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Private & Confidential

TECNOD8.AI

Full Stack GenAI co-pilot
to make Industrial Engineering as easy as DIY
and help Engineers be10x fast with 100x more context

Incubated @ IIT Mandi Catalyst & IIM Bangalore NSRCEL

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67% of all tasks will be done by machines+human by 2030 vs 52% in 2024 - WEF

but, Industrial Engineers spend 50% of their time
on repetitive, knowledge based soft tasks
and (/not) reading manuals for troubleshooting.
this leads to:

1

Industrial workforce constraint

2

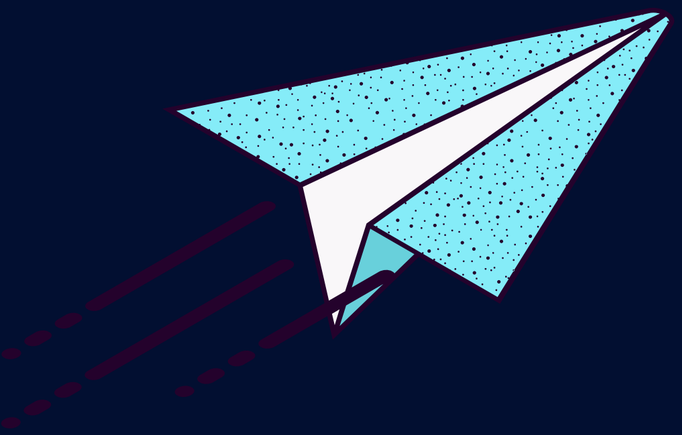
deep-tech knowledge constraint

3

manual work - time constraint

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GenAI Co-pilot for Industrial Enterprises



01

Tailor made Industrial LLM for Industrial Engineering based on our **customised dataset.**

02

AI Agents as domain experts

AI agents to automate Industrial Engineer’s tasks

03

Browser based Co-pilot

Automatic 3D model to LLM integration (Patent pending)

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10X FAST WITH 100X MORE CONTEXT

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Engineering
build 10X fast
- Conceptualise new solutions
- Generate PLC/ CNC Programs

→ Create new project architecture in **1 day vs 3 weeks**

Maintenance
troubleshoot 10x faster
- Troubleshooting Assistant
- Multi Lingual for ease

→ reduce knowledge based Downtime from **weeks to Hours**

Enterprises
Produce more
- Reduce Training cost
- Optimise workforce ROI

→ **Double ROI** vs traditional approach

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Tecnod8's Full Stack GenAI Co-pilot
WebApp - No installation required

Industrial LLM
LLM Trained on proprietary, 6 layered Industrial Deep-tech Dataset

Domain Expert AI Agents
For Engineering, Maintenance & Production teams

Voice Interaction
NLP to support people in their preferred Language



DIY Local SLM
Upload data in text, image, video format to train ‘their own’ SLM

Secure Local Deployment
On premise or VPC based deployment for data security and control

3D Model Integration
Modular intergation capability for 3D digital Twin Integration

Patent Pending # 202311029850

PILOTS : 3 USE CASES

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3D Models
for immersive experience

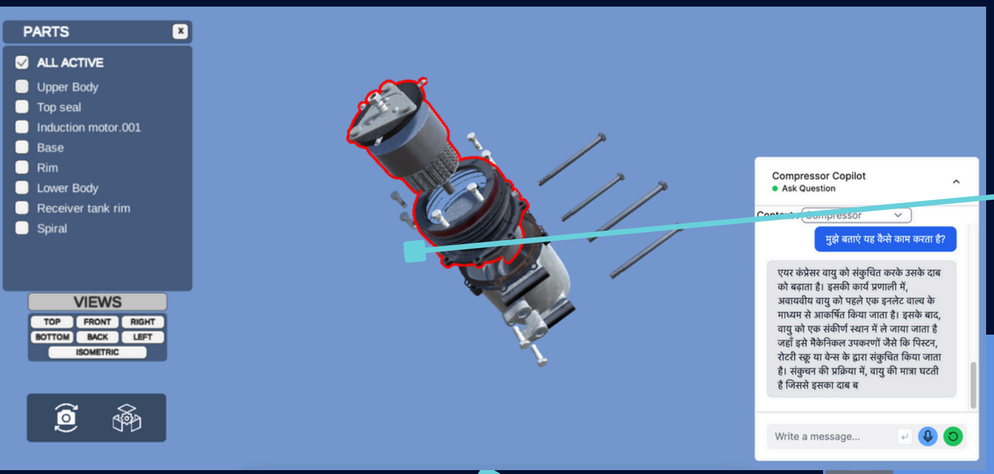
AI Agents for Process Design/
Programming/ Maintenance

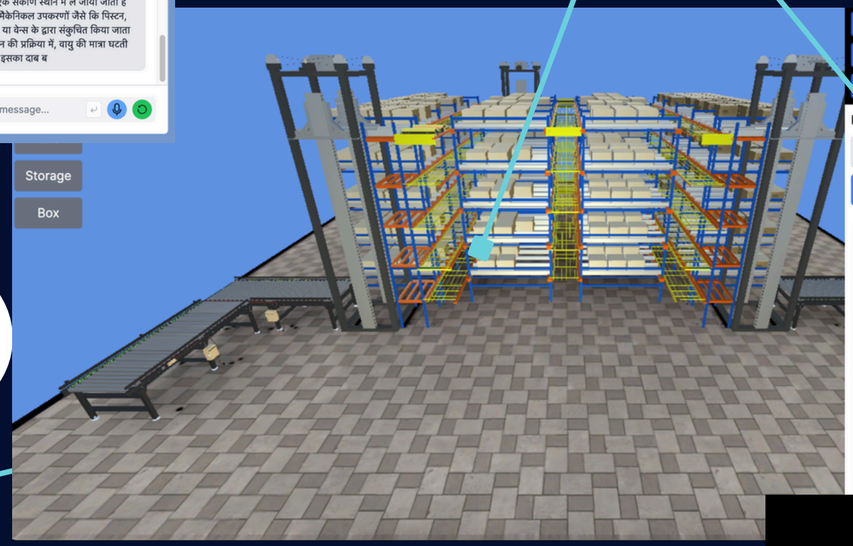
Voice Enabled,
multilingual
knowledge delivery

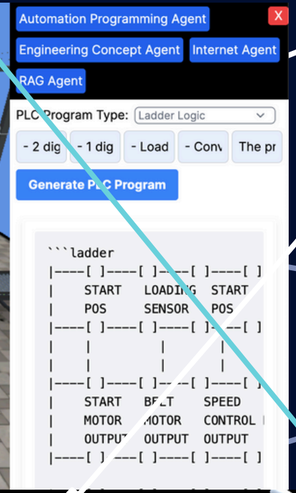
Indian Air Force
Maintenance copilot use case

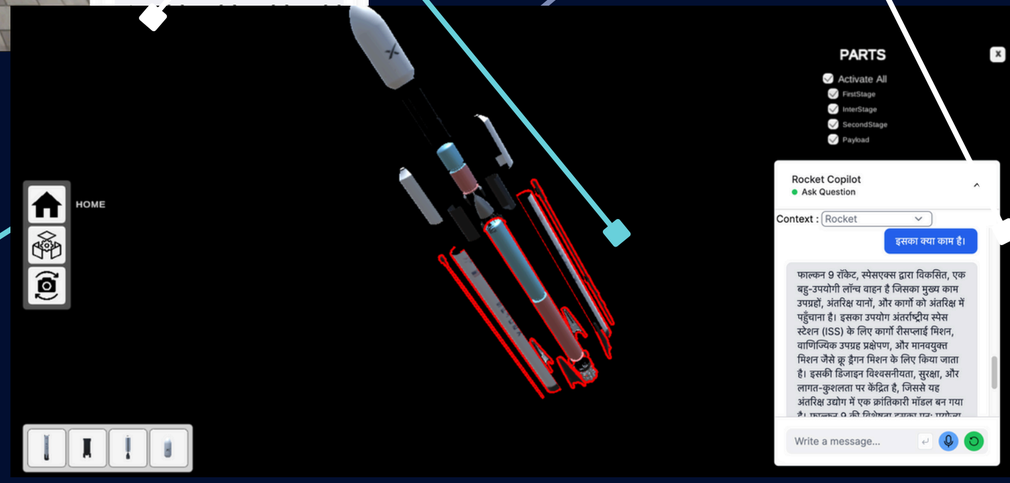
Japanese MNC
Automation use case

Govt of HP
Virtual Labs for Deep-tech
Education use case



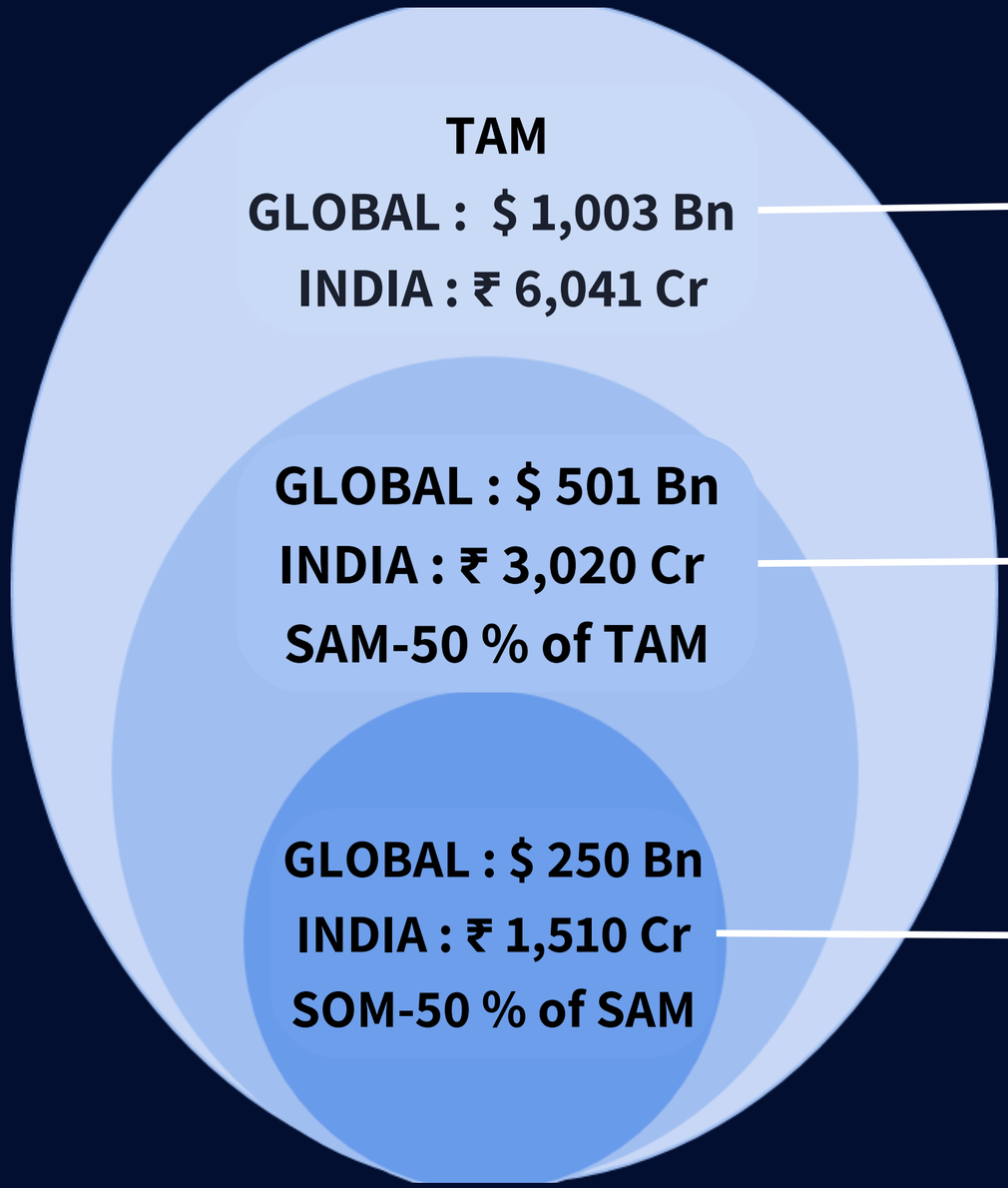






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AMOUNT BEING SPENT, ANNUALLY



Annual spend on ‘Engineering’ tasks
Assuming ~5 Engineers/ Org

Soft, Repetitive, Knowledge based tasks 50 %

Tasks which can be automated using GenAI

INDUSTRIAL LLMS/CO-PILOT LAUNCHED SO FAR:

with Machine First (IIoT) approach

1

Symphony AI
World's first Industrial LLM (Rotational Machines)
Nov 2023

2

Aramco Metabrain
World's Largest Industrial LLM (Oil & Gas)
March 2024

3

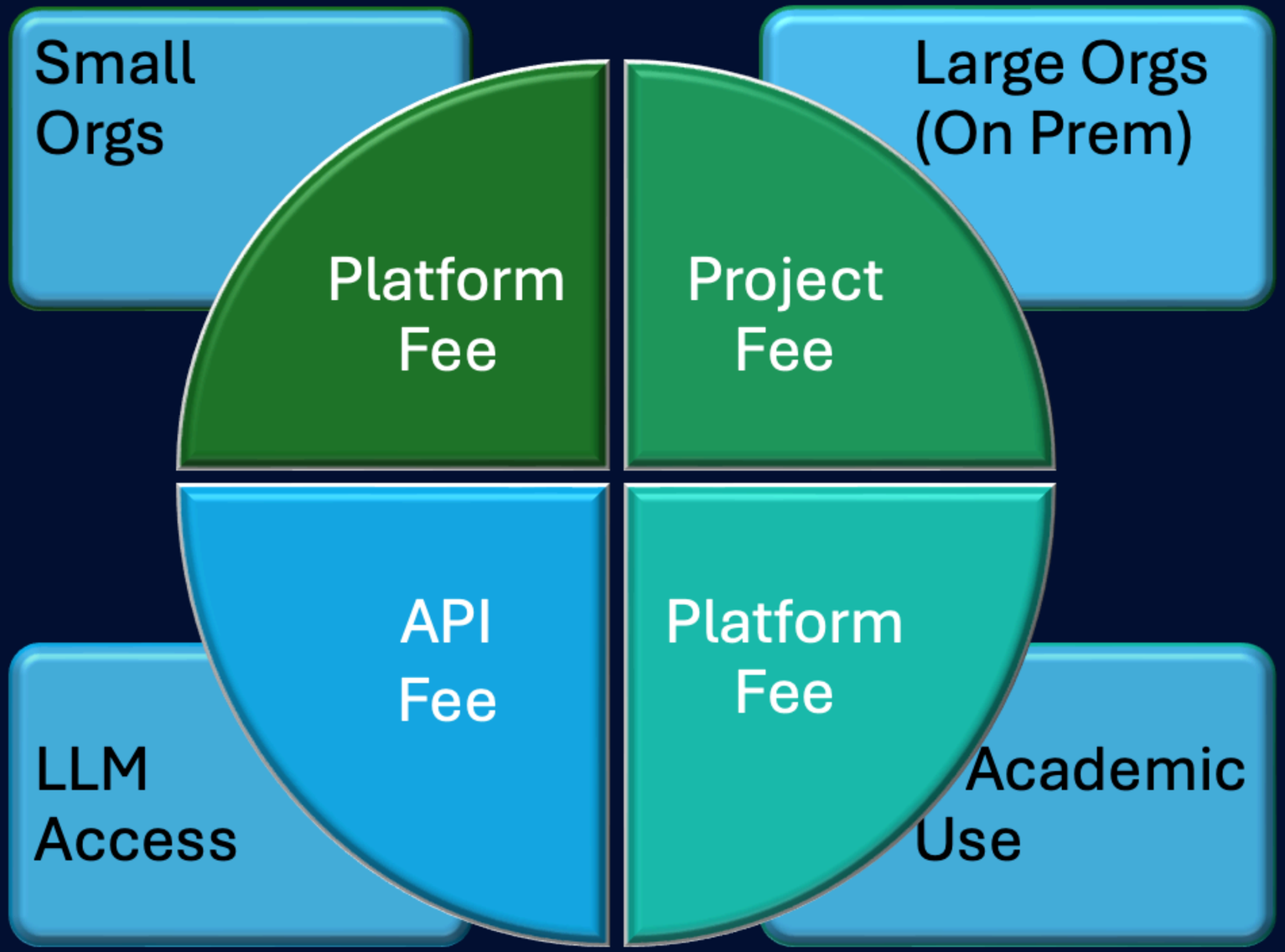
SIEMENS
Industrial Co-pilot for TIA portal
Nov 2024

Tecnod8.ai is building co-pilot with Human first approach

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REVENUE MODEL

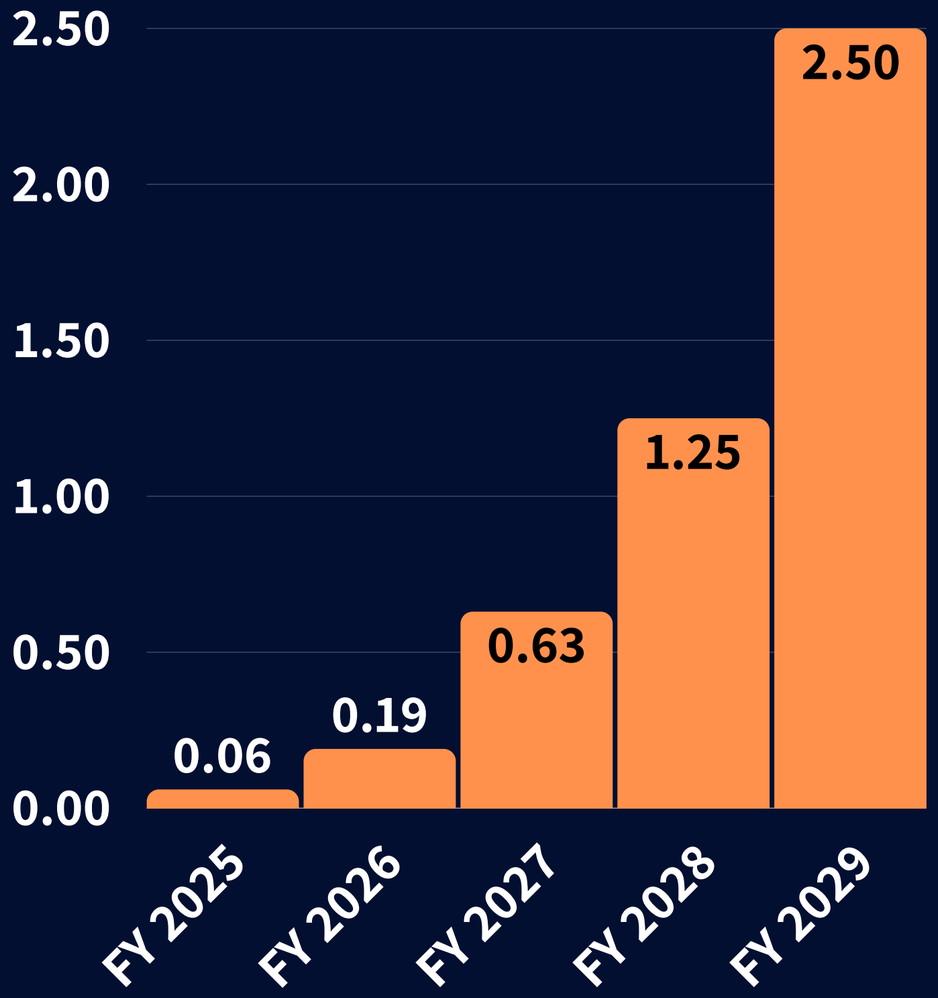
B2B



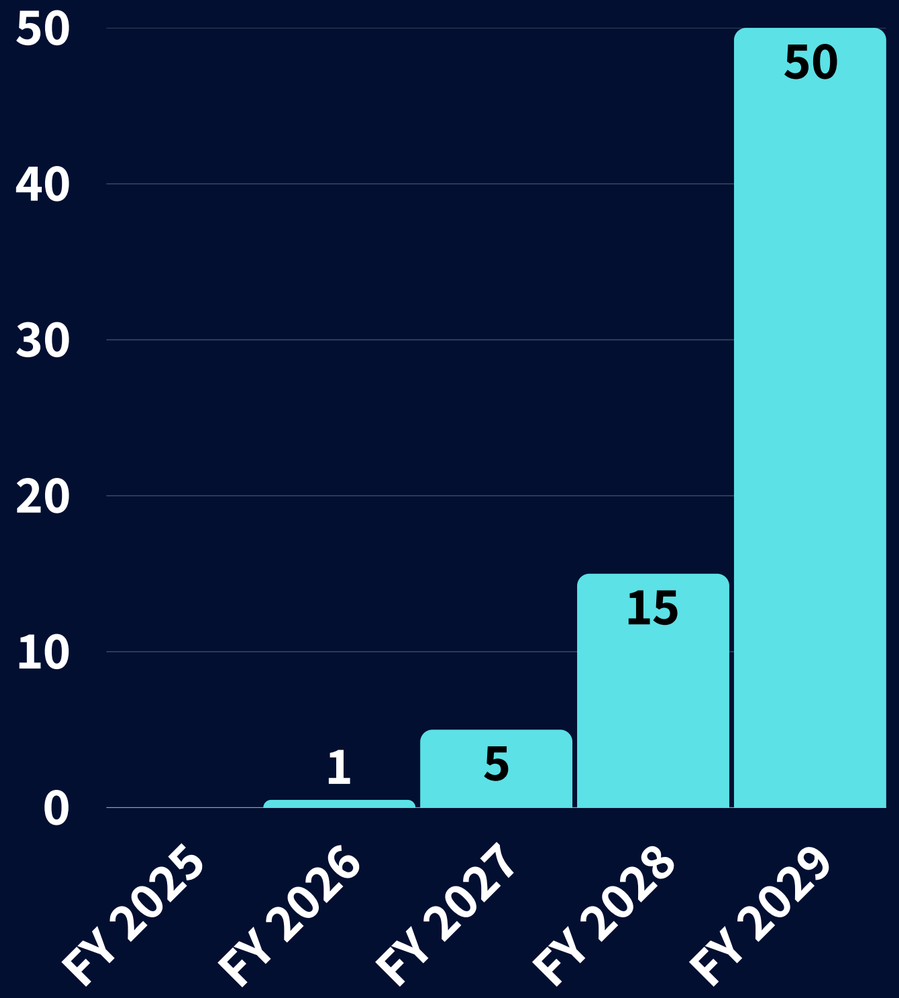
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5 YEARS ROADMAP

India Revenue in Mn USD



International Revenue in Mn USD



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CUSTOMER PIPELINE

1. Paid Pilot with **Indian Air Force - AFTC**
2. Paying customers for ‘Automation Talent’ services helping in building co-pilot MVP

Japanese MNC	**German MNC**	**German MNC**	**Swiss MNC**	**Indian MNC**
Robots and CNC Manufacturer	Automotive Line building business	Paper Mill Automation	Gear manufacturing Machines	Machine Tool Builder

Tecnod8.ai in 2024

Feb 2024
- Top 40 IPV Ideaschool batch 1

March 2024
- Tecnod8 Incorporated

March 2024
- Won Meity Tide 2.0 Grant

April 2024
- Won CPS Prayas Grant

Aug 2024
- POC ready
- Nvidia Inception

Sep 2024
- Selected for Nasscom GenAI Foundry
- IIM B NSRCEL Velocity

October 2024
- IAF AFTC Paid Pilot
- Selected for Michelin AI Demo Day Finals

Nov 2024
- Shortlisted for IDEX Indian Air Force. (In-process)
- Selected for IIT Startups C12

Dec 2024
- Selected for Maruti Suzuki Accelerator
- Shortlisted for Boeing BUILD (In process)

2025 Loading.....

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Team Tecnod8.ai

Founders



Ravinder Kumar
Founder & CEO
8 yrs @ world's #1 Robotics company
FANUC, 1 yr @ Orangewood (YCW18)
MBA, B.Sc.



Akshar Singh
CTO & AI Lead
B.Tech CS, TU Munich & IIT Mandi
European International ML Hackathon Winner

Founding Engineers



Naresh R
IIT Madras, BTech Mech
LLM Lead



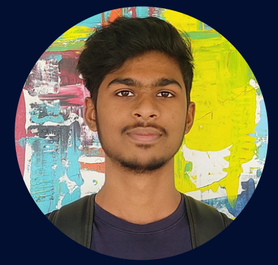
Akash Singh
IIT Delhi, MS (research) AI
GenAI Developer



Sandeep Sharma
IIT Kgpr, BTech Electronics
LLM Dev



Niyati Madaan
IIT Dhanbad, BTech Mech
Full Stack Dev



Rajat Kumar
IIT Indore, BTech Mech
XR Dev

Advisors



Air Vice Marshal PKH Sinha VSM (Retd)
Director IIT Mandi iHub & HCI Foundation
Ex-Commandant **Software Development Institute, Indian Air Force**



Dr Aditya Nigam
Chairperson School of Computing & Electrical Engineering, IIT Mandi.
Deep Learning Researcher

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FUNDING ASK

Seeking Investment: $500,000
for 18+6 months
for product development and achieve $ 1MM revenue

Expenditure Category	Allocated Budget (USD)
Product Development	250,000
Research and Development	50,000
Sales	80,000
Operational Costs	50,000
Legal and Compliance	20,000
Contingency Fund	50,000
Total Budget	500,000

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THANK YOU

supported by

Maruti Suzuki Accelerator
Nasscom GenAI Foundry
IIT Mandi Catalyst Meity Tide2.0
IIT Mandi iHub & HCI Foundation CPS Prayas
IIM Bangalore NSRCEL Velocity
IIT Startups Cohort 12
Nvidia Inception Program

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