



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 Pakistan's 30,000+ factories lose millions yearly due to outdated processes.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

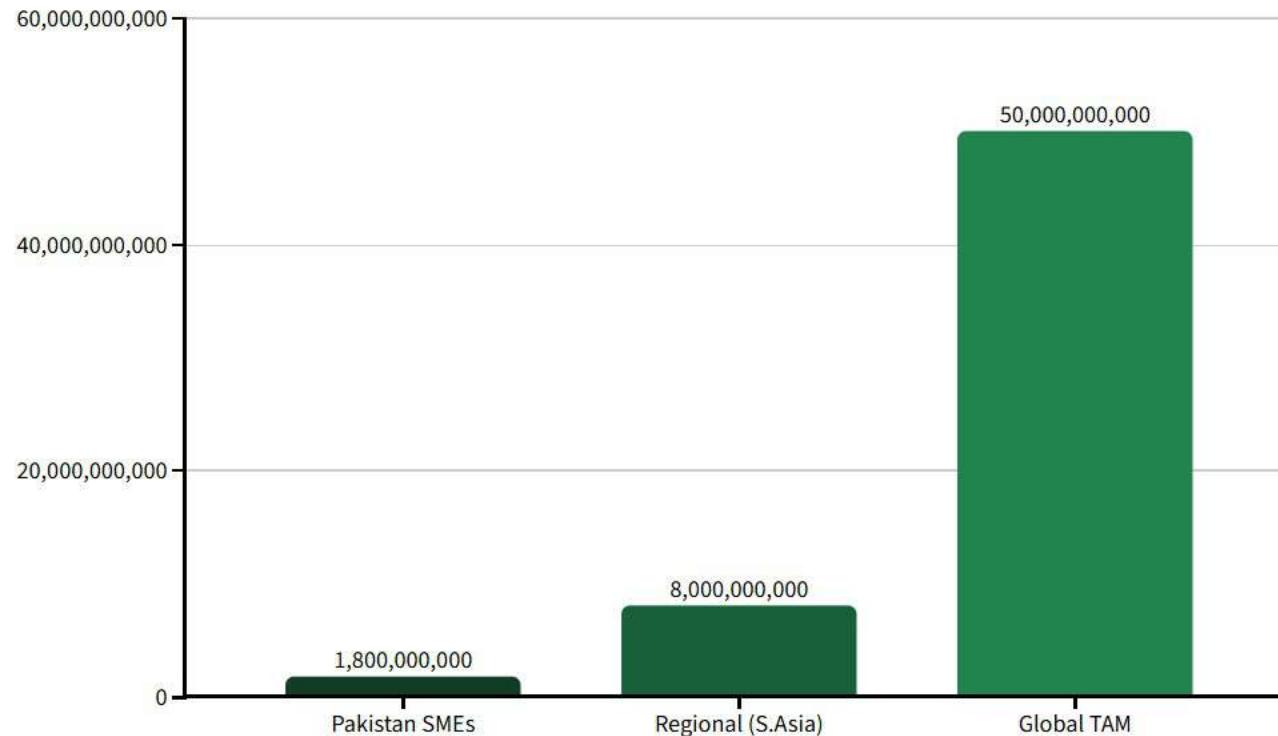
Backend: FastAPI, MongoDB Atlas, Redis, Supabase

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.

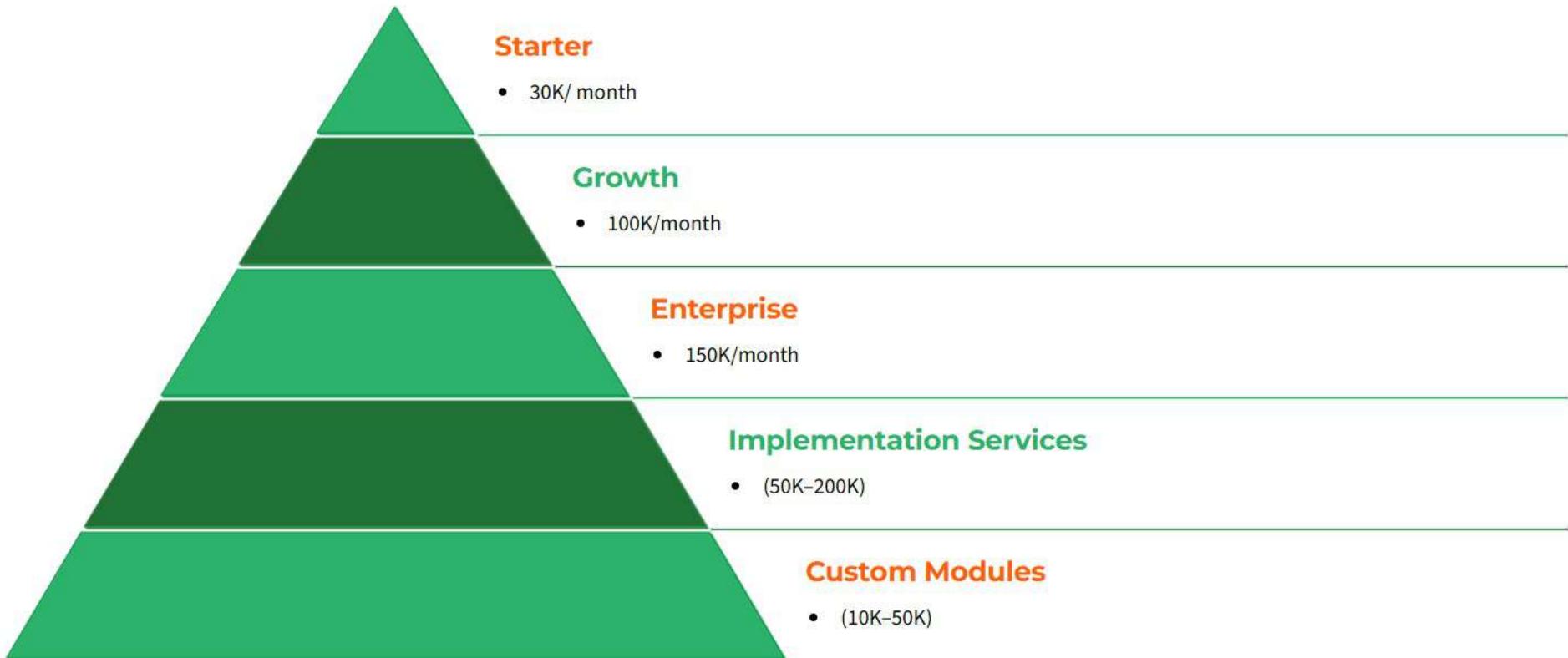
Competitive Edge

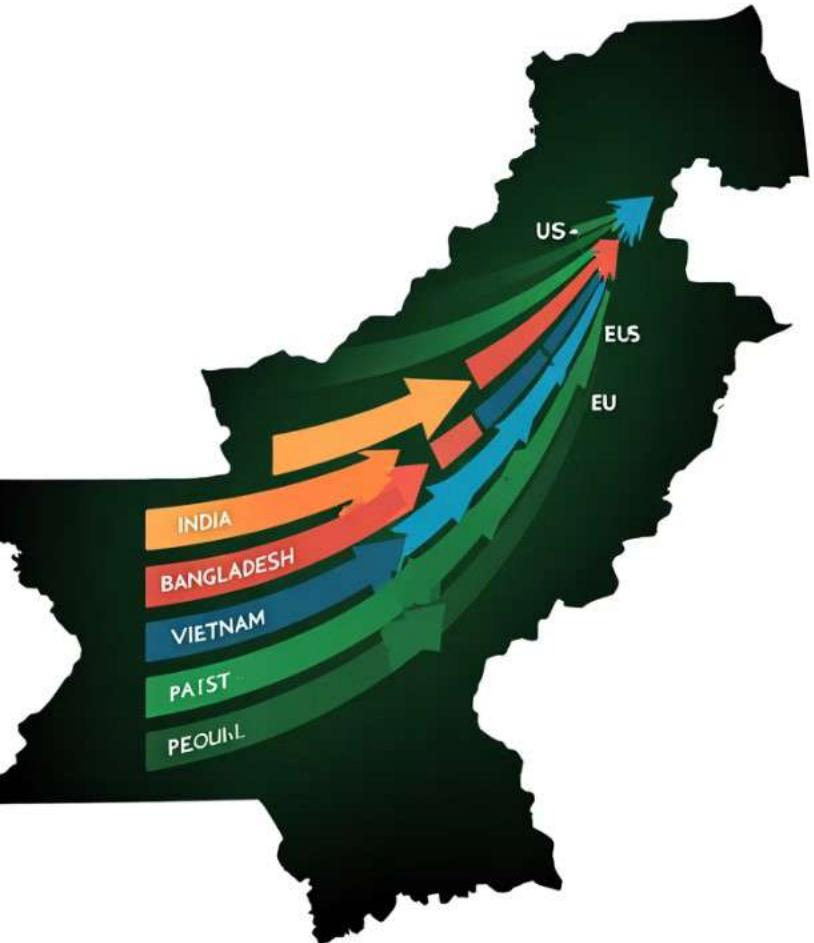
Product	Voice	Local Lang	SME Focus
SAP / Oracle	✗	✗	✗
Odoo / ERPNext	✗	✗	⚠
Excel	✗	✓	✗
ManuBot	✓	✓	✓

- 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.

Financial Projections

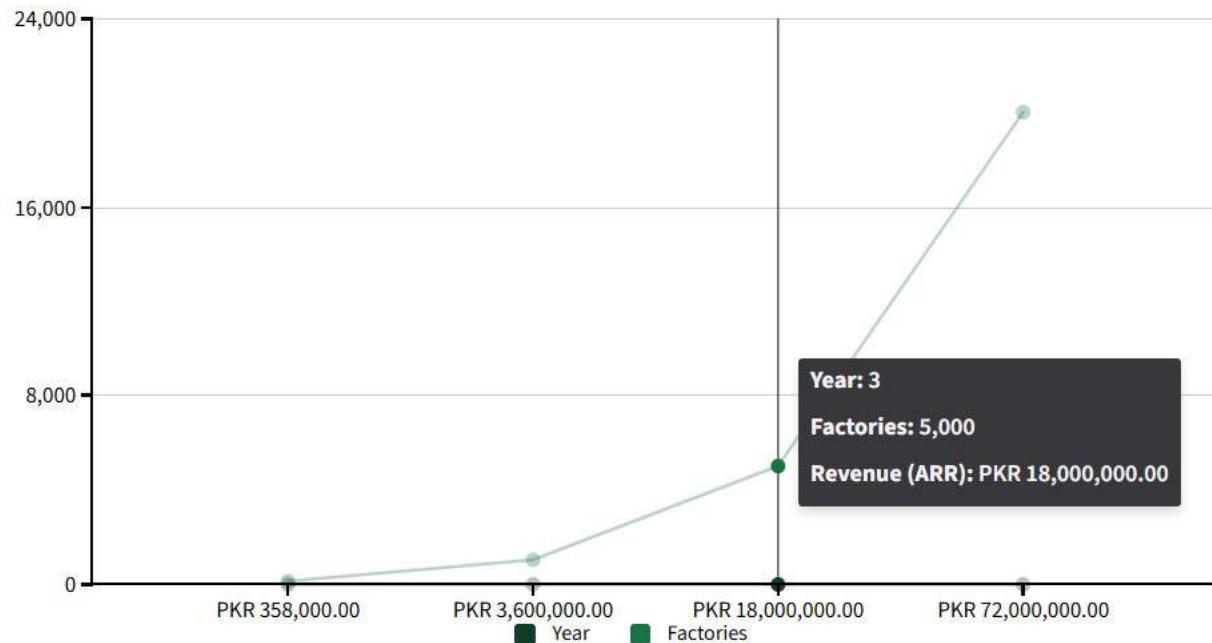
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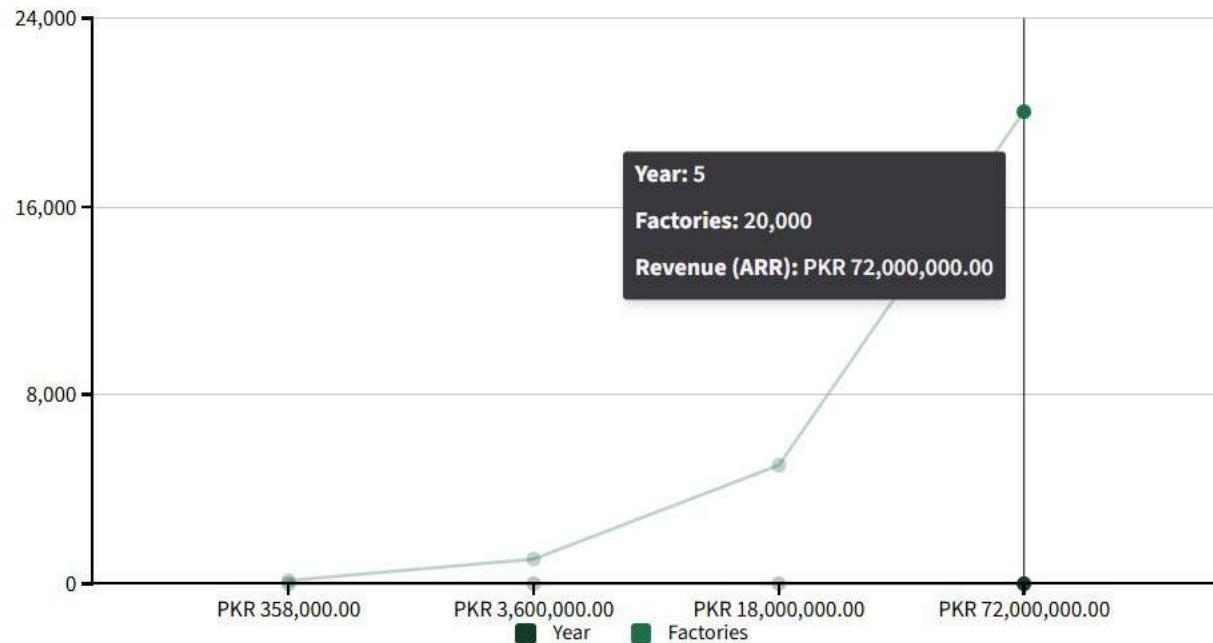
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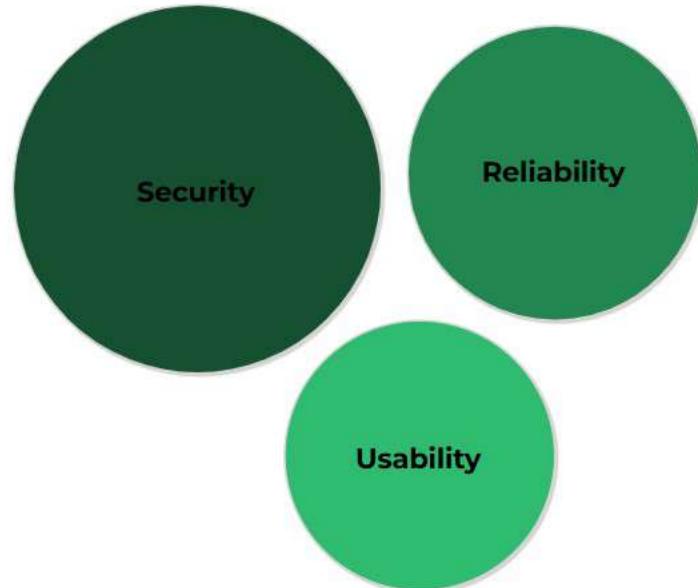
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Risk & Mitigation



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

MVP Launch

Voice login, stock check features rolled out.

Expansion

Scale to 100 factories in Pakistan.



Pilot Testing

Testing with 10 factories, gathering feedback.

Regional Scaling

Initiate expansion into South Asian markets.

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**.



ManuBot

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