

**Beam AI x CDTM Hacks 2025**  
**Invent the Future of Work with Intelligent Agents**  
**Presented by: Beam AI Team**

The future is  
**Agentic**



**Beam AI**  
Building the future of enterprise  
automation with AI agents



Autonomous AI Agents to automate  
redundant and complex tasks

## Who We Are?

Beam AI specializes in AI-driven enterprise automation. Our autonomous agentic operating system streamlines workflows and optimizes decision-making.

## What We Do?

Enabling businesses to drastically improve efficiency by automating complex data processing tasks.

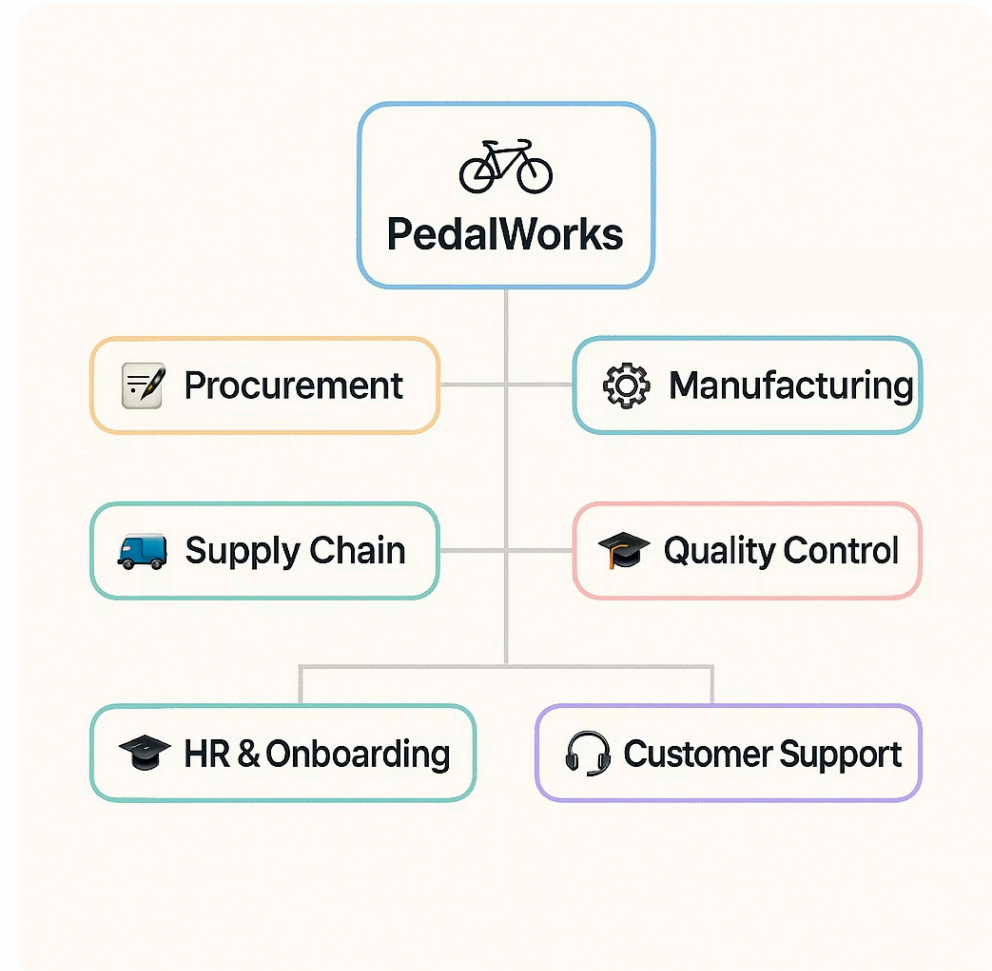
# Meet PedalWorks

PedalWorks is a fictional mid-sized bicycle manufacturer with 500 employees across 4 locations that is growing 30% year over year.

They operate across six departments:

- Procurement
- Manufacturing
- Quality Control
- Supply Chain
- HR & Onboarding
- Customer Support

Despite their scale, outdated processes and repetitive manual tasks slow them down.



**Your task:** Pick one department and build an AI agent that solves a real, recurring pain point — faster, smarter, and more scalable.

# Your Hackathon Challenge

## ✓ What You Need to Do

1. Pick a department at PedalWorks with a real operational bottleneck
2. Design and build an AI agent using Beam that automates or enhances that process
3. Demo your agent in action — show what it does, how it connects, and what value it delivers

## 🧠 What We're Looking For

- **Use Case Relevance:** Is the chosen problem real, well-defined, and critical to PedalWorks operations?
- **Agent Workflow Design:** Is the process thoughtfully structured using Beam's flow builder and features?
- **Technical Integration:** Are APIs, tools, or custom UI integrations used effectively (e.g., Loveable)?
- **Impact & Outcome:** Is there a measurable business benefit — such as time saved, errors reduced, or faster onboarding?
- **Presentation & Storytelling:** Is the final demo clear, engaging, and easy to follow with a well-articulated narrative?

## ☀️ Bonus Points if you

- Use **voice input or multimodal interaction** (e.g., trigger workflows via speech)
- Simulate or augment input data to test agent robustness (e.g., upload and vary multiple test examples)
- **Embed your agent** into a custom frontend using Beam APIs or Loveable
- Incorporate **Human-in-the-Loop** elements (e.g., approvals or feedback requests)

# Your Starter Kit

You'll receive curated, real-world-inspired datasets to power your agents:

## Datasets

Real-world, business-critical datasets to simulate and test agent behavior:

- **Source-to-Pay (Procurement)** — Sourced from Celonis
- **Order Processing (Supply Chain)** — From Beam's platform

## Sample App

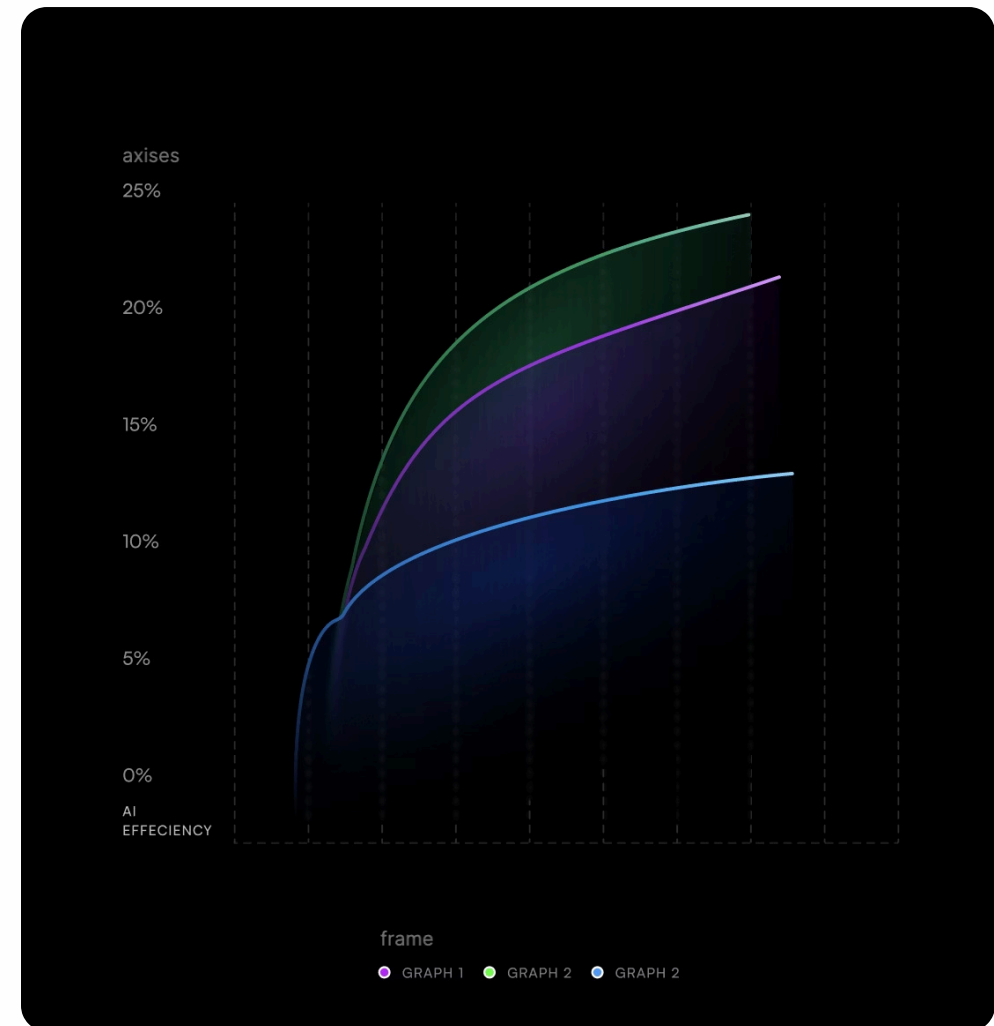
A Basic Reference App to help you:

- Connect your Agent via APIs

## Agent Learning (Beta Version)

Access our Beta Agent Learning Engine to:

- Continuously improve agent performance via feedback loops



Thank You

**Best of luck, hackers!**

We can't wait to see what you build 🚀

