

Technosphere Engineering Pvt Ltd

“Driven by Innovation. Defined by Quality.”

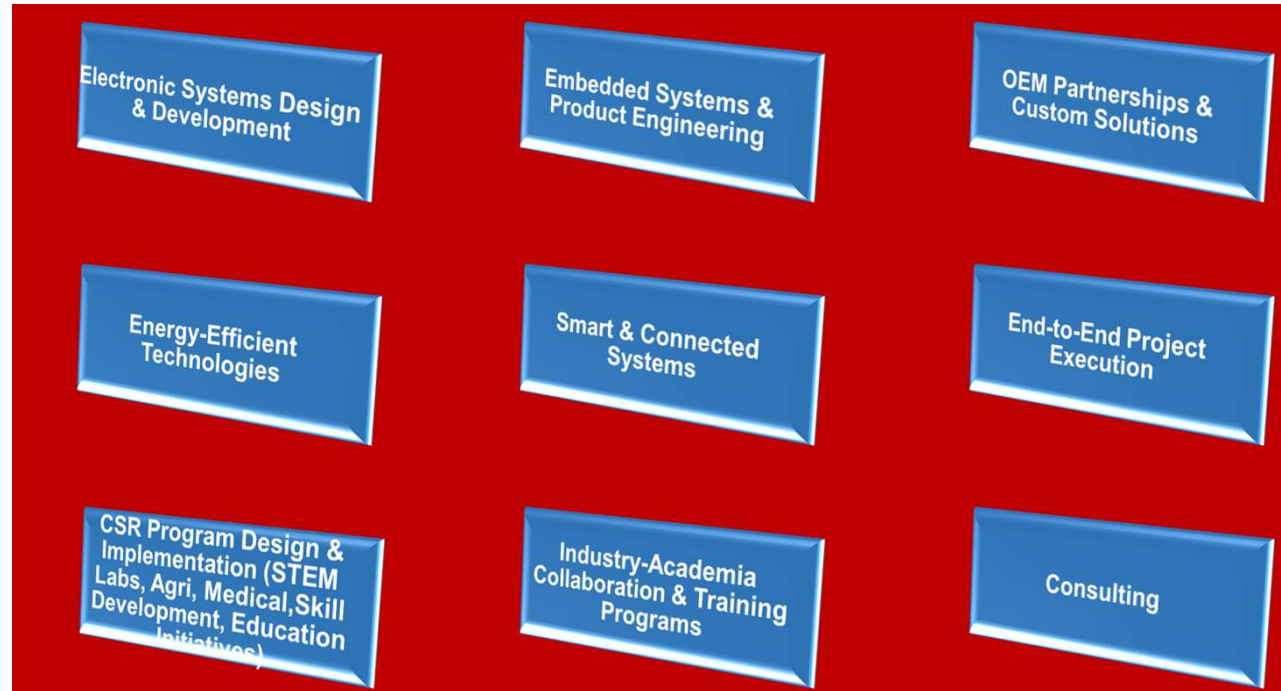


TEPL - Company and Business Introduction

Technosphere Engineering Private Limited | Innovative Electronics Systems & Smart Engineering Solutions



Business Verticals & Core Offerings



Technosphere Engineering operates across diverse high-growth sectors, combining technology, manufacturing, sustainability, and social impact to deliver scalable and innovative solutions.

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Our Strengths

- ❑ Diversified Business Model across OEM, Energy, CSR, IoT, Drones, and EXIM
- ❑ Strong in-house design & manufacturing capabilities (SMT + THT + Testing)
- ❑ Established client base (100+ customers) with recurring orders
- ❑ Zero financial liabilities with disciplined financial management
- ❑ Certified organization (ISO, ZED Gold, GeM, MSME, NSIC, NISE, Tax Exemption, Startup recognition, Last 3yrs IT returns)
- ❑ End-to-end capability (Design → Manufacturing → Deployment → CSR execution)

End-to-end capabilities

High quality & reliability

- ❑ Growing CSR execution capability (high-margin and scalable segment)
- ❑ Existing infrastructure (15,000 sq ft) enabling scale without heavy capex
- ❑ Multi-domain expertise across emerging and core industries
- ❑ Strong focus on innovation, quality, and reliability
- ❑ Strategic partnerships with OEMs and technology providers
- ❑ Proven capability in CSR project execution and training programs
- ❑ Scalable solutions tailored to customer needs
- ❑ Capability to deliver from concept to deployment

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Strong partnerships

Scalable solutions

Why Choose Us

OPPURTUNITIES & Target Market

Target Market Segmentation



Segment	Revenue Potential	Nature
OEM & Industrial	High	Recurring
CSR & Education	Very High	Project-based
Government	High	Large-scale
Energy & Solar	High	Growing
Agriculture	Medium-High	Emerging
Exports	High	Scalable

- ❑ Rapid growth in Electronics Manufacturing in India (Make in India push)
- ❑ Expansion of CSR funding (₹20,000+ Cr annually in India)
- ❑ Increasing demand for energy-efficient & solar solutions
- ❑ High-growth sectors: AI, IoT, Drones, Smart Infrastructure
- ❑ Government initiatives:
 - ✓ Smart Cities
 - ✓ Digital India
 - ✓ Skill India
 - ✓ Renewable Energy Mission
- ❑ Export opportunities in Africa, Middle East, and Southeast Asia
- ❑ Rising demand for custom OEM electronics solutions

Innovation Focus Areas

- Energy-efficient and sustainable technologies
- IoT-enabled smart and connected solutions
- High-efficiency power electronics systems
- Industry-specific application development (Agri, Utility, Infrastructure)

Strategic Impact - Upcoming developments are aimed at:

- Expanding into high-growth markets (EV, IoT, renewable energy)
- Building proprietary product lines with higher margins
- Strengthening technology leadership and IP creation
- Supporting the company's growth roadmap towards ₹30 Cr → ₹100 Cr scale



Expansion Strategy

A. Expansion Strategy

- Multi-Vertical Growth Model
- We are scaling across high-growth sectors:
- Electronics Manufacturing (OEM & Industrial)
- Energy & Solar Solutions
- CSR & Education Projects
- IoT, AI & Smart Systems
- Drones & Emerging Technologies
- Trading & EXIM

Approach:
Diversified revenue streams to reduce risk and increase scalability.

B. Geographic Expansion

- Strengthening presence across PAN India
- Expanding into Tier 2 & Tier 3 markets (CSR + infrastructure)
- Targeting international markets:
 - ✓ Africa
 - ✓ Middle East
 - ✓ Southeast Asia

C. Product & Technology Expansion

- Development of in-house IP-based products
- Focus on:
 - ✓ BLDC controllers
 - ✓ IoT devices & smart systems
 - ✓ Solar electronics and energy systems
- Goal: Move towards high-margin, technology-driven product portfolio.

D. Strategic Partnerships

- OEM collaborations for manufacturing scale
- Corporate tie-ups for CSR program execution
- Partnerships with system integrators and distributors

E. Capacity & Capability Expansion

- Scaling production with existing 15,000 sq. ft. facility
- Enhancing automation and quality systems
- Expanding technical and sales teams

Competitive Advantage

- ✓ Integrated model: Manufacturing + Technology + CSR
- ✓ Strong positioning in high-growth and ESG-aligned sectors
- ✓ Ability to deliver end-to-end solutions at scale
- ✓ Focus on innovation and sustainability together



Training, Skill Development & Social Impact

Training & Skill Development

- Solar certification & technical training programs
- STEM labs & innovation centres
- Industry-ready skill development initiatives
- CSR-driven employability programs
- Drone Training programs

Livelihood & Social Impact

- Skill development for rural & underserved communities
- Entrepreneurship support in solar & electronics
- Technology-driven livelihood generation
- CSR-aligned sustainable development programs

Academic & Training Partners

- Engineering colleges
- Skill development institutes
- Training organizations



Program Highlights & Outcomes

- Hands-on training with real-time systems
- Industry-aligned certification
- Focus on employability & entrepreneurship

Career Pathways: Installation Technician | Design Engineer | O&M | Project Engineer | Solar Entrepreneur

Solar Certification Programs

✓ **Foundation & Design**
 ➤ Solar Technology, Renewable Energy, PV Design (PVSYST, PV*SOL, SAM)

✓ **Installation & Technician Programs**
 ➤ Solar Installation, O&M, Inverter Servicing

✓ **Advanced & Career Programs**
 ➤ Junior to Senior PV Technicians & Engineering Assistants
 ➤ Technical Sales & Renewable Energy Entrepreneurship

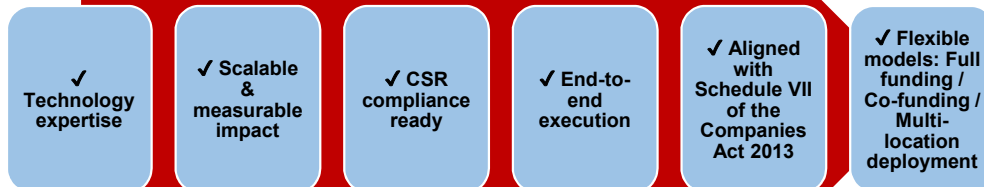


CSR PARTNERSHIP – Technology-Driven Social Impact Initiative

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Technosphere Engineering Pvt. Ltd. is a technology-driven organization focused on delivering scalable solutions across **education, skill development, and sustainable energy systems**. We work with industry partners, institutions, and government bodies to implement high-impact programs.

Why Partner With Us



“Innovating Impact. Empowering Future.”

Driving Impact Through Technology, Skills & Sustainability

Empowering communities through technology, education, and sustainable solutions.

MISSION
VISION

Our CSR Initiatives

1. STEM & Innovation Labs

Robotics, AI, IoT labs in schools & colleges
Hands-on learning for future-ready skills

2. Skill Development Programs

Training in Embedded Systems, EV, Industry 4.0
Enhancing employability for youth

3. Energy & Sustainability Projects

LED retrofits and solar solutions
Smart energy monitoring systems



Implementation Model :

Corporate CSR Partner → Technosphere Implementation → Deployment → Monitoring & Reporting



Consulting & Strategic Advisory

End-to-end consulting to drive technology, government, and global project success

Government Tenders & Advisory

- ❑ Tender ID, bids, compliance
- ❑ BOQ & execution planning

Large Strategic Projects

- ❑ Feasibility & due diligence
- ❑ Execution & monitoring

Government Programs & CSR

- ❑ Scheme advisory
- ❑ CSR design & impact reporting



Global Collaborations

- ❑ Partnerships & JVs
- ❑ Market entry & OEM alliances

Training & Skill Development

- ❑ STEM labs & training centers
- ❑ Curriculum (Solar, IoT, Electronics)

Investment & EXIM Advisory

- ❑ Fundraising & ROI
- ❑ Export-import & global partners



Enabling organizations to plan, execute, and scale high-impact projects



Aerospace & Defense - Strategic Focus and Capabilities

- ❑ **Registered Vendor Base**
 - Approved vendor with **BHEL & BEL**
 - Strong positioning for government and PSU projects
- ❑ **Business Strategy**
 - Focus on **defense-related trading & tender participation**
 - Targeting high-value contracts in aerospace & defense sectors
- ❑ **Leadership**
 - Business vertical led by an **experienced industry leader**
 - Strong domain expertise in execution & partnerships
- ❑ **Global Collaborations**
 - Exploring **international partnerships** for technology & supply chain
 - Bringing **global solutions to local markets**
- ❑ **Growth & Expansion**
 - Actively pursuing **projects, programs, and joint ventures**
 - Open to **strategic partnerships & investment opportunities**





Our Clients

Technosphere
Engineering Pvt Ltd



ADITYA BIRLA GROUP



PURAVANKARA[®]



Thank you!

Nanda Kishore H. (CEO)

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