



**Made in India, for
India & the world**
Post panel report



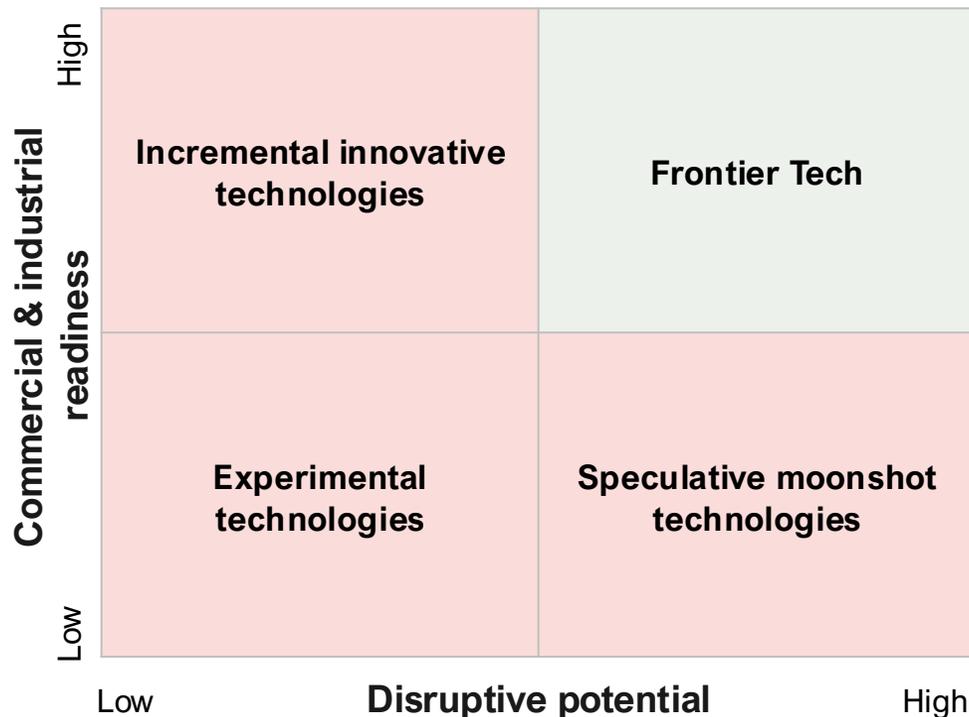


Frontier Tech: Next gen revolutionary tech, changes the way the world works



Frontier Tech has higher disruptive potential and is increasingly ready for commercial & industrial deployment

Examples of Frontier Tech



- Space tech
- Next-gen energy
- Cybersecurity
- IoT & Electronics
- Aerospace & Defense
- Industrial automation
- Data analytics & intelligence
- Agri-tech



Four underlying drivers are enabling Frontier Tech to scale

1	Talent, IP & R&D Infrastructure expansion		
	300+ <i>Specialized R&D labs fueling FT innovation</i>	100+ <i>FT startups incubated by IIT Madras during FY24-25</i>	INR 6K Cr <i>Allotment under National Quantum Mission to nurture QT ecosystem</i>
2	Market demand & enterprise pull		
	US\$ 7.8B <i>AI spend by Indian enterprises</i>	15-35% <i>OPEX reduction in manufacturing through Frontier Tech</i>	US\$ 1.3B <i>Raised by Indian FT startups in 2024, up 78% YoY</i>
3	Government-led funding push		
	INR 76K Cr <i>SEMICON India Programme to boost chips & display mnfg.</i>	INR 10K Cr <i>Deeptech Fund of Funds in Union Budget 2025</i>	INR 1,200 Cr+ <i>Allocated across MeitY, DST, ISRO, DRDO</i>
4	Sovereignty & national security imperatives		
	INR 1.64L Cr <i>Defense capital outlay (2025), highest ever for indigenization</i>	75% <i>Of defense R&D procurement earmarked for domestic players</i>	INR 750 Cr <i>ADITI fund to develop ~30 critical techs by 2026</i>

Note(s): QT: Quantum Technology, FT: Frontier Technology
Source(s): Indiaai.gov.in, Startup INDIAX, PIB, Economic Times, Inc42, Praxis analysis

NVIDIA, Qualcomm Ventures join India Deep Tech Alliance as coalition secures \$850 million in fresh commitments

Pixxel raises \$24M in additional funding, taking its total Series B raise to \$60M

December 9, 2024

India leads electric 3-wheeler market globally

Deeptech to account for up to one-third of VC funding in India: Accel's Prashanth Prakash

ETech - Last Updated: Nov 18, 2025, 08:53:43 PM IST



Chennai space startup Agnikul Cosmos successfully launches Agnibaan rocket with 3D-printed engine, ISRO hails 'milestone'

India's Deeptech Market to Hit \$30 Bn by 2030 Amid Defence Push & Global Robotics Boom

QpiAI raises \$32 million led by Avataar, NQM

Shilpa Phadnis / Updated: Jul 17, 2025, 11:28 IST

Karnataka government joins hands with VC firms to create Rs 1,000 crore Deep Tech, AI fund

These drivers are catalyzing a vibrant ecosystem of Frontier Tech enterprises across sectors



Non-exhaustive

Spacetech



Next-Gen energy



Cybersecurity & Quantum Computing



IoT & Electronics solutions



Aerospace & Defense



Industrial automation



Data analytics & intelligence

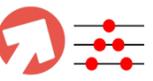


Agri Tech



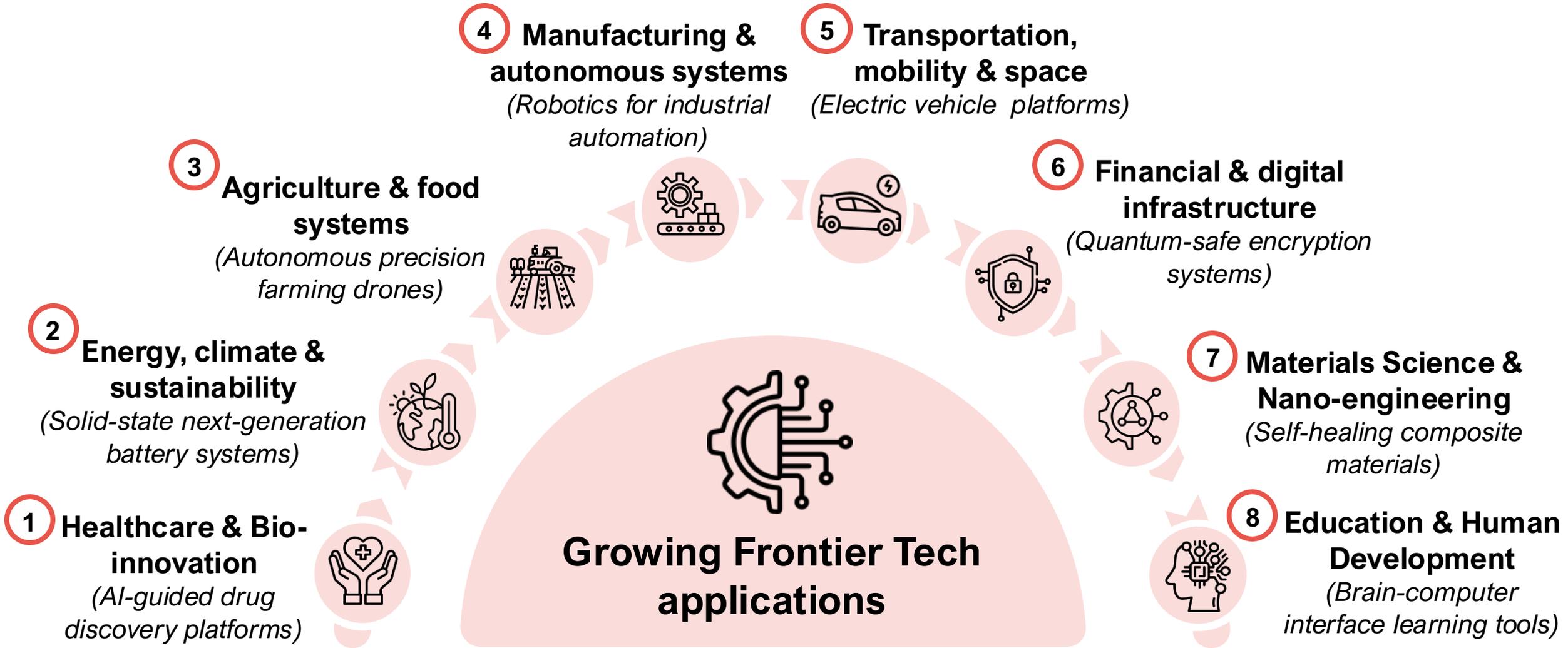
Note(s): IoT-Internet of Things

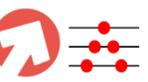
Source(s): Industry reports, Nasscom, STPI, Praxis analysis



Together, these developments are unlocking high-value Frontier Tech applications

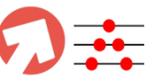
Illustrative



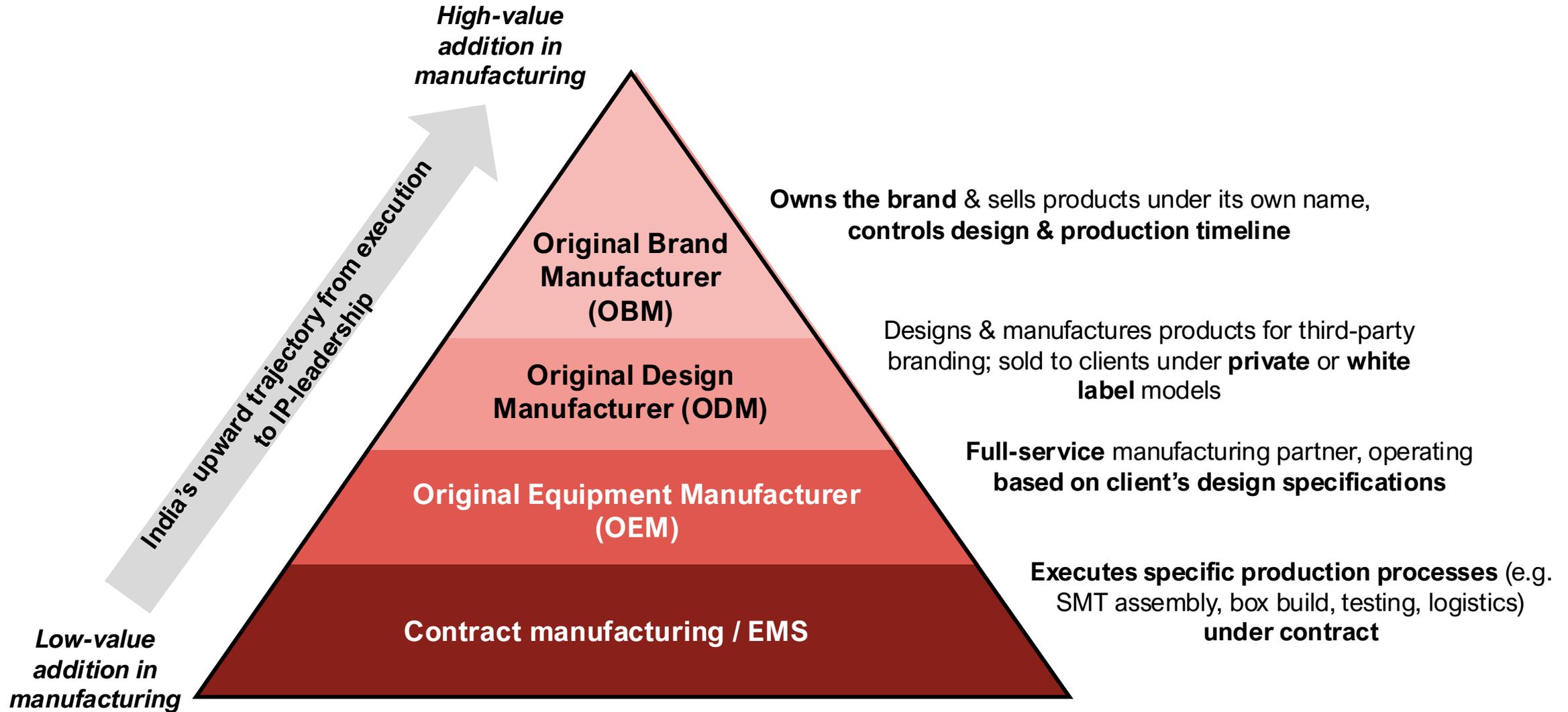


Key takeaways

- 1 India's frontier-tech shift from execution to IP leadership**
 - India is moving up the deep-tech pyramid, from large-scale manufacturing and supply-chain execution to design, core R&D and intellectual property ownership
 - Sectors like quantum security, EV charging, defence tech and smart hardware illustrate India's transition from a services exporter to a global product and IP exporter
- 2 Beyond software to complete tech solutions**
 - India is evolving from a software powerhouse to a full-stack systems innovator, integrating hardware, firmware and cloud analytics
 - Globally competitive solutions now span secure communication, EV charging and advanced surveillance systems
- 3 EV and energy digitalization could be India's next UPI moment**
 - Unified Energy Interface (UEI), built by the minds behind UPI, could enable energy-as-a-service platforms, digital grid balancing and innovative pricing & settlement models
 - EV charging emerges as India's first large-scale digital energy asset, unlocking new monetization opportunities
- 4 EV infrastructure is becoming “verticalized technology stack,” not just chargers**
 - Charging is no longer just hardware. It includes firmware architecture, payment integration, uptime analytics, grid optimisation and interoperability
 - This creates long-term recurring revenue and increases IP ownership
- 5 Selective indigenization is the smarter frontier-tech strategy**
 - Localizing only critical, high-value, or supply-risk components, while sourcing commodity parts globally to optimize costs and scale
 - This hybrid approach ensures resilience for core technology without inflating costs, securing competitiveness and supply-chain security



① India's frontier-tech shift from execution to IP leadership



Note(s): EMS: Electronics Manufacturing Services

Source(s): Niti Aayog Report: Powering India's Participation in Global Value Chains, Company DHRPs, Praxis analysis



2 Beyond software to complete tech solutions

India has evolved from a software services provider to full-stack system innovator

Global full-stack system innovators compete across secure communication, EV charging, and advanced surveillance

(1995-2008)

Software outsourcing

IT services, application development, global delivery

(2006-2012)

Embedded & firmware capabilities

Telecom, automotive embedded software, firmware engineering

(2013-2016)

Digital + cloud adoption

Enterprise cloud, mobility, early IoT platforms

(2017-2020)

Hardware + IoT + local manufacturing

Electronics manufacturing, connected devices, gateways

(2020-present)

Full-stack systems innovator

Secure communication, EV charging, Advanced surveillance systems

Secure communication & cybersecurity



EV charging, energy infra, & edge IoT



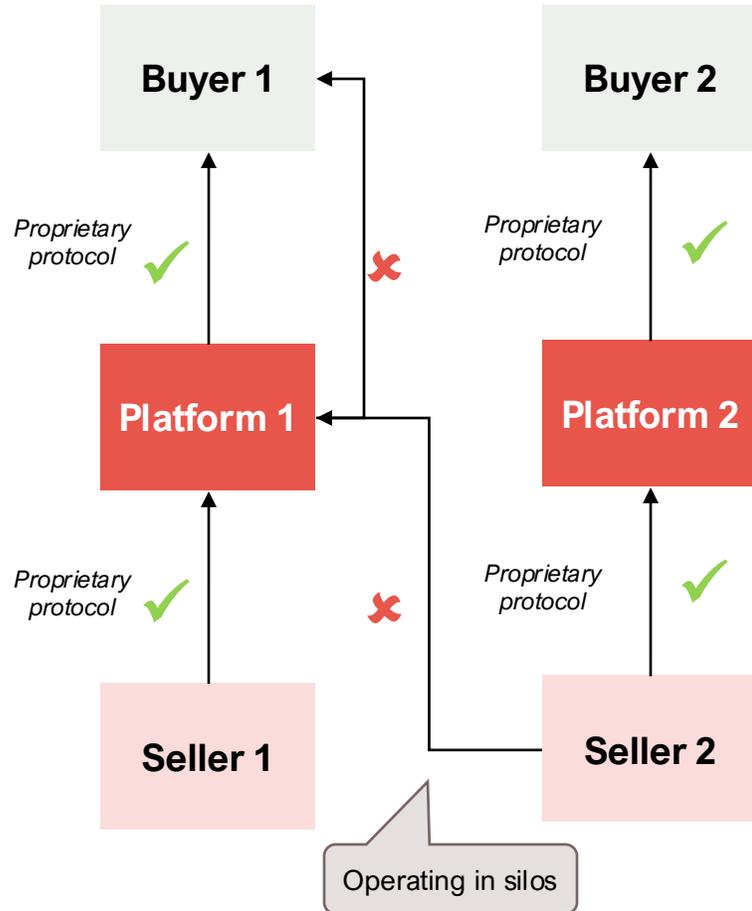
Advanced surveillance, vision systems & edge AI



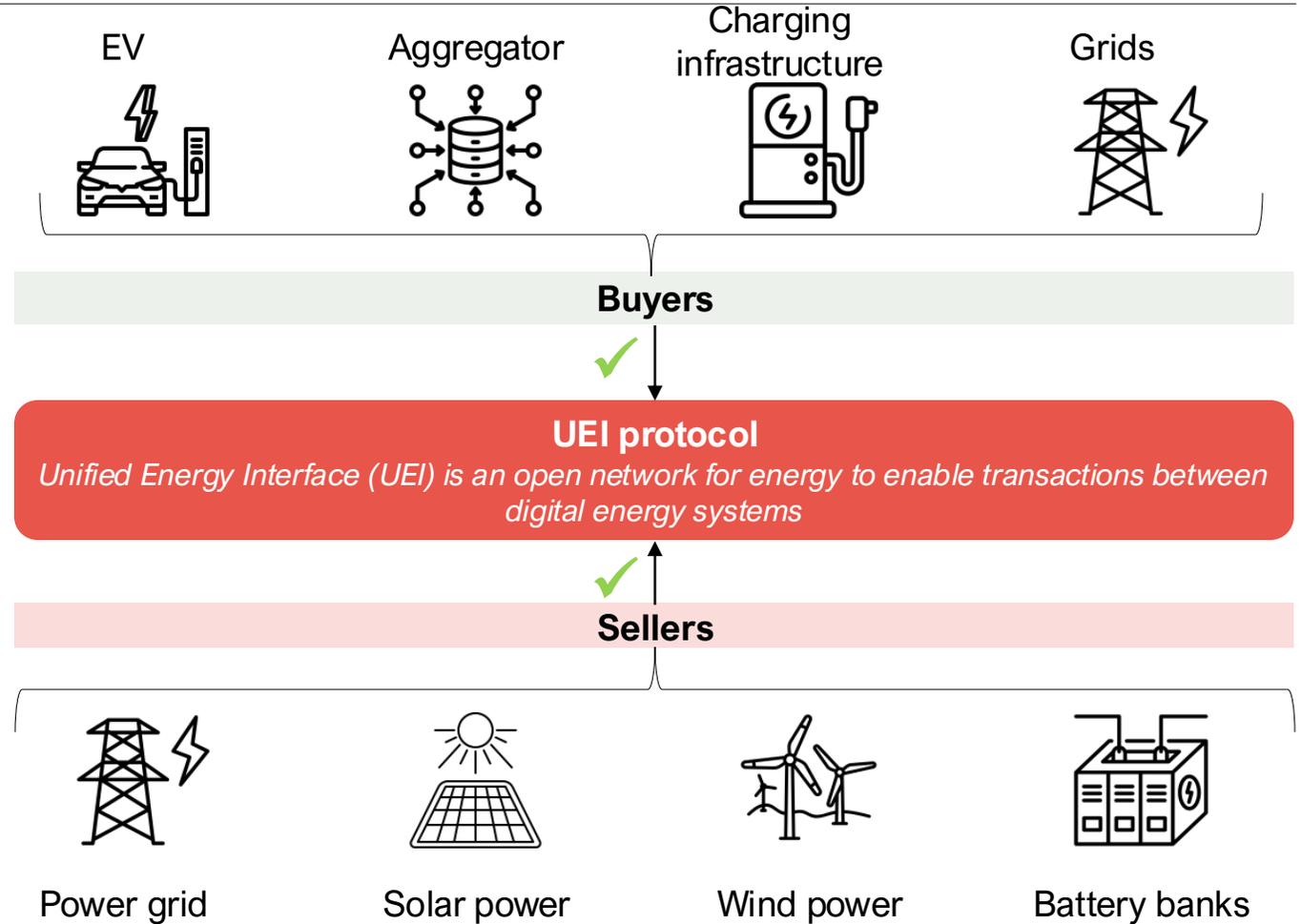


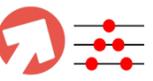
③ EV and energy digitalization could be India's next UPI moment

Closed platform centric e-marketplace



India is moving from closed platforms to large-scale EV and energy digital ecosystems by adopting UEI that is like UPI for energy systems



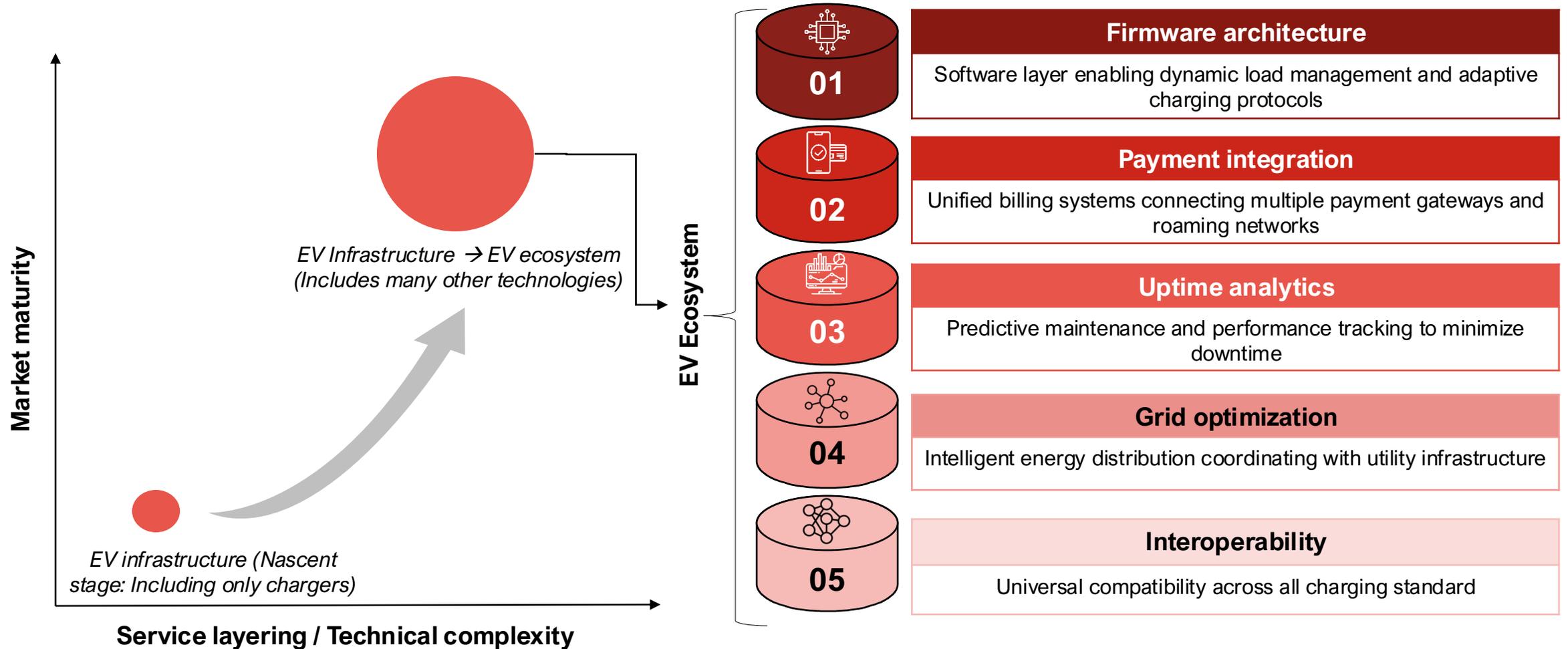


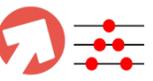
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EV infrastructure is becoming “verticalized technology stack,” not just chargers

India is moving beyond EV infrastructure to a full EV ecosystem powered by multiple technologies

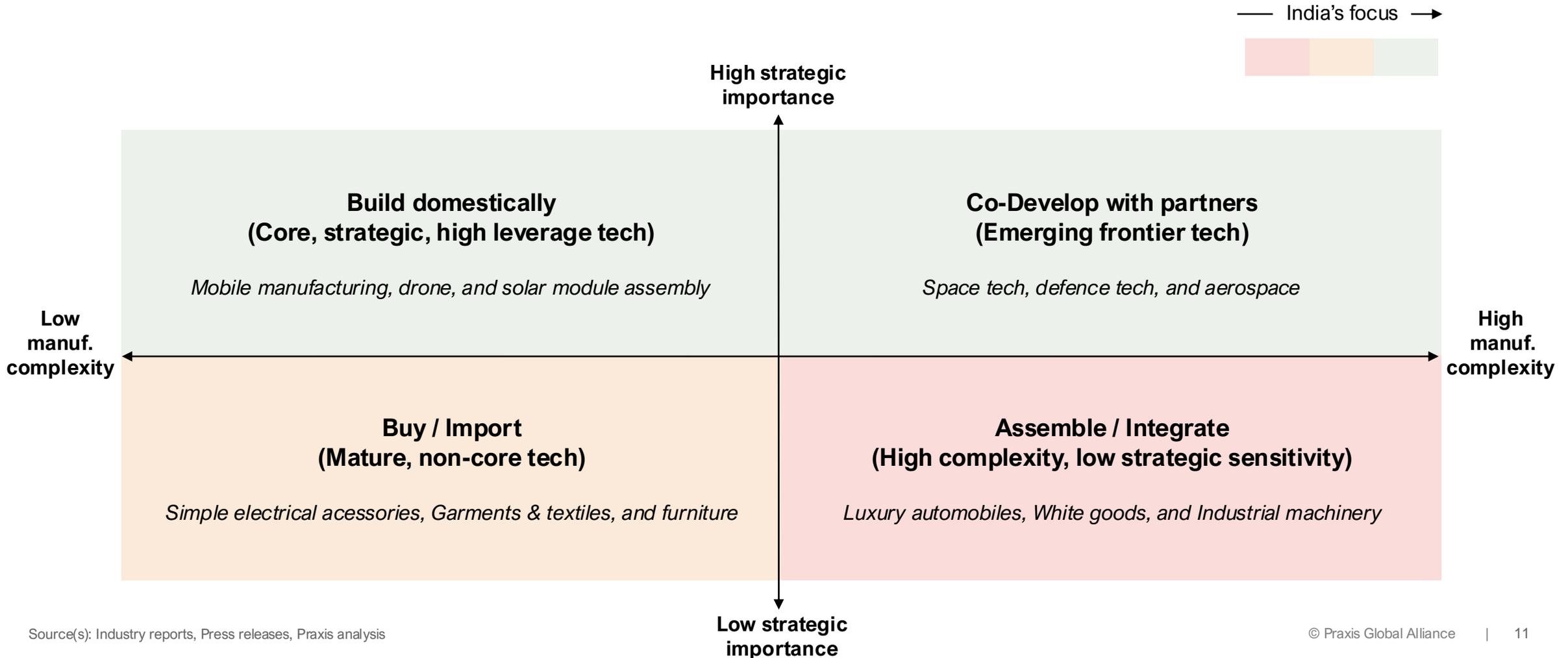
EV ecosystem spans technologies like firmware architecture, payment integration, uptime analytics, grid optimization, and interoperability





5 Selective indigenization is smarter frontier-tech strategy

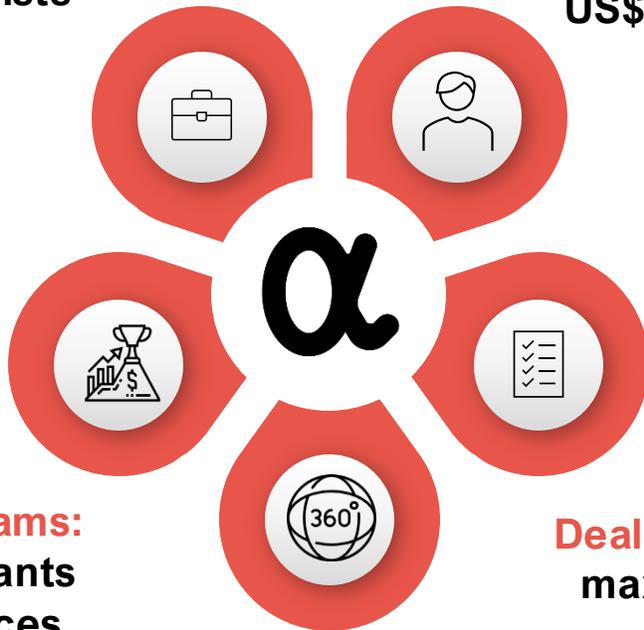
Strategically localize high-value and high-risk components, and globally source the rest to balance cost, resilience, and scale



Praxis: Leading management consulting firm helping financial sponsors maximize IRR and manage risk

We help generate 'Alpha'

Sector specialists, not generalists



Deal experience:
1,500+ deals,
US\$ 65B worth

PE-trained teams:
150+ consultants
across 4 offices

Deal to Exit: IRR
maximization

Data advantage: 'On
ground' research

The Praxis Edge

Investor mindset...

...with Operator
eyes



**Analytical
Rigor**

What we do

Pre-deal: Sector
scans

Deal: CDD / ODD /
Tech / IDD

Exit: VDD, IPO
readiness

Alpha Generator™: Portfolio value creation

Fund strategy and administration

Overview of our New Age Industrial practice at Praxis Global Alliance

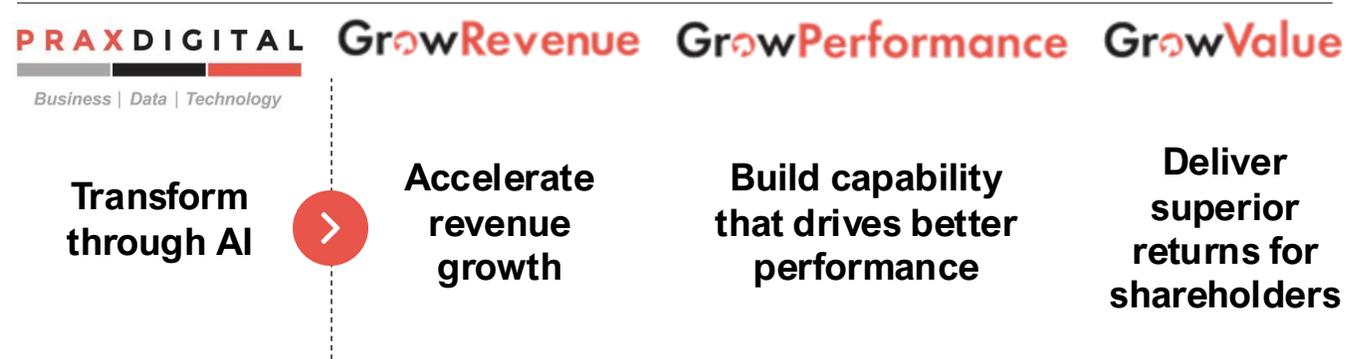


15+
Deals



US\$ 200M+
Capital raised

How we work with New Age Industrial companies...



Industries we work in...

ODM & EMS	Advanced manufacturing	Packaging
Engineering & construction	Chemicals	Logistics

How we work with New Age Industrial investors...

Fund strategy	Commercial Due Diligence (CDD)	Post acquisition value creation
Vendor Due Diligence (VDD)	<ul style="list-style-type: none"> Market growth sustainability Competitive defensibility Voice of stakeholders (OEMs, distributors, exporters, etc.) Business model evaluation Unit economics & sustainability in cashflows 	<ul style="list-style-type: none"> 100 day plan Revenue expansion (new market, cross sell) Inorganic growth Margin expansion



THANK YOU

#BuildTogetherWinTogether