

ELV & Controls Design Manager, Data Center

OPEN POSITIONS 1	EMPLOYMENT TYPE Full-Time, Permanent
EXPERIENCE REQUIRED 12 to 18 years	LOCATION Chennai, office based
DEPARTMENT Technical	REPORTS TO Chief of Design & Delivery Officer

About Technavious

Technavious Solutions Private Limited is a data center consulting, engineering, commissioning and certification firm, with a presence across India, Dubai, the United Kingdom and the United States. It is the only ANSI or TIA-942 Certification Body headquartered in India, and it takes a brick to chip approach that covers the full data center lifecycle, from early feasibility and design through to construction, testing and commissioning, and long-term certification. Over seventy clients across fifteen countries have trusted Technavious with some of their most significant data center builds.

Role Overview

Technavious is hiring an ELV and Controls Design Manager to lead the ELV and control systems design team on large Tier III and Tier IV data center campuses for colocation and hyperscale clients, based in Chennai. The person in this role will own the systems that monitor, secure and control the facility, so that they work together as one reliable, cyber-secure platform from concept through to handover. The work is office based with regular site exposure, and suits someone who combines strong controls expertise with the ability to lead engineers.

Key Responsibilities

- Lead pre-bid technical discussions and prepare the Basis of Design, system architecture, specifications, BOQs and tender drawings for multiple bids in parallel.
- Design BMS, EPMS or SCADA, CPMS and DCIM systems, including points schedules, network architecture and integration with electrical and mechanical plant.
- Define control philosophies and sequences of operation for chiller plants, CRAH units, generators and switchgear, and specify redundant PLC or DDC controllers and failover logic.
- Integrate third-party systems over BACnet, Modbus, SNMP and OPC, and define interfaces with OEM controls for UPS, DG, chillers and switchgear.
- Design access control, CCTV and VMS, intrusion detection, perimeter security and visitor management, aligned with client security tiers and zoning.
- Design fire alarm, VESDA, gas suppression release, leak detection and PA/VA systems, with their interlocks to HVAC and electrical systems.

- Plan structured cabling, OT and ELV networks and telecom rooms, applying OT cyber-security principles from day one.
- Run technical and commercial vendor evaluations, approve submittals and FAT and SAT procedures against codes, client standards and Uptime Tier requirements.
- Coordinate ELV and controls with electrical, mechanical, architectural and IT teams, leading design reviews with the PMC and client.
- Resolve RFIs and support point-to-point checks, controls testing, IST and handover documentation, while leading, reviewing and mentoring ELV engineers and draughtspersons.

Required Qualifications and Experience

- B.E. or B.Tech in Electronics, Instrumentation, Electrical or Electrical and Electronics Engineering.
- Between 12 and 18 years of experience in ELV or controls design, including at least 6 years in data centers or comparable mission critical facilities.
- At least one completed Tier III or Tier IV data center of 20 MW or more IT load, delivered from design through execution.
- Hands-on design experience with BMS, EPMS, DCIM, PLC and SCADA, security and fire detection systems.
- Strong understanding of control redundancy, fail-safe design and concurrent maintainability, with tendering experience including DBR, specifications and BOQs.
- Familiarity with TIA-942, TIA-568, 606 and 607, BICSI 002, NFPA 72, NBC, IS 2189, IEC 62443 and the Uptime Institute Tier Standard.
- Proficiency in AutoCAD, Revit and Visio, familiarity with leading BMS, DCIM and PLC platforms, and proven experience leading and developing a design team.

Preferred, Good to Have

- Delivery of BMS, EPMS, CPMS, DCIM and integrated security systems for 20 MW or larger campuses, or exposure to international projects (for example the Middle East) and hyperscale client standards.
- Experience with liquid cooling controls, AI-ready facilities or cyber-security assessments for OT networks.
- Credentials such as Uptime Institute ATD, CDCS, CDCP or CDCE, BICSI RCDD or vendor controls certifications.

What We Offer

Technavious offers a role at the center of India's data center build out, with direct exposure to hyperscale, colocation, enterprise and BFSI clients across several geographies. The firm's culture is built around collaborative excellence, an open and innovation first mindset, and a genuine commitment to work life balance and sustainability, including its own net zero ambitions. People who join Technavious work alongside senior engineering and delivery leadership on projects that shape how mission critical infrastructure is planned, built and certified in India and beyond.