Mode
Severity: NaN
Occurrence: ERR_422
Detection: D

FMEA & Docs.

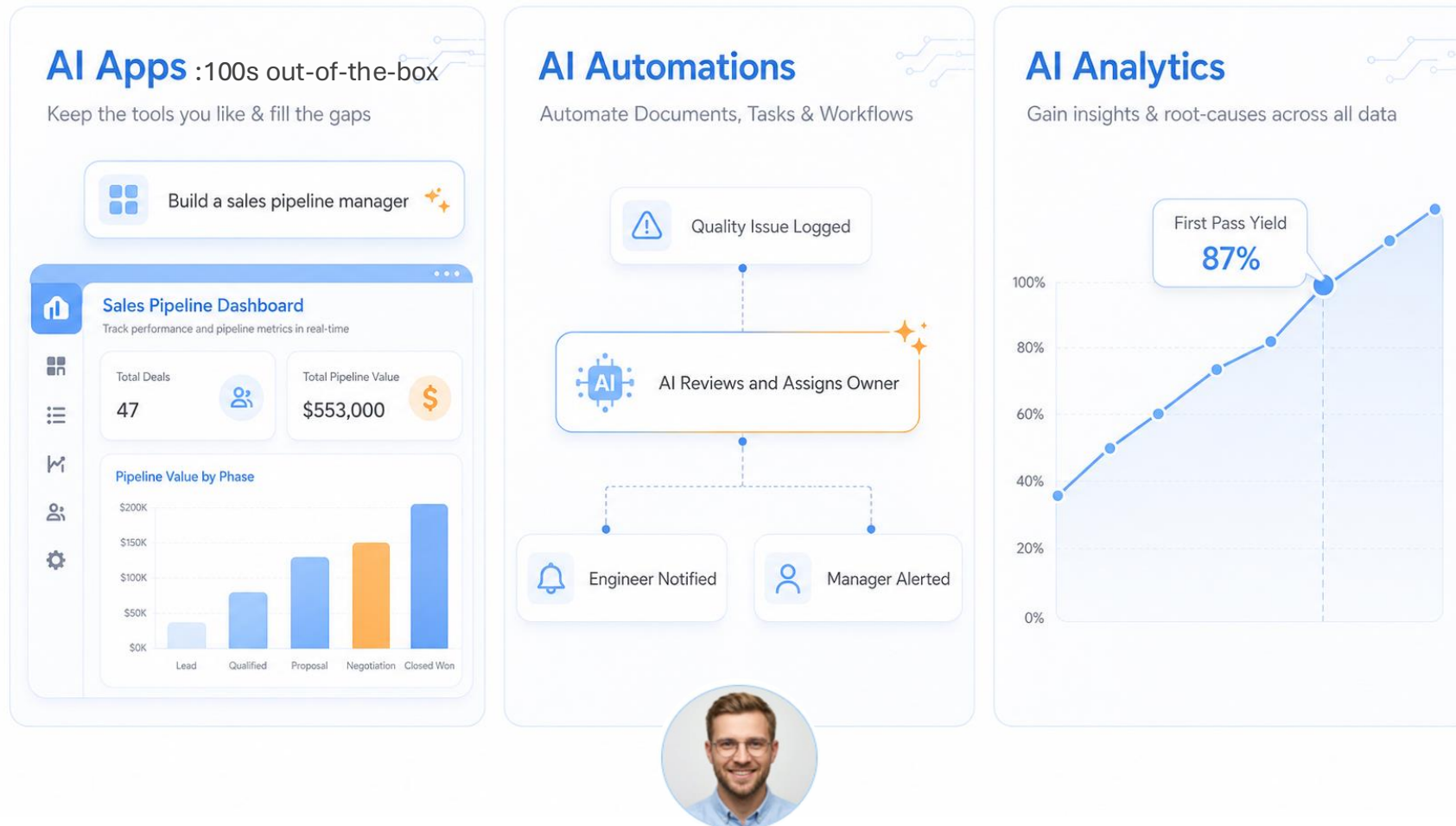


Automate workflows with tailored, integrated AI apps



What's Different

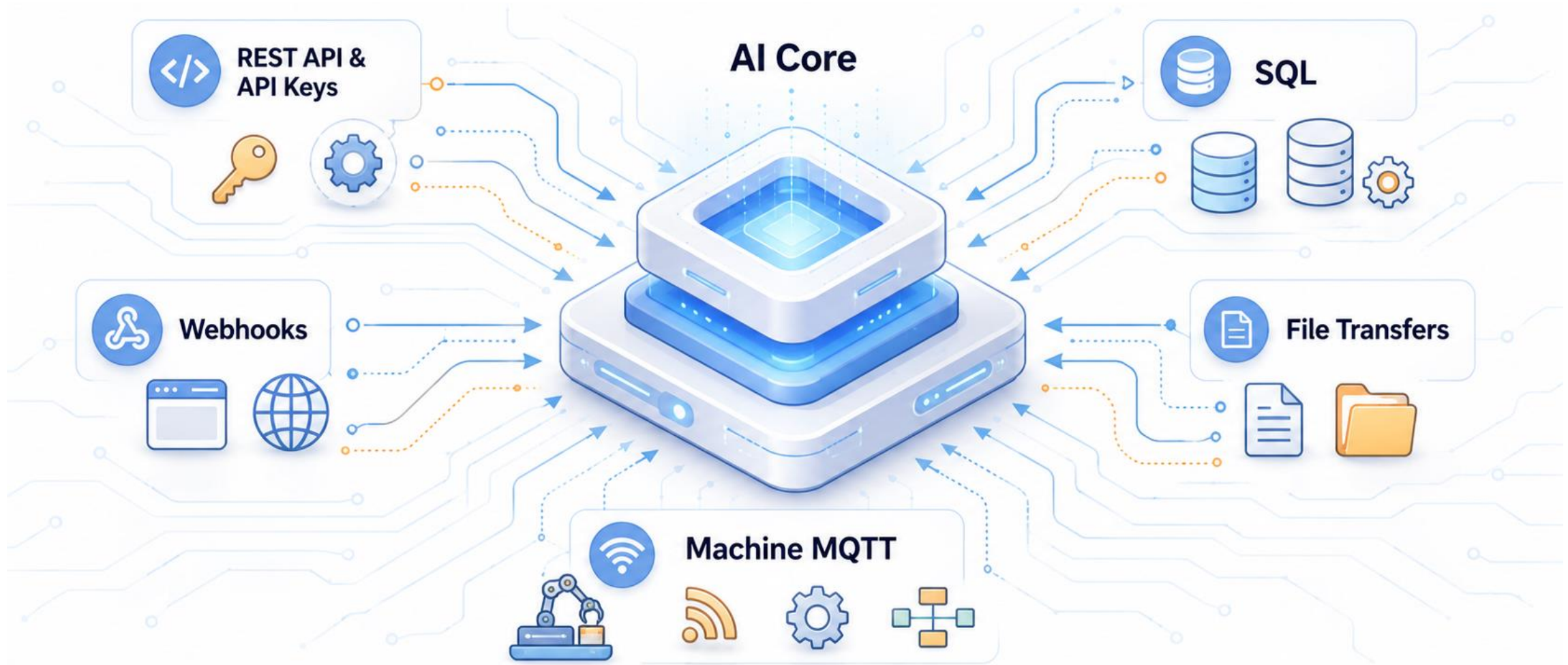
Praxie provides all the capabilities for end-to-end AI solutions, delivered in weeks!



Praxie Team Expert

Plus dedicated AI experts to guide, support, and deliver at every step of your project.

Connect your favorite tools and data sources.

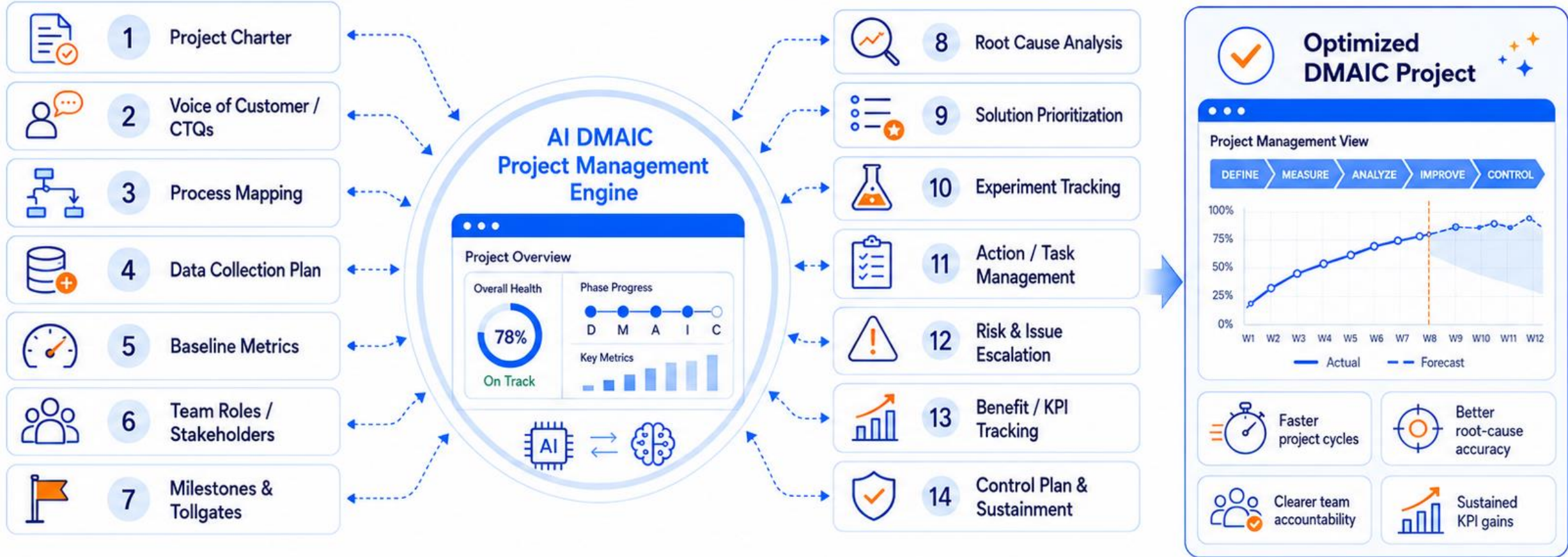


Built to be the central hub of your operations, not another isolated silo.

A powerful data integration layer ensures a unified view of your business.

Why DMAIC Project Management Is Complex

A DMAIC project must coordinate data, analysis, collaboration, and execution across every phase.



Why it's difficult



Many tools and artifacts must connect



Decisions evolve as data changes



One delay can ripple across phases



Cross-functional teams must stay aligned

ROI of AI-Powered DMAIC Project Management

How organizations reduce manual project work, improve cross-functional visibility, accelerate analysis, and drive better improvement outcomes.



1 Traditional DMAIC Project Management



1. Manual project tracking
spreadsheets, slide decks, and email updates



2. Disconnected data
metrics, process data, and documents live in silos



3. Slow analysis cycles
teams spend time gathering data before solving problems



4. Inconsistent execution
tollgates, actions, and follow-up vary by team

2 Transition to AI-Powered DMAIC



Project charters & VOC



Systems & APIs



Operational data



Documents & forms



Tasks & workflows



Stage gates & business rules

Live alerts & insights

Connected project data + AI guidance + workflow + analytics

3 AI-Powered DMAIC Project Management



1. AI project workspaces
structured Define, Measure, Analyze, Improve, and Control execution



2. AI-guided workflows
faster follow-up, task routing, and tollgate management



3. AI analytics
root-cause insights, trends, summaries, and decision support



4. Smarter project decisions
better visibility, speed, accountability, and control

Key ROI Elements



50% Less Admin Work
less time updating project status and chasing actions



35% Faster Project Completion
shorter DMAIC cycles and quicker problem resolution



30% Better Visibility
one live view across phases, actions, data, and results



25% More Workflow Efficiency
fewer handoff delays and stronger accountability



Less Rework & Better Control
standardized execution across teams and projects



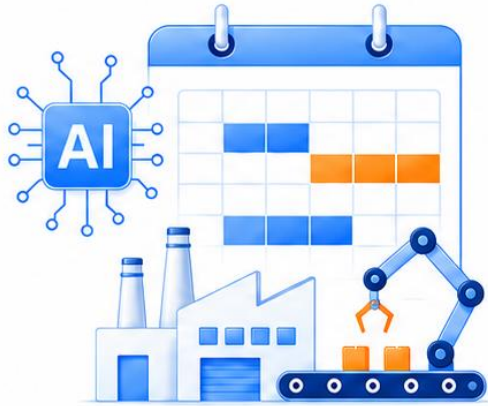
Faster Adoption & Scale
repeatable DMAIC practices with AI-powered support



Business Impact: faster improvement cycles, better project outcomes, stronger governance, and more scalable continuous improvement execution.

“We’ll Prove it” Special Offer

Give us sample data and we'll build a tailored AI-powered demo - **At no Cost**



AI Scheduling



AI Documentation



AI Analytics



We’ll demonstrate AI on your own data — before you commit.

→ See your own use case in action.