

## INDUSTRY INSIGHT: INDIA 2025

### *Driving the Next Decade of Innovation, Resilience & Growth*

by **Professor Rajib Chandra Kumar**

***“As we enter 2025, India’s industrial landscape stands on the cusp of a new era. Fueled by policy reforms, global partnerships, digital transformation, and a renewed push for self-reliance, the Indian economy is rapidly evolving into a robust, innovation-led industrial hub.”***

#### ***Manufacturing Renaissance: Powered by ‘Make in India 2.0’***

India’s manufacturing ecosystem is undergoing a massive transformation. The Production-Linked Incentive (PLI) schemes have shifted the needle from low-value assembly to high-tech manufacturing in electronics, semiconductors, aerospace, and renewable energy. Global giants like Apple, Tata, and Foxconn are setting up advanced facilities, signaling a tectonic shift in supply chain preferences toward India.

#### ***What’s new in 2025***

- India’s semiconductor mission is operational, with domestic chip assembly in progress.
- Auto and EV manufacturing clusters in Tamil Nadu, Maharashtra, and Gujarat are now fully integrated with export corridors.
- Defence and aerospace are seeing increased FDI under liberalized licensing regimes.

#### ***Digital Infrastructure & AI Adoption***

India’s digital public infrastructure—built on platforms like Aadhaar, UPI, and ONDC—has become a case study globally. In 2025, the integration of artificial intelligence, 5G, and blockchain is reshaping how businesses operate and how services are delivered.

#### ***Key trends:***

- SMEs are adopting AI for predictive maintenance, customer insights, and logistics optimization.
- Industry 4.0 is being implemented across textile, pharma, and food processing sectors.
- ONDC( Open Network for Digital Commerce) is revolutionizing MSME access to digital markets.

#### ***Sustainability at the Core***

Environmental stewardship is no longer optional—it is now central to industrial planning. India is leading Asia in green hydrogen pilots, circular economy policies, and clean energy targets. Solar, wind, and hybrid energy solutions are powering industrial parks.

#### ***2025 milestones***

- Major ports and SEZs are switching to green logistics.
- Corporate ESG compliance is enforced through new sustainability audits.
- Carbon credits trading framework is being piloted for industrial firms.

#### ***Global Trade Realignments and Strategic Agreements***



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India's FTAs with the UK, Australia, and the UAE are reshaping its global value chain position. SCRI (Supply Chain Resilience Initiative) with Japan and Australia strengthens India's case as a diversified alternative to China in critical manufacturing.

### ***Recent Wins***

- India-UK FTA eliminating tariffs on over 99% of exports.
- U.S.–India talks opening up for high-end electronics, drones, and critical minerals.

### ***Talent, Skilling & Workforce of the Future***

With a demographic dividend and National Skill Development Mission in full swing, India's workforce in 2025 is younger, digitally literate, and globally competitive.

Initiatives include:

- **Skill India Digital:** Gamified upskilling for Tier 2 and Tier 3 cities.
- AICTE-backed dual-degree programs for industry-academia alignment.
- Corporate-university partnerships for green skills and industry certifications.

### ***Looking Ahead***

India's industrial journey in 2025 is being shaped by ambition, resilience, and clarity of vision. The convergence of policy reforms, global alliances, and homegrown innovation places India on track to become one of the world's top 3 manufacturing ecosystems by the end of the decade.

Whether you are a policymaker, business leader, educator, or investor—India 2025 is not just a destination, but a movement.



*Empowering Tomorrow's Growth*



***“Innovation is the engine that drives resilience, and resilience is the foundation of growth.”***