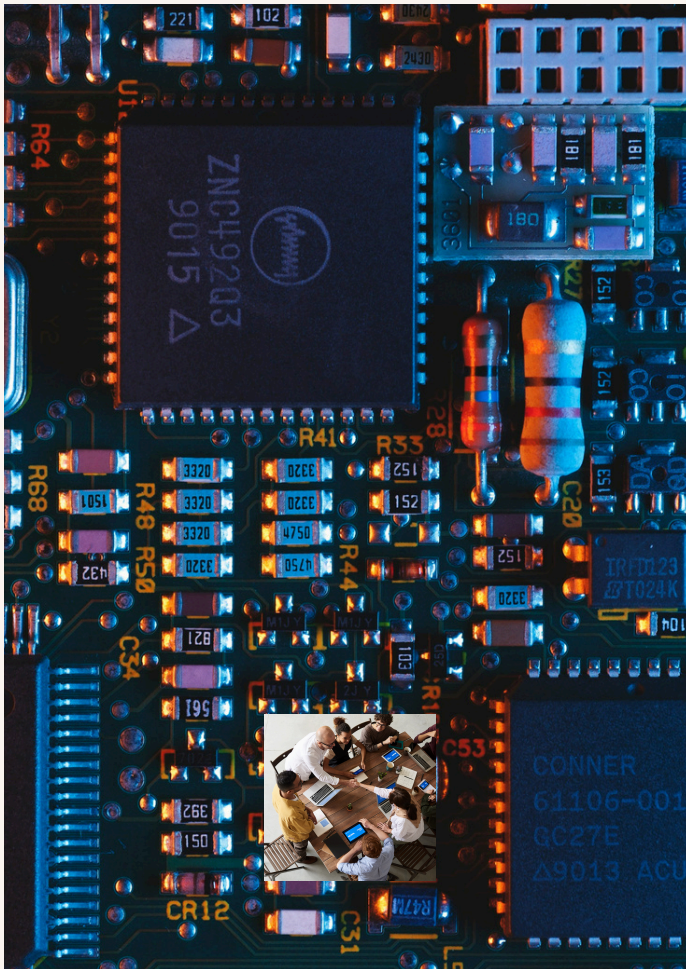


PCB



Problem

India's fast-growing electronics sector depends heavily on imported PCBs.

- Domestic production meets only 35–40% of total demand.
- Bareboard PCBs alone are a \$1.2 billion market with only 30% local capacity.
- This results in a \$950 million annual demand–supply gap.

Solution

Set up an advanced PCB manufacturing facility to:

- Localize high-value multilayer, HDI, and flexible PCB production.
- Integrate raw material sourcing (copper-clad laminates) for cost advantage.
- Leverage policy incentives like PLI/ECMS and anti-dumping duties for margin boost.

Market Size

- India's PCB market is \$4.5 billion today, expected to reach \$11.8 billion by 2028 and \$20 billion by 2032 (18–28% CAGR).
- Demand driven by consumer electronics, EVs, telecom (5G), IoT, medical, and defense.
- 24% of current domestic production is already exported

Competition

- India has limited high-end PCB manufacturing players.
- Imports dominate, mainly from China and Hong Kong — now impacted by a 30% anti-dumping duty, giving local players an edge.
- Strong opportunity to build capacity and technology leadership.

Strategy and Partners

- Partner with global PCB specialists for technology transfer and raw material support.
- Target high-margin segments: multilayer, HDI, flexible PCBs.
- Fast-track plant setup and scale with PLI/ECMS benefits.

Investment Profile

- Required investment: ₹50 crore (~\$6 million) over 5 years.
- Eligible for government incentives and duty protection.
- Expected to achieve profitable scale with strong domestic and export demand.