neural foundry

Pitch Deck

H1 2025
Version 2.2

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Problem Statement

Across industries, up to 60% of time is spent on manual, repetitive tasks, driving up costs and errors. Skilled Professionals are tied to routine work, highlighting the need for intelligent automation.

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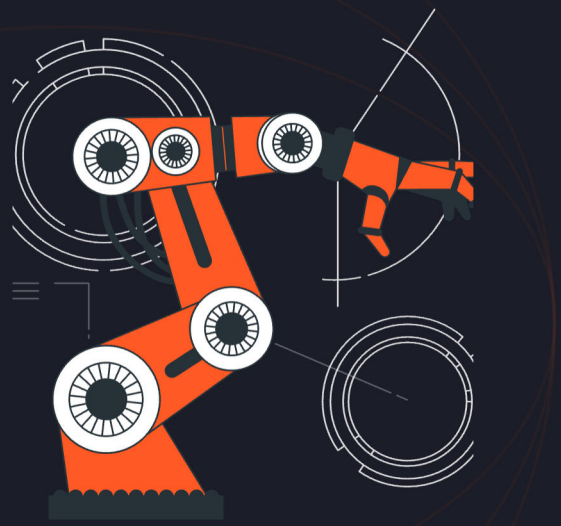
Mission Statement



At Neural Foundry, we integrate Intelligence, Robotics & XR to automate complex and manual workflows across industries with our *products.*

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Challenges We Solve

Enabling Enterprises where Devices, Systems, and Humans collaborate effortlessly

- Simplified Communication Protocols
- No More Bespoke Logic
- Amplified Consistency
- Maximized Automation between Devices

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About Us

Our products - URP, Alex, and RAVEN enable seamless, scalable, and intelligent workflows to modernize traditional industries' automation.

Clientele Persona

Clients Served: 11

Industry Expertise in

- Pharmaceutical
- Industrial Automation
- Agriculture
- Real Estate

Financial Growth

Revenue till date : $1M+

Growth Rate at 45%

Team Strength

Expert Team : 38 *and growing*

Specializing in AI, Robotics & Software

Engagement Model

1. Discovery & Consultation
2. Product Mapping & Proof of Concept
3. Full-Scale Implementation
4. Ongoing Support & Performance Optimization

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Value Proposition

UNLOCKING BUSINESS BENEFITS
WITH

ALEX WORKSTATION

- Process Mapping
- Configure Workstation
- Build & Automate
- Release

AUTONOMOUS ROBOTS

ROBOTIC ARMS

AI MODELS
XR + LLM

URP

- Fleet Management
- Data Analysis
- Predictive Models
- Value Increase

- Health care
- Agritech
- Automobile
- Construction
- Industries
- Warehouse

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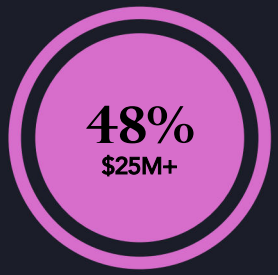
Market Analysis

$12.7B
by 2025

Assuming the overall automation market size across all sectors is projected to be $12.7 billion by 2025 and considering that only 10% are fully leveraging automation, the remaining 90% represent an attainable market of approximately $11.43 billion across all sectors.



Companies are increasingly prioritizing automation investments, particularly in logistics (48% planning $25M+ investments) and retail (54% with similar plans), seeking rapid cost efficiency.

With 60% of companies planning to automate chemical processing and data management for streamlined production and optimized resource utilization operational efficiency is set to increase by 40%

Despite substantial projected automation investments across various sectors, including logistics, retail, life sciences, automotive, and food, with up to 38% planning over $100 million investments, only 10% have established comprehensive automation strategies.

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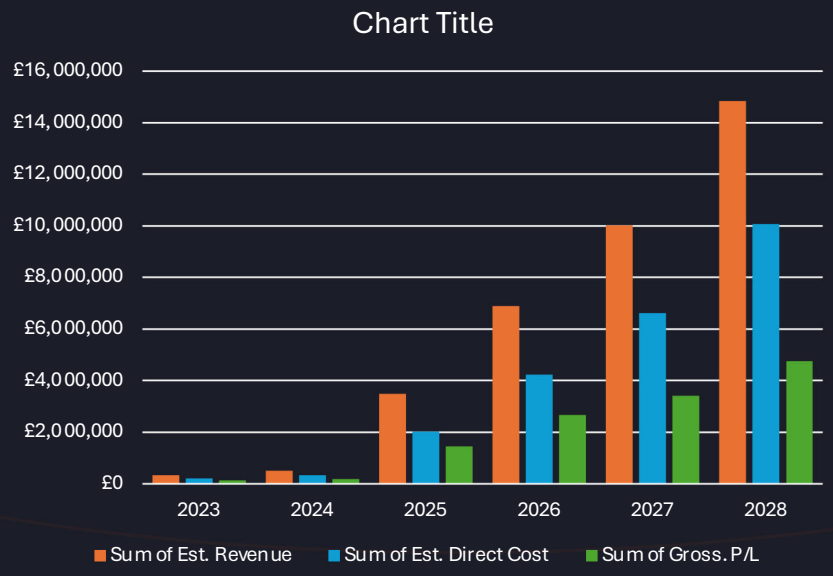
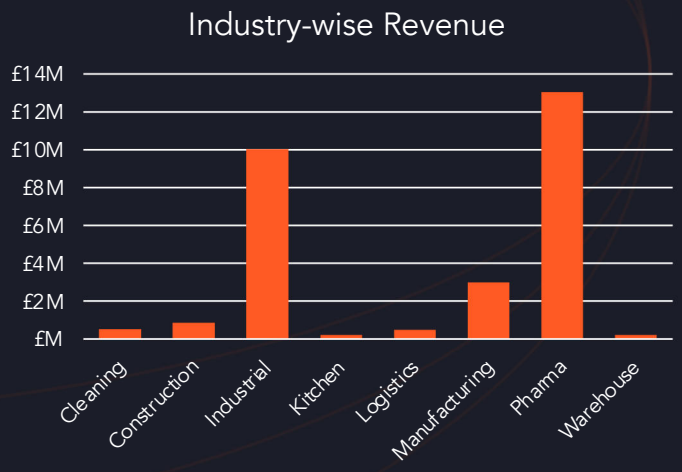
Financial Performance

Driving revenue through multi-year engagements with enterprise clients and an innovation-led go-to-market strategy. Our state-of-the-art solutions align with target customers, ensuring sustainable growth and competitive positioning.





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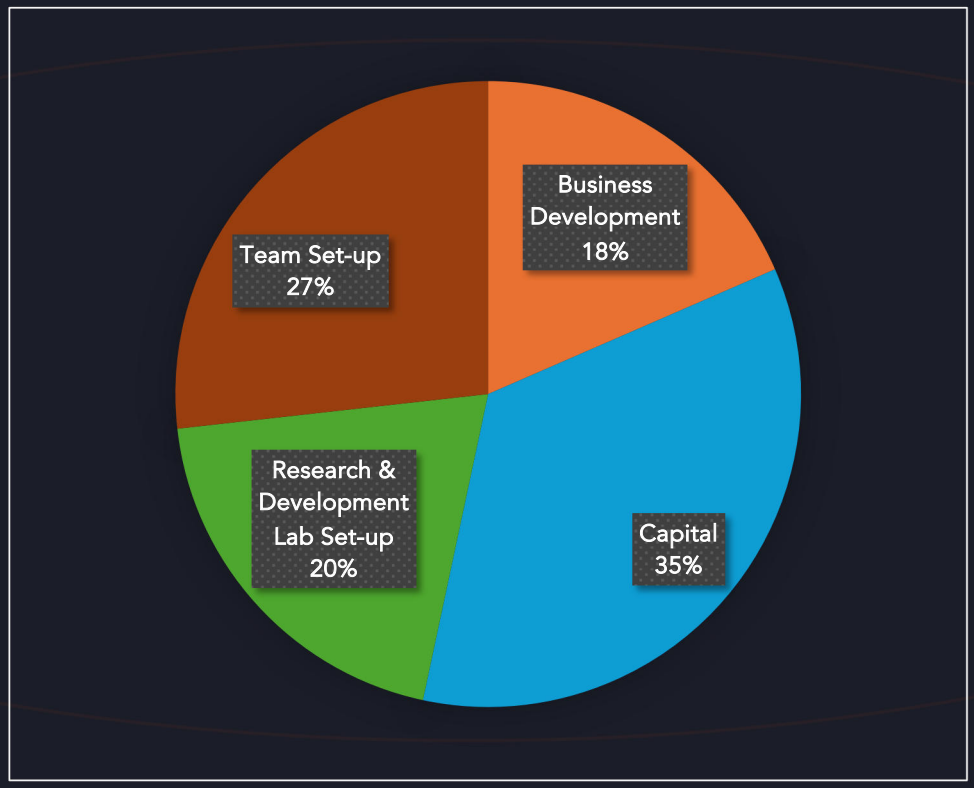
Investment Overview

Neural Foundry is seeking £2m in growth capital.

Driving growth in key Middle Eastern and European markets, enhancing client value, and investing in R&D and engineering to advance the Alex, Raven and URP.



Investing in skilled engineering talent to maintain superior product quality, focusing on high-precision solutions and robust tech support

Financing the roll out of its £4m order book over the next 12 months

The Company is S/EIS qualifying for UK investors

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Founding Team

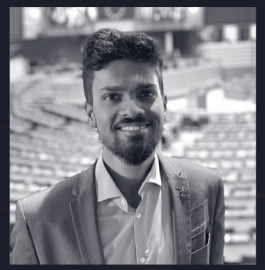
A First-Class Honors graduate in Computer Science from the University of Warwick, specializes in machine learning and data visualization. Known for his technical expertise and innovative mindset, he ensures Neural Foundry stays at the forefront of advancements in AI and ML. His achievements include securing the "Best Project Award" from Morgan Stanley, where he stood out among 300 students as one of the Top 5 performers.

Nikhil Kalamannil

CTO

Dhruva Konidena

CEO



A First-Class honours graduate from the University of Warwick, is celebrated for his problem-solving skills with over 6 years of cumulative experience. An IndustryWired 30 Under 30 honouree, he co-founded Neural Foundry to pioneer AI-driven automation. Winner of Deutsche Bank's "Best Project Award," Dhruva has led Neural Foundry to global acclaim, ranking among London's Top 20 Robotics Startups and Web Summit's Top 7 Innovations.

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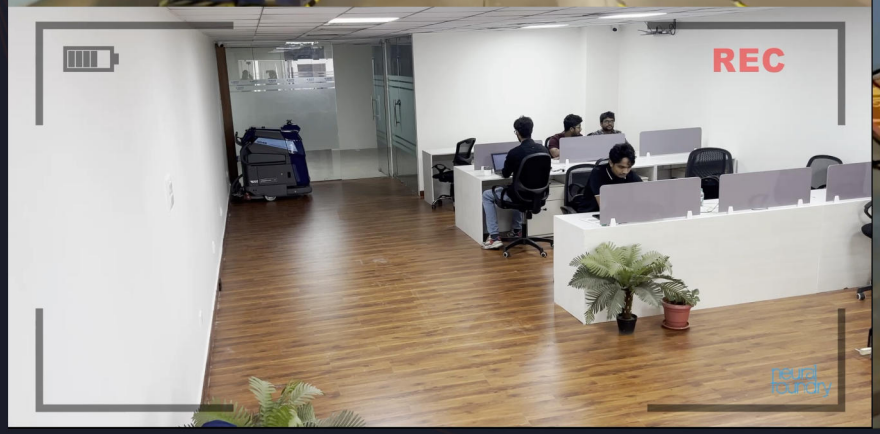
Demonstration Snippets



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Automating QC Workflows with Alex

Product(s): URP, Alex Pharmaceutical India

Impacts Delivered

4x
Faster Workflows
Saved 180 minutes per preparation cutting time from 240 to just 60 minutes.

90%
Reduction in manual interventions
Cut from 81 to just 8, 73 fewer human touchpoints

75%
Reduced human effort
Enabling teams to focus on critical, high-value tasks instead of manual handling

Challenge

- QC analysts spend 6 hours daily on manual prep, slowing workflows.
- 90% of tasks are manual, wasting skilled resources
- Automation is limited, keeping critical steps manual.
- 80+ touchpoints per batch raise contamination and inconsistency risks.
- Inconsistent quality and low throughput impacting compliance and productivity

Solution

- Alex, powered by URP, automates preparation workflows with selected pharmaceutical hardware
- Predefined Action Files standardize sample, standard, diluent, and mobile phase prep
- Analysts create and modify Action Files, ensuring flexibility without technical expertise
- URP enables centralized control and real-time monitoring of all devices.
- Industry Grade Hardware, and rigorous audit trails ensure compliance with regulatory standards

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Automating Hazardous Workflows with Robotics and AI

Product(s): URP, Robotic Solution | Steel Manufacturing, Industrial | Spain

Impacts Delivered

100%

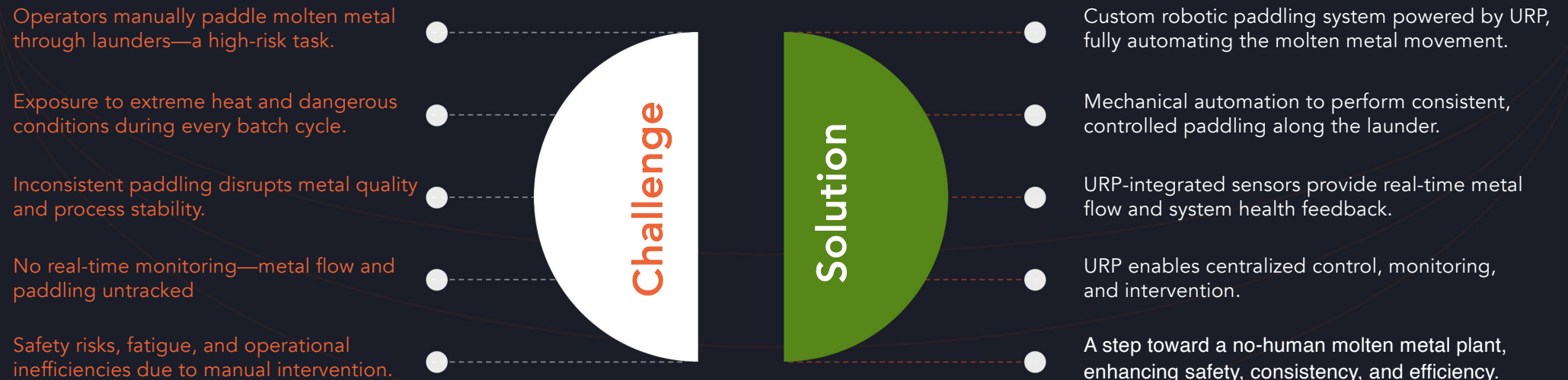
Elimination of manual paddling over a 15m molten metal launder—zero human heat exposure.

Safer work environment

significantly lowering risk of heat-related injuries and operator fatigue

80%

Reduction in process variability, achieving consistent, controlled molten flow



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AI-Powered Cleaning Robots with Vision-Driven Tasking

Product(s): URP, Robotic Solution, AI Engine | Retail, Public Spaces, Large Facilities | UK, Germany

Impacts Delivered

Higher ROI
From existing robots and CCTV ensuring fully utilized assets

70%
Reduction in unnecessary robot usage
Cleaning only when needed

80%
Reduction in manual supervision hrs
Minimal human monitoring

Scalable
No additional hardware required

Challenge	Solution
Cleaning robots run 12+ hours daily, wasting 50-70% time on clean areas.	URP integrates CCTV and sensors, using AI to detect spills and waste.
No real-time spill or waste detection, delaying critical responses.	URP dispatches cleaning robots only when needed via AI detection.
Supervisors spend 6-8 hours daily monitoring, straining operations.	URP's AI enables targeted robot deployment without human input.
Robots and CCTV lack integration, missing real-time cleaning activation.	AI learns patterns to enable predictive c leaning workflows.
High costs, low ROI due to inefficient robot use and oversight.	Supervisors can oversee or intervene, minimizing manual effort.

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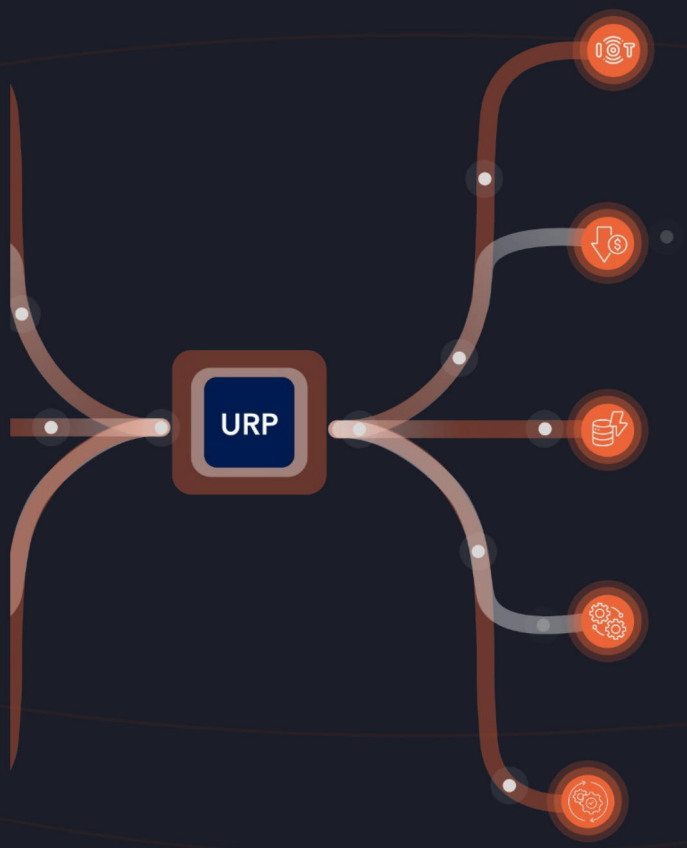
Unified Robotics Platform

Cluttered Devices.

Scattered Databases.

Endless Protocols.



Single platform.

Effortless Integration

Consolidated Analysis

IoT System Unification

Adaptive Intelligence

40 %

Streamlined Management

Cost-Effective Automation

Accelerated Decision-Making

Eliminates Compatibility Issues

Maximum Efficiency

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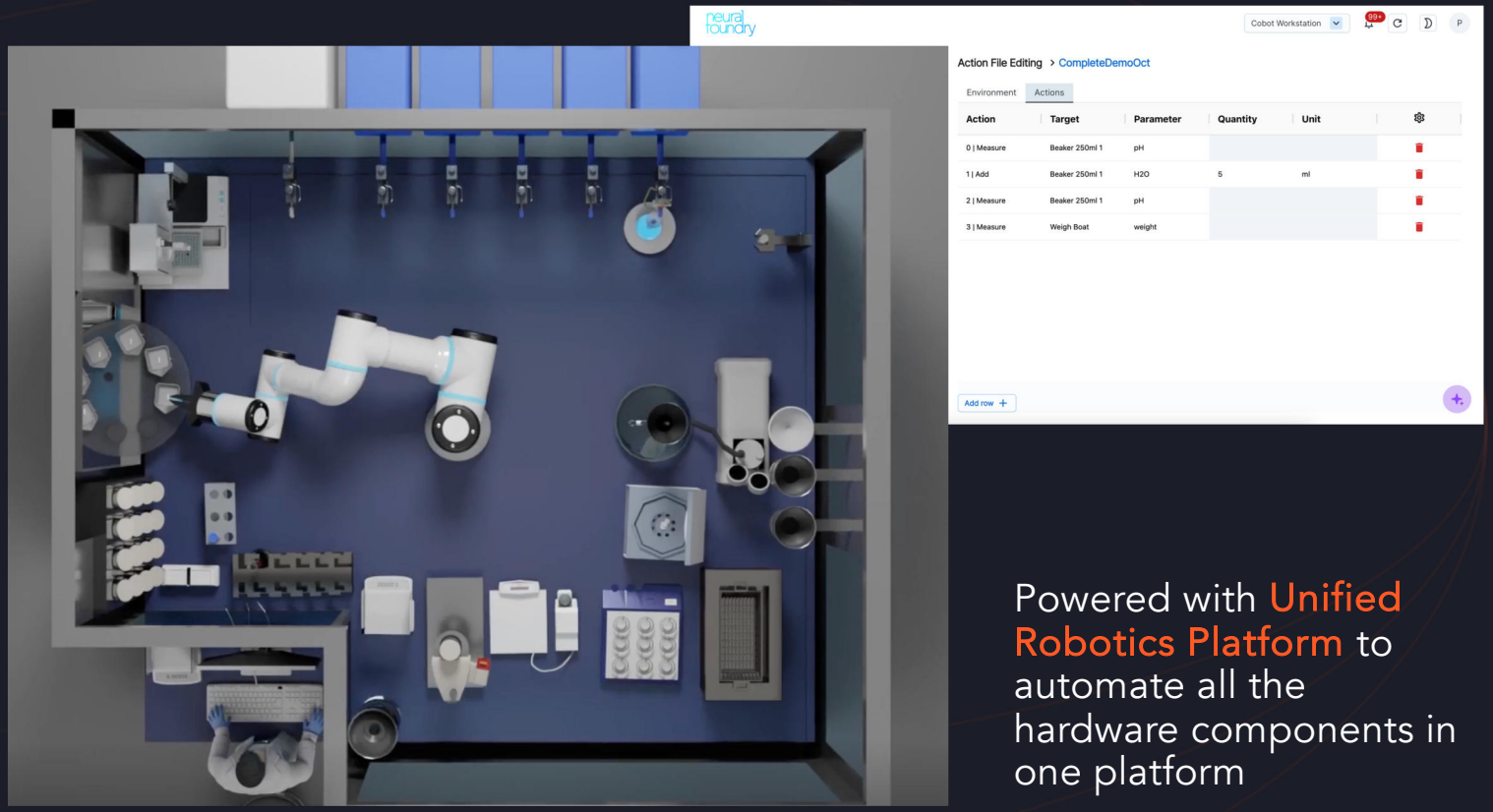
Introducing Alex.

Workstation with configurable hardware components assuring modularity and flexibility.



Powered with Unified Robotics Platform to automate all the hardware components in one platform

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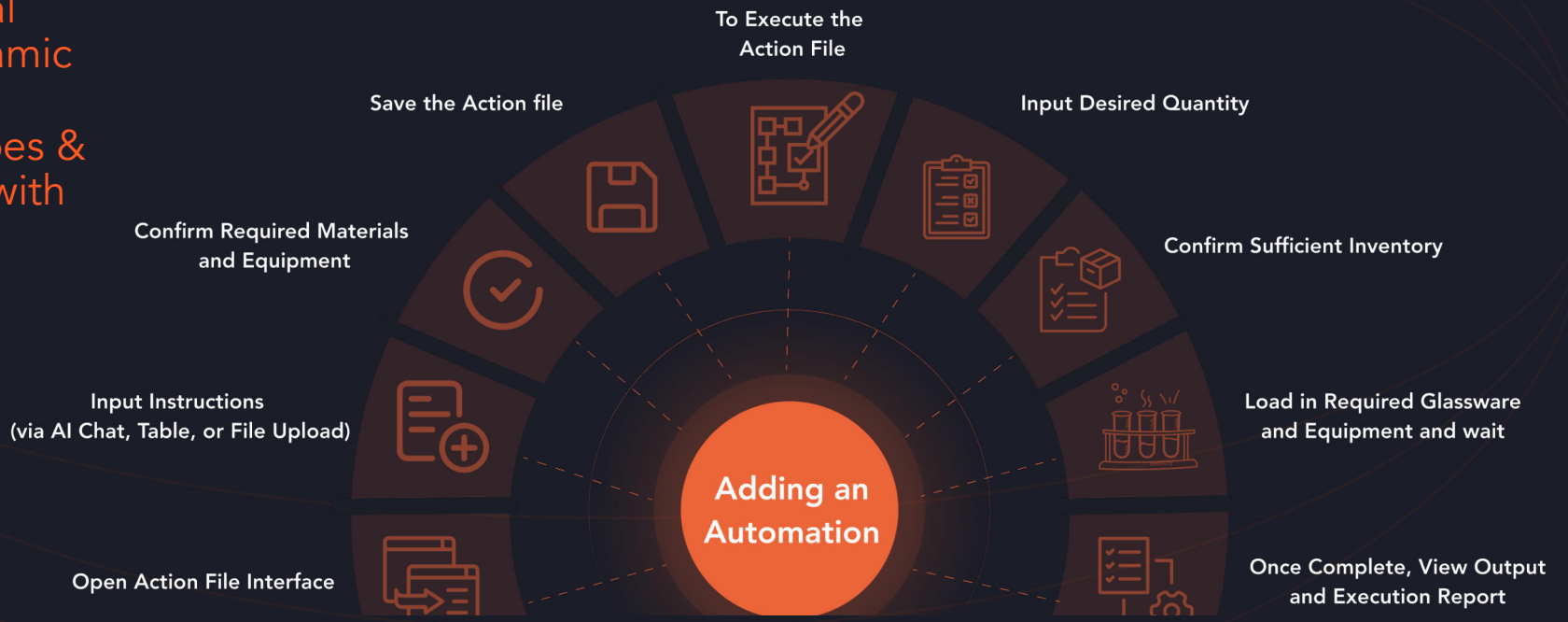
Alex Workstation

AFI – Action File Interface
Transforms Manual Processes to Dynamic Automation with configurable recipes & processes set up with URP.



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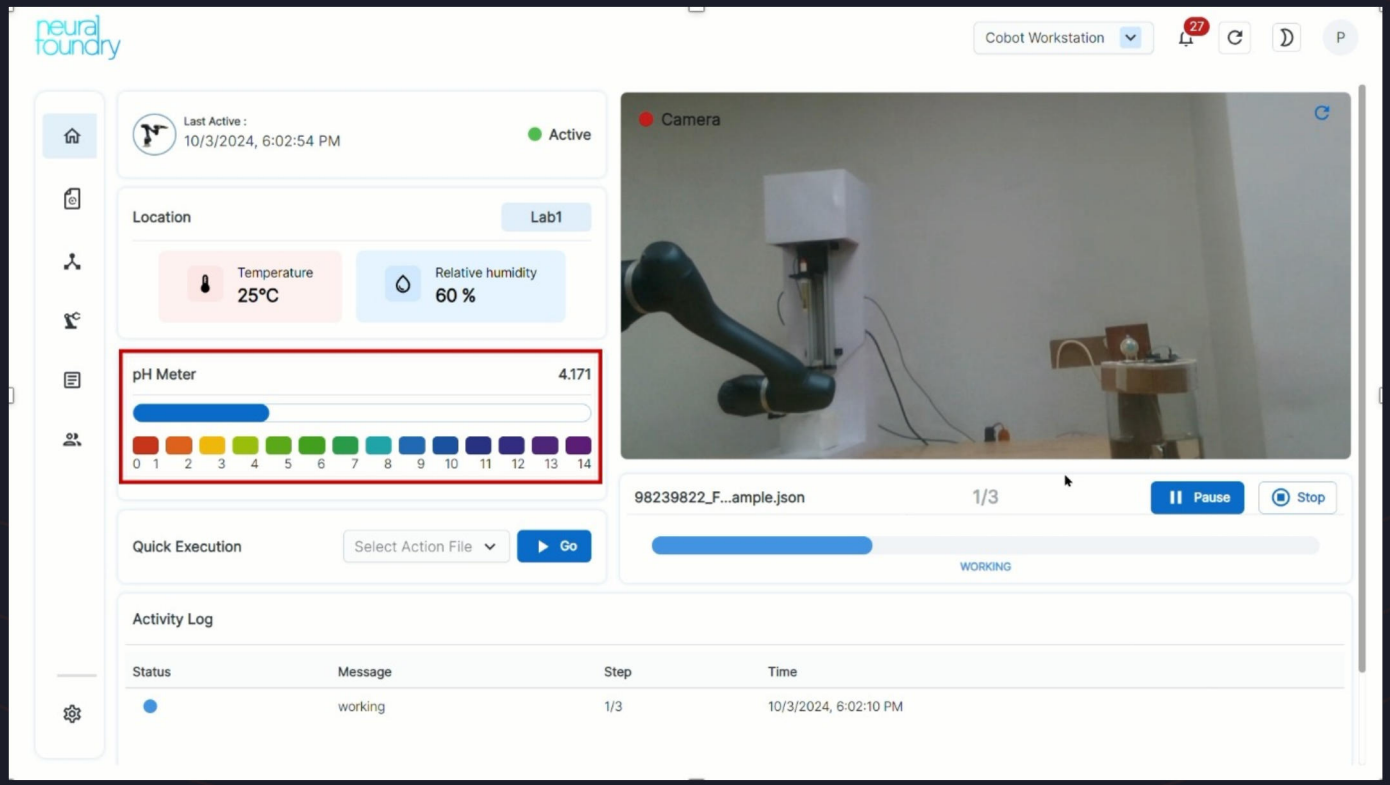
URP + Alex in Harmony



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2x Your Operational Hours

Parallelise Execution and Slash Time

Realise a Return within 12 Months

Increase Throughput by up-to 250%

Reduce Errors by over 80%

ALEX

Driving Impact

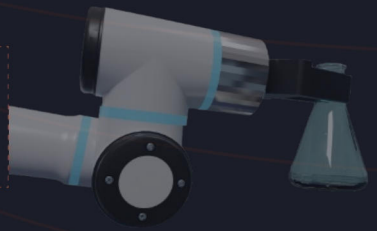
URP

Save Time and Complexity by Unifying IoT Device Management

Custom Automations and Dashboards driven by your needs

Reduce the Cost of new Automation by 30%

Centralise Data & Accelerate Decision Making by 50% using URP's AI forecasting



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RAVEN

Robotic Arm Virtual Environment

A Virtual playground for controlling, training and enhancing the robotic operations.

Cutting-edge technology:

Built on the powerful Unity engine, the application is designed to be robust and hold great potential for scalability.

Controlling:

Manipulating the COBOT is now made easier and intuitive through enhanced user experience, allowing manual actions through XR.

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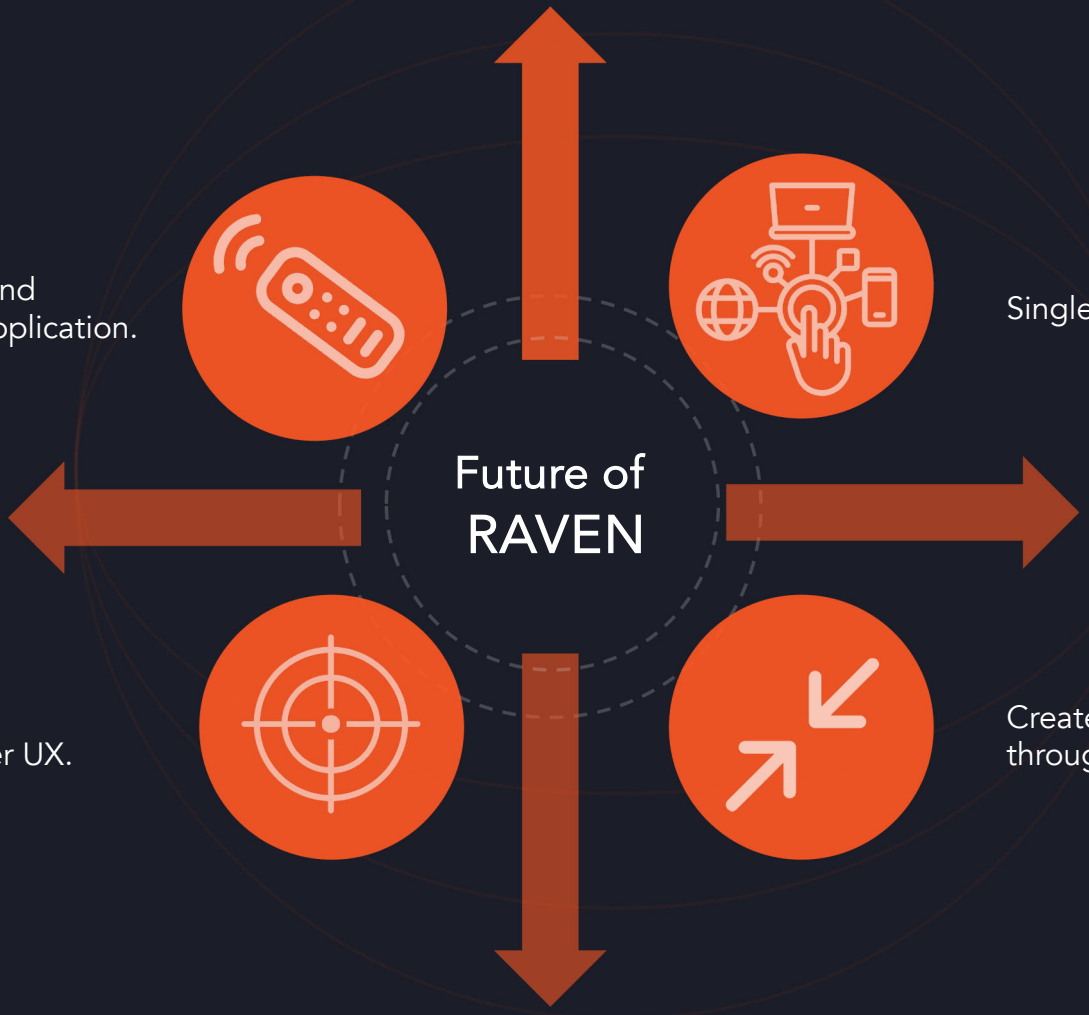
Remote control and deployment of application.

Single platform-multi devices.



Accurate camera overlays for better UX.

Create new actions by the user through URP to be used in AFIs.

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Raven Teaser

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HEALTHCARE

EDUCATION

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Companies partnered with us fostering Innovation

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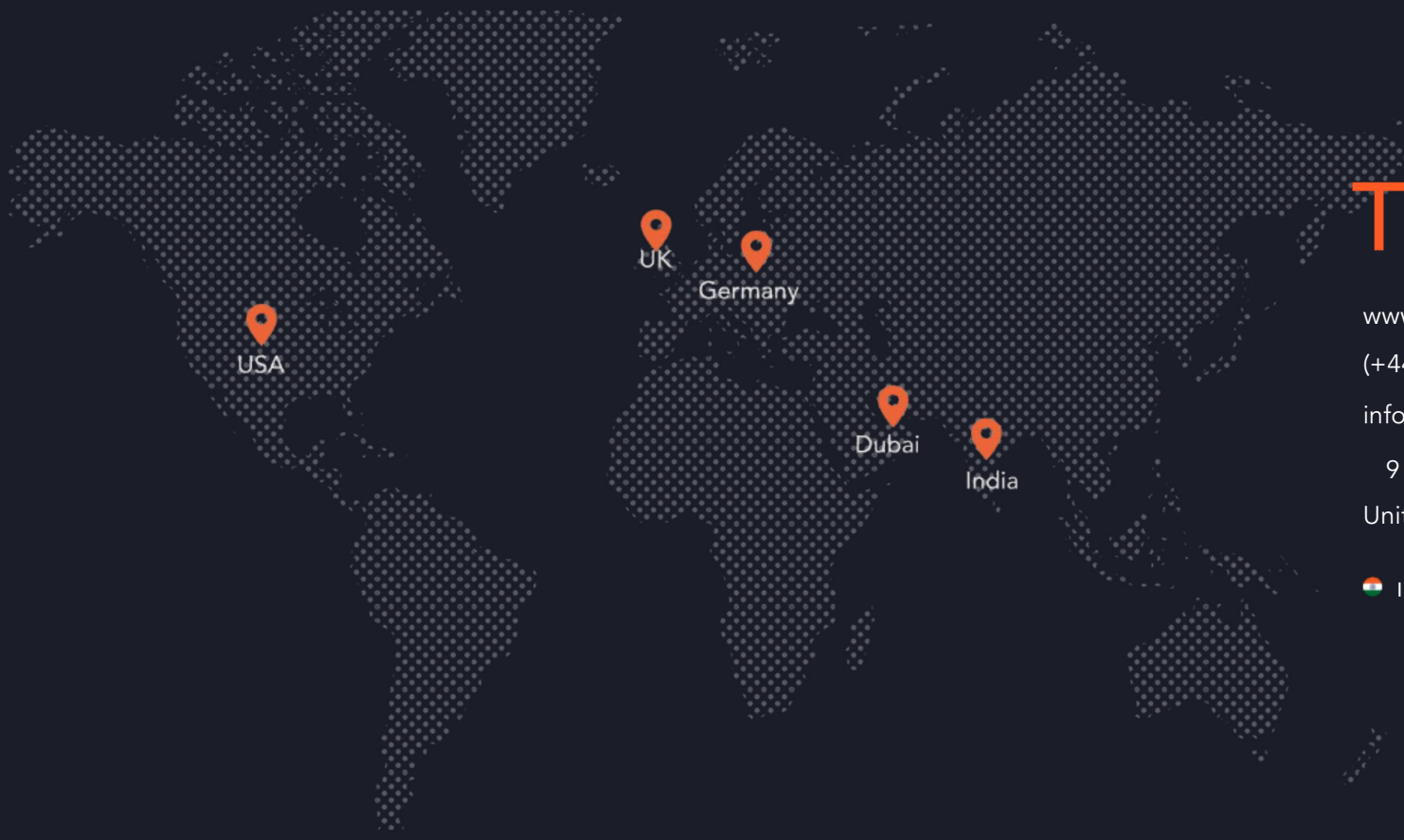

Thank You!

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