



ManuBot — Your Factory's AI Voice Command Centre

*Run manufacturing operations in Urdu &
English — hands-free, No typing required*

Presented by: Team TechNova

The Team TechNova

Meet the dedicated individuals driving ManuBot's innovation and success.

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The Problem

Many Pakistani SMEs still rely on traditional methods like Excel and Paper.

- This causes delays, data errors and production stoppages.
- Inventory mismanagement leads to stock-outs and overproduction.
- Production scheduling errors create downtime and lost orders.
- Complex ERPs are unaffordable and hard to adopt.

❏ Pakistan's 30,000+ factories lose millions yearly due to outdated processes.



Our Solution — ManuBot



ManuBot is an AI-powered ERP interface with robust voice control and local-language understanding.

- Hands-free operation in Urdu & English
- Real-time updates to inventory, production and finance
- Accessible for frontline workers — no training overload



Before → After: Impact Snapshot



Before

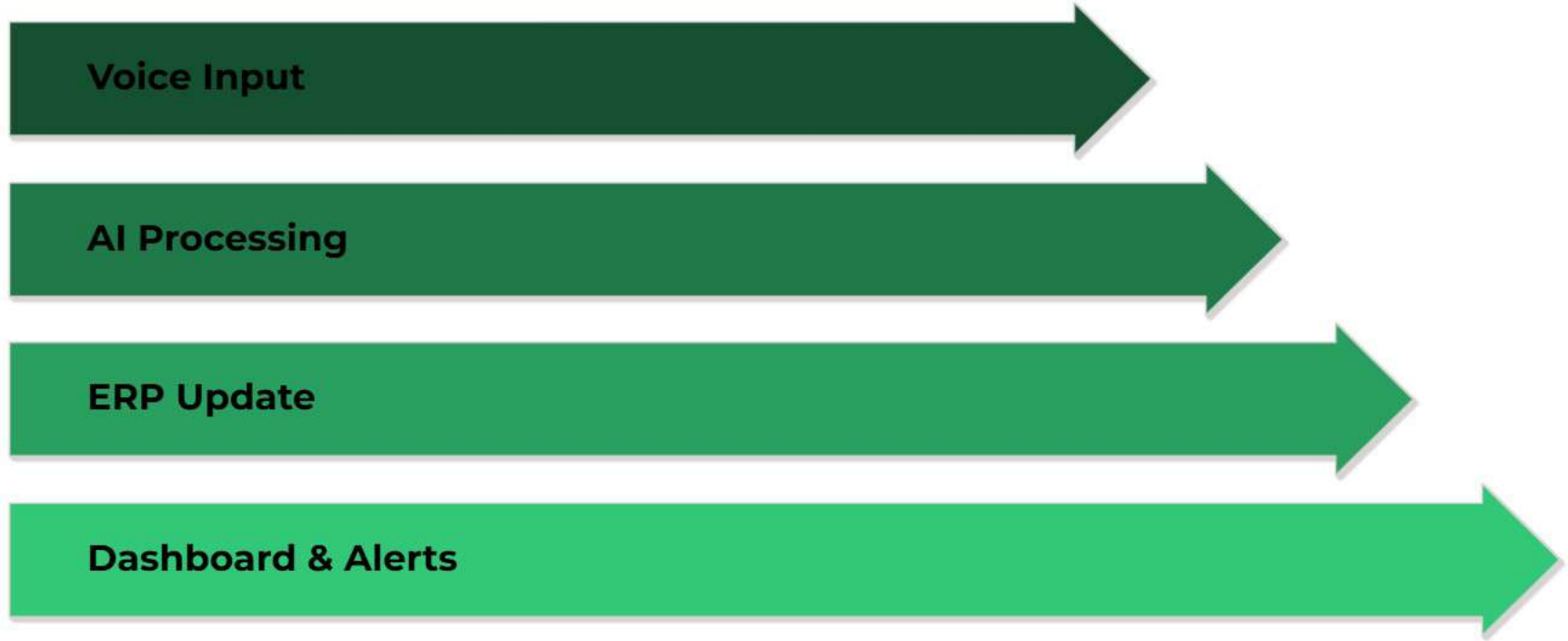
Manual entry, delays, duplicate records, reactive fixes.



After

Voice command updates ERP instantly — fewer errors, faster decisions.

How ManuBot Works



Core Features



Voice-Powered ERP

Hands-free commands for inventory, orders and quality checks.



Inventory Management

Real-time stock levels, FIFO tracking and alerts for discrepancies.



Production Planning

Machine scheduling, job cards and on-the-floor voice confirmations.



Predictive Maintenance

IoT monitoring with early fault detection and maintenance prompts.



Analytics Dashboard

KPIs: OEE, costs, uptime — accessible on mobile and desktop.

Technology Stack — Practical & Lightweight



Frontend: React, Next.js, React Native, Tailwind

Voice & AI: OpenAI Whisper, Porcupine wakeword, GPT-4o-mini for intent/routing

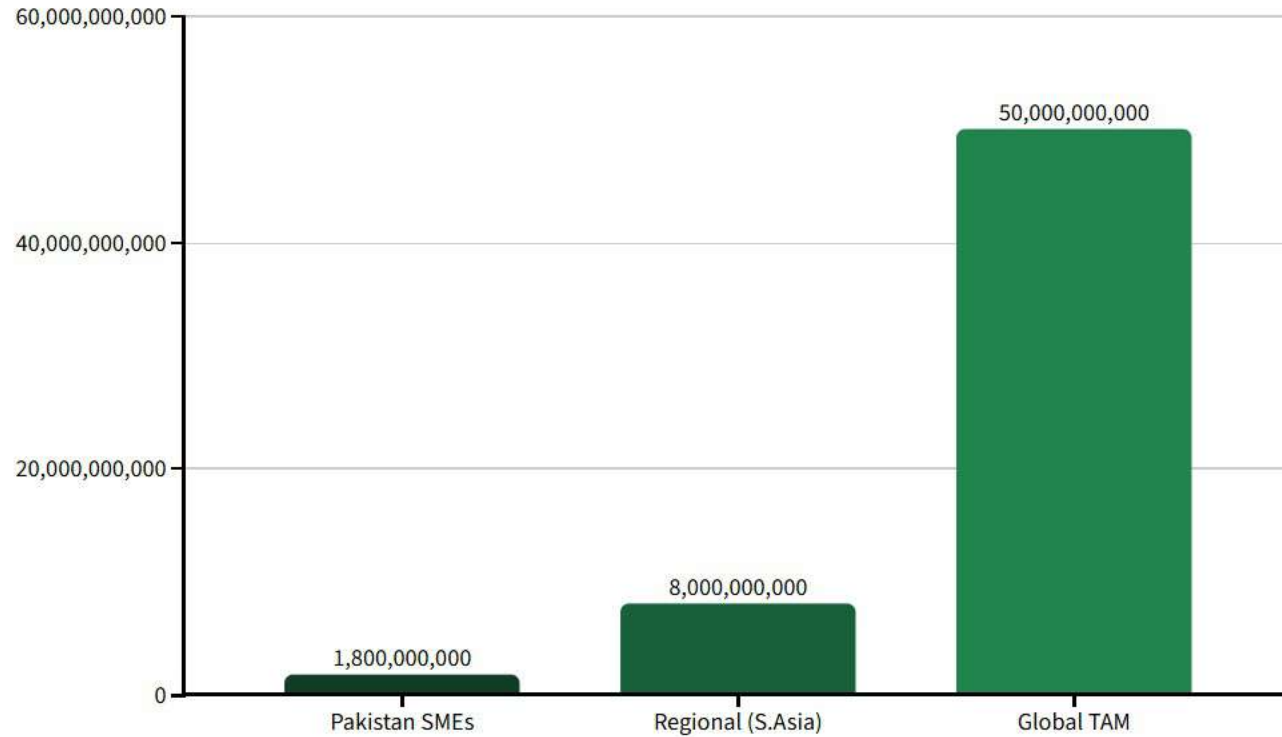
Backend: FastAPI, MongoDB Atlas, Redis, Supabase

IoT & Edge: MQTT, Modbus, OPC-UA for sensor integration

Hosting & Storage: Render, AWS S3, MS Azure

APIs: ElevenLabs, DeepGram

Market Opportunity



- 30,000+ factories in Pakistan represent an estimated \$1.8B opportunity. Scalable to regional and global markets with a low-cost voice advantage.

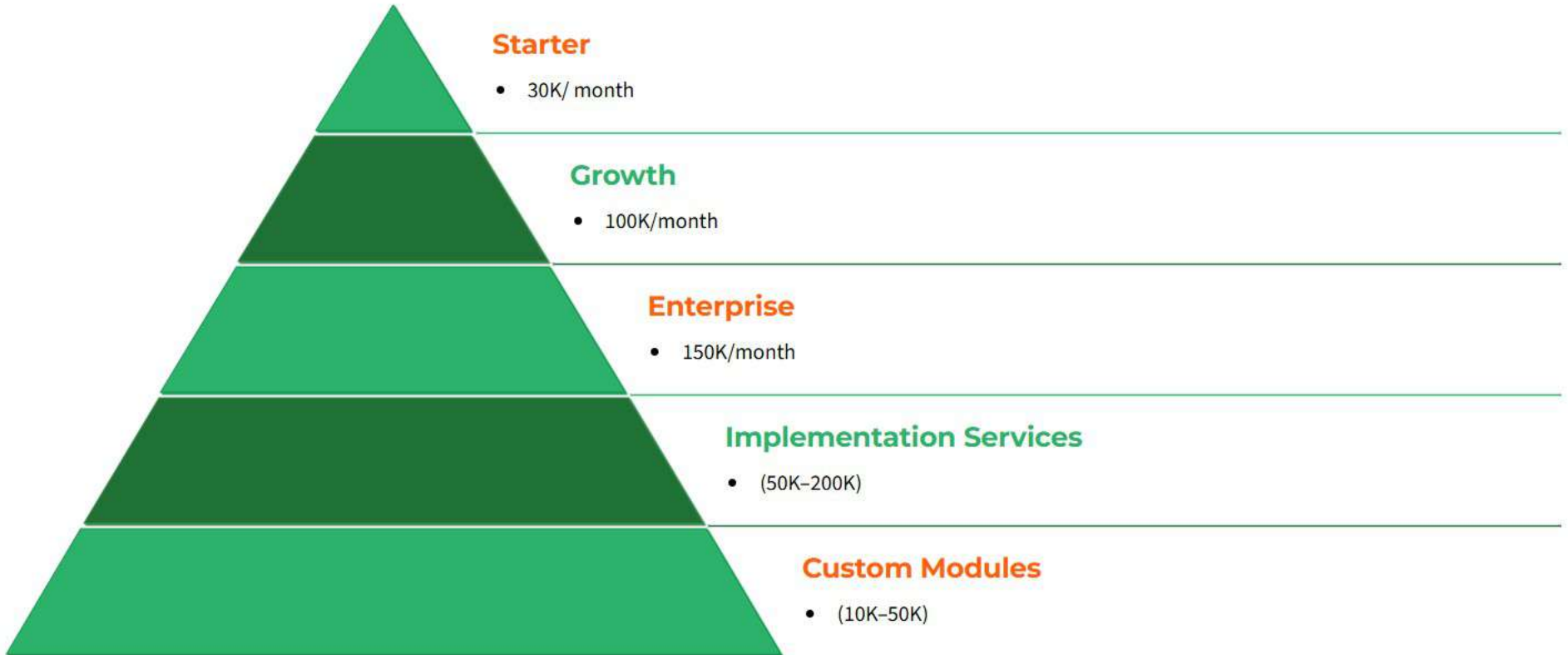
Competitive Edge

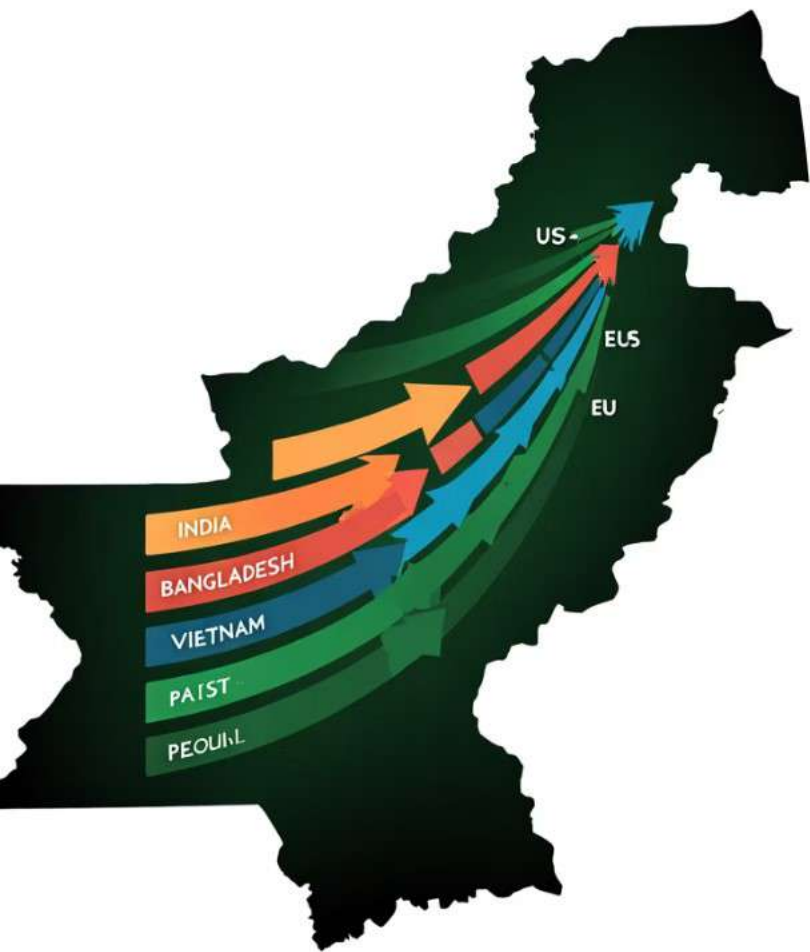
Product	Voice	Local Lang	SME Focus
SAP / Oracle	✗	✗	✗
Odoo / ERPNext	✗	✗	⚠
Excel	✗	✓	✗
ManuBot	✓	✓	✓

- **ManuBot combines affordability, voice control and Urdu support — built specifically for SME workflows.**

Business Model

- Free Trial for First 3 Months





Go-to-Market Strategy

1. **Pilot:** 10 factories in Faisalabad (3-month free trial)
2. **Regional:** Scale across South Asia
3. **Global:** White-label partnerships with OEMs

Financial Projections

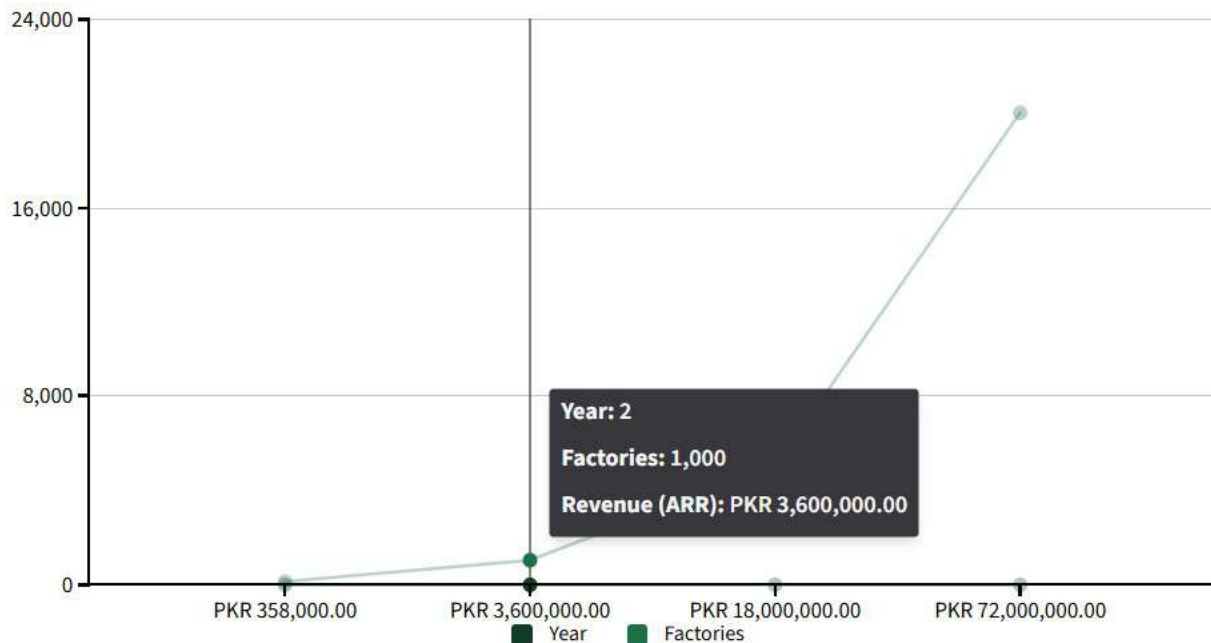
We anticipate a steep increase in both factory partnerships and recurring revenue over the next five years, reflecting the urgent market need for accessible, voice-powered ERP solutions.



This aggressive growth trajectory is supported by our scalable technology and targeted go-to-market strategy, positioning ManuBot as a leader in the industrial AI space.

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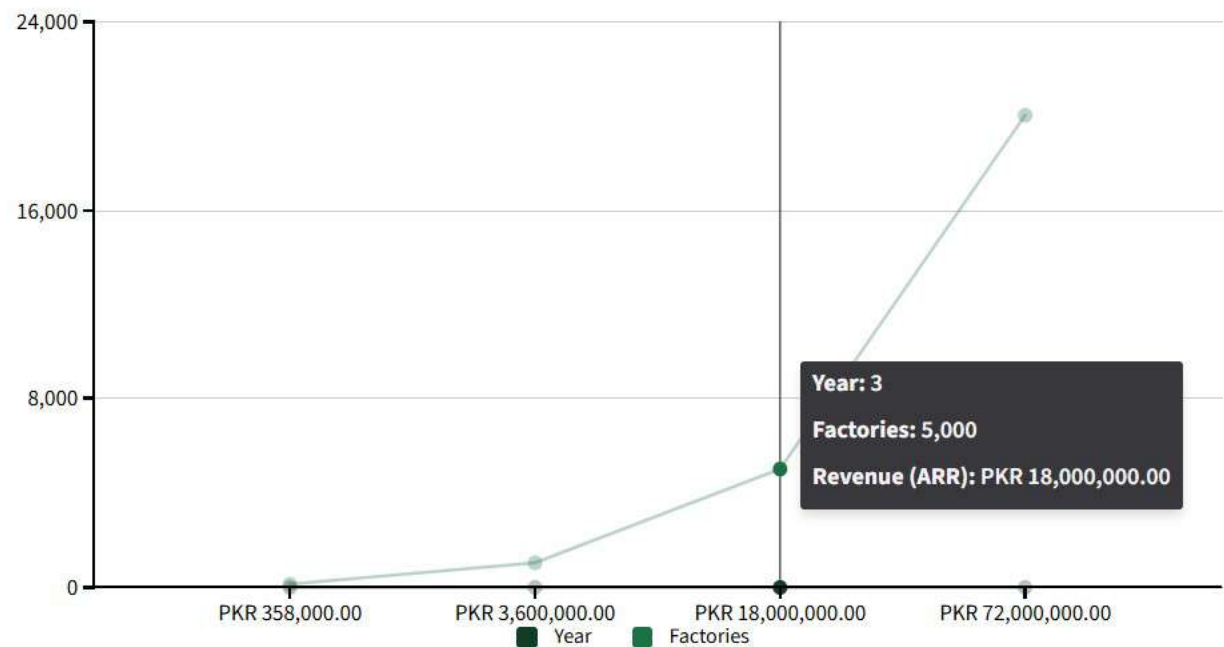
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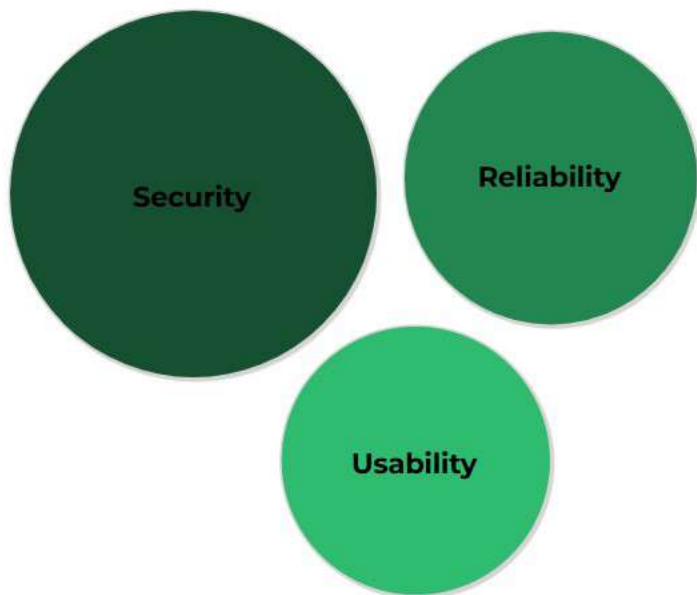
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Risk & Mitigation



Voice accuracy

Fine-tuned Whisper + Krisp
noise reduction

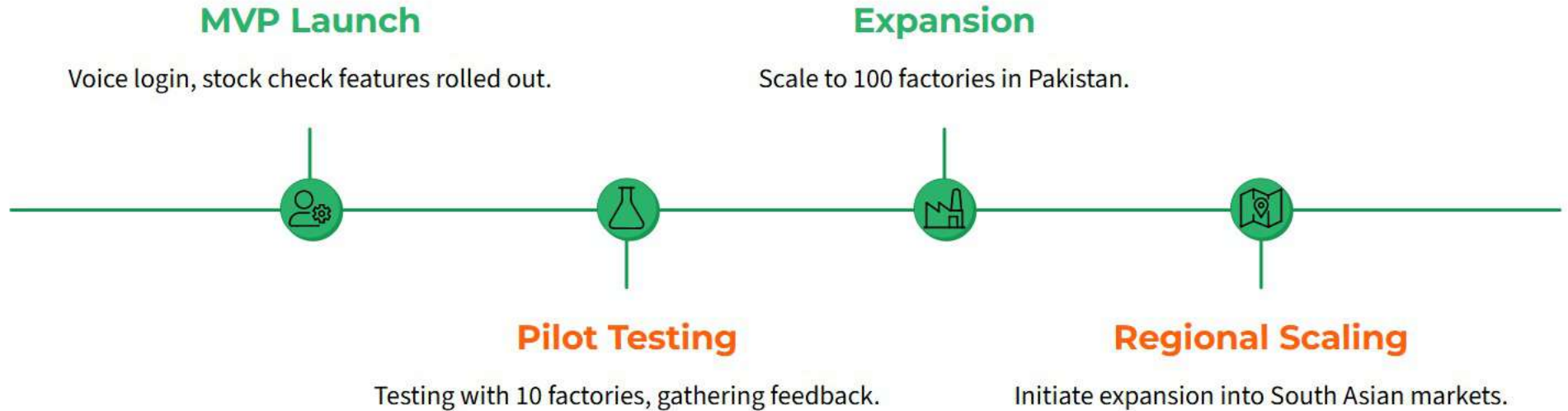
User adoption

Free trials + on-site training

Data security

End-to-end encryption +
local hosting

Implementation Roadmap



Our phased approach ensures robust development and testing before aggressive market expansion, leveraging early successes to fuel growth.

Live Demo



 manubotai.vercel.app



ManuBot – Voice-Activated Manufacturing ERP

Transform your factory with voice commands in Urdu and English. The most affordable ERP for Pakistani SME factories.

Thank you

Empowering factories to work smarter — not harder

Join us in building the future of manufacturing with **ManuBot**.

