



Cynosure Engineering Solutions

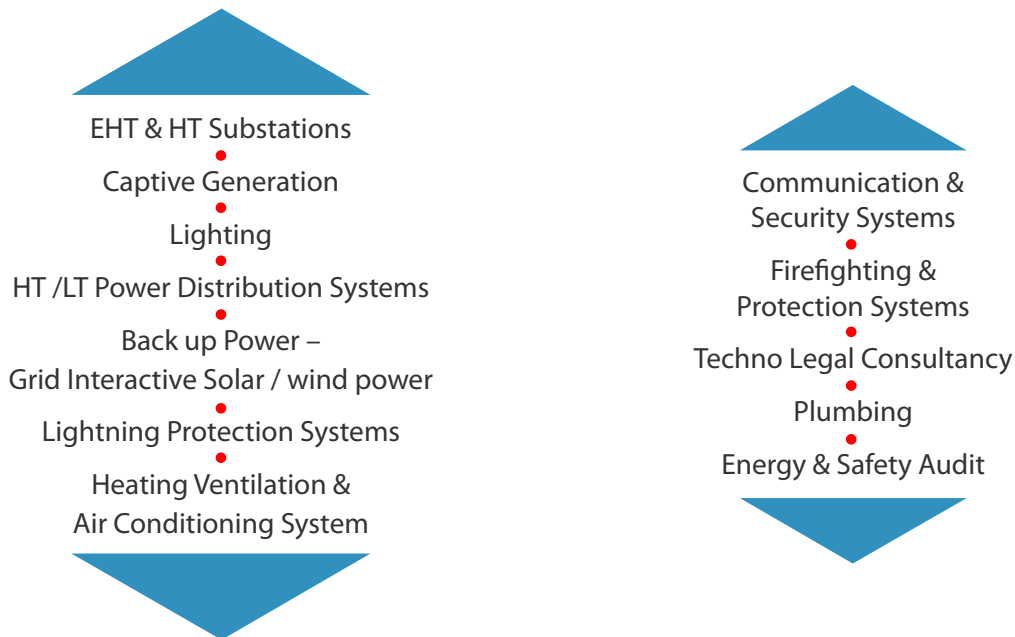
M E P Consultants



Knowledge • Proficiency • Expertise

A platform providing expert services primarily in the concept and design of the M E P Engineering of projects of any magnitude. Created as the design arm of the reputable Contracting agency “Cynosure Electric Company Private Ltd.”, a company serving the field of Electrical Engineering for the past fifty years, Cynosure Engineering Services is in itself a full-fledged Consultancy set up, supported and strengthened by the vast store of knowledge assimilated from five decades of experience in the infinite dominion of Building Engineering.

At Cynosure Engineering Solutions we provide unmatched services in the following areas of Comprehensive Engineering Design.



We design the complete engineering of any project, complying with very high standards of technical perfection. The technical excellence of the jobs that we deliver has been seldom matched. We have a highly professional and experienced team of Engineers, Supervisors and field staff who constantly strive to keep abreast of the latest trends in the field of Engineering, and make every job that we undertake, absolutely perfect.

The client can safely entrust the entire job of conceptualisation, drawing up of designs to minute details, and the final 'go ahead' to commence the work.

The services that we offer are exhaustive and thorough





Electrical Consultancy

1. Computation of connected load requirements based on the requirements of the client.
2. Design of the complete installation, fault level calculations, earthing system design.
3. Preparation of Report, detailed electrical schematic and layout drawings, estimates and bill of quantities, and selection of brands.
4. Preparation of Tender Documents.
5. Obtaining Advice Approval for the scheme from the Electrical inspectorate.
6. Identification of Contracting Agencies, Vendors.
7. Inviting bids and quotes, comparing various offers and finalising agencies
8. On site periodical supervision
9. Verification of Contractor's work measurements and certification.

Air Conditioning System

1. Air conditioning
2. Refrigeration systems
3. Kitchen ventilation
4. Walk in coolers and deep freezers storage systems
5. Clean room applications and sterile room designing
6. Industrial ventilation
7. Indoor air quality management
8. Pressurization system
9. Smoke extraction system
10. Centralised Air conditioning



Extra Low Voltage Systems

1. Access Control Systems.
2. Time & Attendance Management Systems.
3. Audio/Video Systems.
4. Automatic Barriers & Turnstiles.
5. Public Address Systems.
6. Electrical, Plumbing and HVAC monitoring systems with SCADA.
7. Building Management Systems (BMS).

Plumbing and Fire Protection

1. Water supply distribution schemes.
2. Water treatment plants.
3. Sewage treatment plants.
4. Rain water harvesting.
5. Smoke & fire detection system.
6. Sprinkler systems.

Techno Legal Consultancy

1. Consultation for adherence to statutory regulations with utility providers.
2. Regularising connected loads and contract demand.
3. Legal issues with service providers.

Energy Auditing and Management

1. Pre Audit data collection.
2. Audit detailed measurements.
3. Data Analysis.
4. Suggestions and Implementations.

Renewable Energy

1. Solar power Plant.
2. Techno-Economic feasibility.
3. Detailed project report.
4. Design and Procurement support.
5. Quality Control.



PROFILE

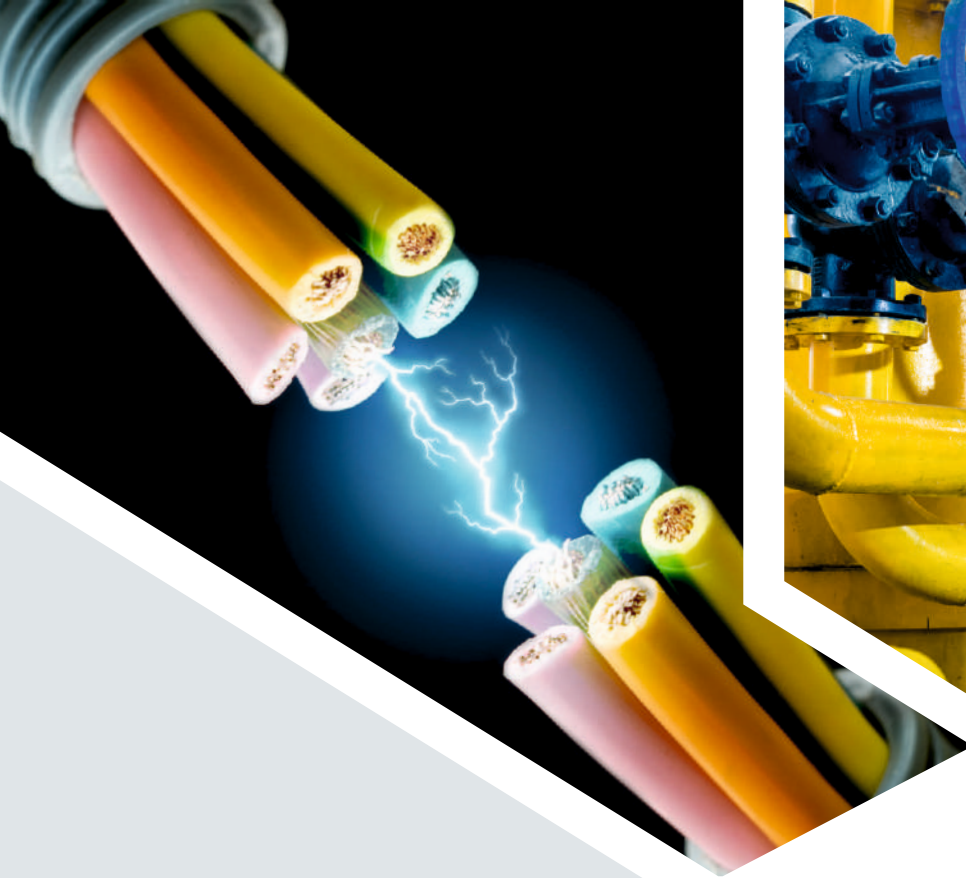
Name of Company	:	Cynosure Engineering Solutions
Email	:	cynosurepower@gmail.com
1. Type of ownership	:	Partnership
2. Details of Managing Partner	:	J. Ravisankar Unithiri Mobile: +91 98470 33373
3. Names of the other Partners	:	1. N. Jayakumar (Chief Consultant) Mobile: +91 98470 60130 2. J. Jayasankar Unithiri Mobile: +91 98475 43431
4. Year of establishment	:	Contracting Company established in 1972 Consultancy Wing separated in 2000 Reconstituted in 2022

SUPERVISORY COMPETENCY

Details of Licensed Supervisors

Name	Grade & Number	Scope of Competency
1. N. JAYAKUMAR	SA 178	All Electrical Installations
2. J. RAVISANKAR UNITHIRI	SA 957	All H. T. Installations up to 500 KVA (Certified Energy Auditor- EA 15421)
3. J. JAYASANKAR UNITHIRI	SA 1327	All LT/MV/HT Electrical Installations





Our sister concern



CYNOSURE

ELECTRIC COMPANY PRIVATE LIMITED
ELECTRICAL ENGINEERS | CONSULTANTS | CONTRACTORS

is a company serving the field of Electrical Engineering for the last 50 years, which makes us one of the most experienced teams in the state today. The Company was formed in 1972 by a group of Engineers who graduated from the Regional Engineering College, Calicut, in 1969.

We do Electrical Engineering consultancy for any type of H.T./L.T. installation. The experience and wisdom gained through the past 50 years and the successful completion of more than 900 projects justifiably make us one of the most experienced teams in the profession, and certainly go a long way in evolving the best possible designs for electrical installations.

We assure you that the services that we offer as Consultants will be among the best that you come across anywhere in India.

OUR ASSOCIATION AS CONSULTANTS/CONTRACTORS WITH PROJECTS IN TECHNOPARK

1. IVL India Ltd. Phase I, Periyar, Phase II, Nila.
2. Transmatic Systems. Pvt. Ltd., Periyar.
3. Fischer Systems India Pvt. Ltd., Nila.
4. Ushus Technologies Pvt. Ltd. Phase I & II, Nila.
5. U.S. Software, Phase I, Nila.
6. Toonz Animation India, I & II, Nila.
7. Swami Cyber Solutions Pvt. Ltd., Nila.
8. Indian Institute for Information Technology & Management – Kerala, Phase I & II.
9. IBS Software Services Pvt. Ltd. Block I, II, V, VI.
10. IBS facility, KINFRA Infopark, Kakkanad, Eranakulam.
11. Tata Elxsi Ltd., Gayatri Complex.
12. New Auditorium, yard lighting & expansion for Tata Consultancy Services, Technopark.
13. Ernst & Young of Middle East (EYME Technologies), Gayatri Complex.
14. Gemini Software, Expansion, Nila.
15. Revenue Med India Pvt. Ltd., Pampa.
16. Sea View Support Systems Pvt. Ltd., Padmanabham, Technopark.
17. Asian School of Business, Padmanabham, Technopark.
18. Network Systems & Technologies Pvt. Ltd. (NeST).
19. Speridian Technologies, Tejaswini Building.
20. Centre for Development of Advanced Computing (C-DAC).

INVOLVED IN THE FOLLOWING MAJOR 'FIRSTS':

1. 150 kVA Wave Power Generator, Vizhinjam, Trivandrum – 1981.
2. 2 nos. 250 kVA DG sets and synchronising, and connected cabling at Government Secretariat, Trivandrum.
3. 400 A Rising Mains at Govt. Secretariat, Trivandrum – 1980.
4. 250 A & 400 A Industrial Trunking Bus (196 Metres) at Government Press, Mannanthala, Trivandrum. - 1983.
5. First 11 KV 1000 kVA Generation at LPSC Systems Centre, ISRO, Valiamala, Trivandrum – 1984.
6. 11 kV 1000 kVA x 2 and Synchronising and paralleling with EB Grid at TTP Trivandrum – 1984.
7. First 1.5 MVA Outdoor Automatic Voltage Regulator in Trivandrum for English Indian Clays, Trivandrum – 1990.
8. First Indoor AVR – 2 Nos. 500 kVA Automatic Voltage Regulators for MILMA, Trivandrum.
9. First CT Scan unit, Medical College Hospital, Calicut - 1984.
10. First Cardiac Catheterisation Unit at SUTHospital, Trivandrum – 1983.
11. Installation and Commissioning of First Mobile Network in Kerala from Trivandrum to Thrissur for Escotel Mobile Communications (IDEA Cellular).
12. First 11 kV 1000 kVA Generation at LPSC Systems Centre, ISRO, Valiamala, Trivandrum – 1984.



MAJOR PWD AND CPWD ORGANIZATIONS

1. Govt. Secretariat, Trivandrum.
2. 150kVA Wave Generator, Vizhinjam, Trivandrum, 1981.
3. VSSC, ISRO, Trivandrum, Valiamala, Vattiyoorkavu, APEP, Aluva.
4. Kerala State Pollution Control Board.

STAR RATED HOTELS

1. HT & LT Electrification of Taj Garden Retreat, Thekkadi & Varkala.
2. HT & LT Electrification of Hotel Pankaj, Trivandrum.
3. Nandanam – KTDC Guruvayur.
4. Hotel Devalokam, Koottanad, Palakkad.
5. Hotel Horizon, Trivandrum.

MAJOR HOSPITALS

1. Super Speciality Block, Medical College, Trivandrum.
2. SP Fort Hospital, Trivandrum.
3. Regional Cancer Centre, Trivandrum.
4. First CT Scan Unit, Medical College, Calicut - 1984.
5. Sree Uthradom Thirunal Hospital, Trivandrum.
6. MGM Hospital, Kozhencherry.
7. Sree Chitra Institute of Medical Science and Technology.
8. Chaitanya Eye Hospital, Trivandrum.
9. St. Joseph' Mission Hospital, Anchal.
10. Prem's Eye Hospital.

MAJOR BUILDERS AND DEVELOPERS IN KERALA

1. Skyline Foundations & Structures Pvt. Ltd., Trivandrum.
2. Heera Construction Company Ltd., Trivandrum.
3. Sowparnika Projects & Infrastructure Pvt. Ltd.
4. PTC Builders.
5. Powerlink Builders.
6. Nikunjam Constructions.
7. Muthoot Builders, Trivandrum.

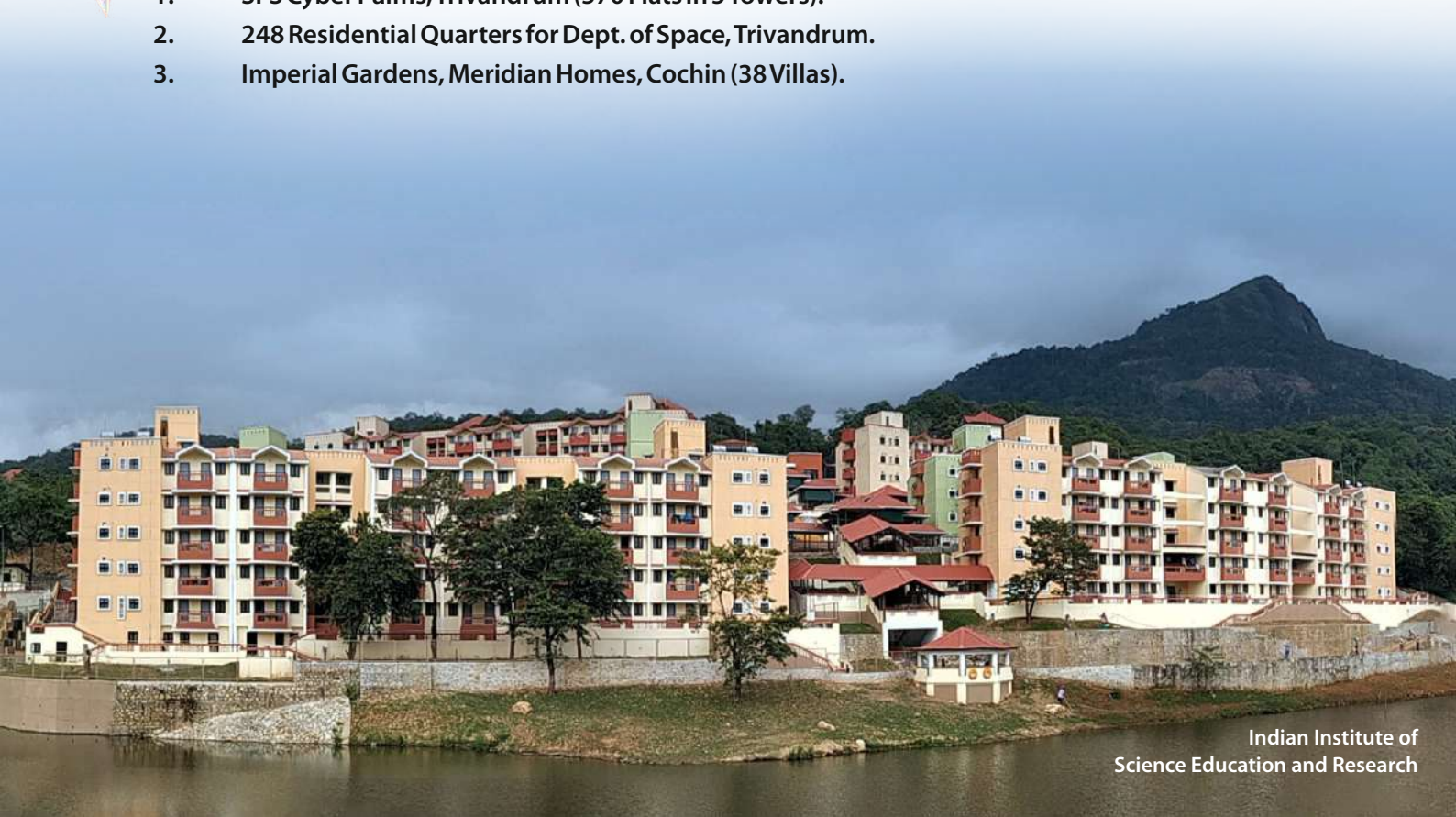
8. Varkey Group, Bangalore.
9. Windsor Builders, Trivandrum.
10. Pan African Constructions Pvt. Ltd.
11. Alsa Constructions & Housings Limited.
12. Kottakkattu Builders.
13. RDS Projects Ltd., Trivandrum.
14. Meridian Homes, Ernakulam.

MAJOR COMMERCIAL COMPLEXES

1. Felicity Square, Trivandrum.
2. Bhima Jewellery, Trivandrum & Kottayam.
3. Carmel Towers, Trivandrum.
4. Heera Chambers, Trivandrum.
5. PTC Towers, Trivandrum.
6. SP Commercial Complex, Trivandrum.
7. Indus Motors, Trivandrum.
8. Sarathy Auto Cars, Trivandrum.
9. Fiow Mart, Kazhakkootam.

GATED TOWNSHIPS

1. SFS Cyber Palms, Trivandrum (570 Flats in 5 Towers).
2. 248 Residential Quarters for Dept. of Space, Trivandrum.
3. Imperial Gardens, Meridian Homes, Cochin (38 Villas).



STREET LIGHTING

1. 32 km City Roads, Trivandrum.
2. Complete Designing & Lighting up of Bakery Junction Flyover, Trivandrum.
3. Tata Consultancy Services, Trivandrum.
4. SFS Cyber Palms, Trivandrum.

MAJOR PROFESSIONAL EDUCATIONAL INSTITUTIONS

1. Complete HT & LT electrification to Asian School of Business, Technocity, Trivandrum.
2. Complete Ht & LT electrification to Kerala Institute of Cooperative Management, Neyyar.
3. St. Thomas Residential School.
4. HT and LT electrification of Residential buildings, Hostel blocks and Indoor stadium at IISER campus, Vithura, Trivandrum.

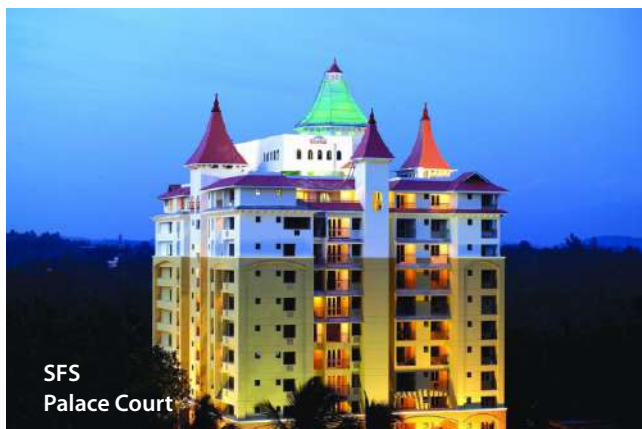
WATER THEME PARKS

Happy Land Amusement Park, Vembayam, Trivandrum.





CDAC Campus,
Technopark



SFS
Palace Court



Udaya Samudra,
Kovalam



Uday Palace
Convention Centre



Cynosure Engineering Solutions

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