

Every factory in America is bleeding cash on wastewater. Compliance violations cost \$70K–\$120K per incident — a material liability that threatens margins and operational continuity. Between fines and chronic chemical overspend from manual, non-real-time operations, factories face a cost crisis they can't hire their way out of: 2.1M U.S. manufacturing jobs will go unfilled by 2030.

This is the sharp edge of a much larger shift. Industry 4.0 flooded factory floors with sensors and data — but the bottleneck has moved from collection to *cognition and action*. NeuronBox is building the platform for autonomous AI experts that step into industrial roles humans can no longer fill. We start where the pain is sharpest and the ROI is immediate: wastewater treatment.

15x

Compliance Improvement

2.3x

Chemical Efficiency

\$44Bn

TAM (Global)

\$3.5Bn

SAM (U.S.)

\$160M

SOM (Beachhead)

MEET MAYA — OUR FIRST AI EXPERT

Maya is a real-time virtual wastewater expert powered by proprietary neural networks and computer vision. She plugs into existing factory infrastructure (no rip-and-replace), autonomously adjusts chemical dosing, predicts lab-grade results in real time, and runs root cause analysis — zero data science effort required from the customer.

HOW IT WORKS

Edge AI-Box connects to existing sensors and PLCs → Maya ingests real-time process data and computer vision feeds → Autonomous dosing adjustments and compliance optimization → Operators get actionable alerts and reports via portal/app. Deployed in days, not months. SaaS model, always on.

TRACTION

- 1 paying design partner (dairy factory, since Oct 2025)
- 3 active PoCs in food processing facilities
- 15x compliance improvement, 2.3x chemical efficiency proven
- Greenfield Eco — channel partner for Israeli market distribution

CASE STUDY: DAIRY FACTORY

60,000 m³ wastewater/year. \$70K/yr in fines. No night-shift operator. After Maya: 15x compliance improvement, 2.3x chemical efficiency. Client became our first paying design partner with 4x growth potential via new facilities (2028).

BUSINESS MODEL

SaaS subscription per facility. Target ACV of \$60K–\$120K depending on plant size and complexity. Gross margins >80%. Land-and-expand: each facility deployment creates upsell into additional treatment units and adjacent processes within the same plant.

FROM WEDGE TO PLATFORM

Maya proves the autonomous agent architecture in wastewater → same core technology applies to Oil & Gas water treatment (\$1Bn market) → extend into adjacent industrial processes (manufacturing planning, logistics) → end state: an industrial AI agents marketplace — one-click virtual operator hiring. Each vertical reuses the same edge-to-cloud infrastructure and agent framework.

WHY NOT INCUMBENTS?

Siemens, ABB, and Rockwell offer analytics dashboards — not autonomous agents. Their tools require data science teams, months of customization, and sell alongside hardware. NeuronBox is infrastructure-agnostic, pre-trained, and deploys in days with zero customer ML effort. We compete on time-to-value, not hardware lock-in.

THE ASK — \$3M SEED

This round funds 18 months to reach Series A inflection:

- 10 PoCs + 5 paying customers across U.S. and Israel
- >\$1M ARR run-rate by end of 2026
- >\$3M ARR target by 2027
- Expand agent capabilities for Oil & Gas entry

TEAM

Ofer Hayut, CEO — Entrepreneur, AI ventures lead. Elite IDF special forces. Technion EE (ex-Mellanox, Imagery). Tomer Harari Hamam, CTO — PhD in Distributed AI. Ex-Israeli Navy Major. Autonomous systems expert.