

# **PIER ENGINEERING SOLUTIONS**

**Electrical Design Consultancy for Global Industrial Projects**

**Delivering Safe, Compliant & Optimized Electrical Solutions**

# Who We Are?

Founded in 2018, Pier Engineering Solutions is a leading electrical design consultancy based in Ahmedabad, India. We provide end-to-end electrical design support for industrial, oil & gas, chemical, and infrastructure projects worldwide.

- 70+ Projects Across 12+ Countries
- Clients across Asia, Australia, Middle East, Europe, and USA
- Safety-first, pragmatic engineering approach
- Long-term collaboration with EPCs, OEMs & industrial clients
- Experience with Advanced Tools: ETAP, SKM, Dialux etc.

*“Trusted by EPCs, OEMs & industrial owners globally”*





## Vision

Be the preferred electrical design partner for industrial owners and EPCs globally



## Mission

Deliver safe, compliant, and practical electrical engineering solutions that reduce project risk and lifecycle costs.

# PLCER

## What We Do

### Electrical Design

- Single Line Diagram
- Earthing, Layout
- Lighting Layout
- Power Layouts
- Cable Routing Layout
- Lightning Protection Layout
- Hazardous Area Classification
- Substation Layout
- Switchyard
- Interconnection diagram

### Electrical Engineering

- Electrical Design Basis
- Technical Specifications
- Electrical Load List
- Equipment Datasheet
- Material Take-off
- Material Requisition
- Technical Bid Evaluation
- Method of Statements
- Schedule of Rates
- Vendor Drawing Review

### Electrical Calculations

- Generator Sizing
- Transformer Sizing
- Neutral Grounding Resistor Sizing
- CT & PT Sizing
- Cable Sizing & Voltage Drop
- Switchgear Sizing
- Lighting & Earthing Calculation
- Lightning Protection Calculation
- Capacitor bank Sizing
- AC & DC UPS Sizing

Full package electrical design capability (HV/MV/LV/ELV)

# PILGER

## What We Do

### Power System Studies

- Load Flow
- Short Circuit
- Motor Startup
- Relay Coordination
- Arc Flash
- Harmonics
- Transient Stability

### Extra Low Voltage System

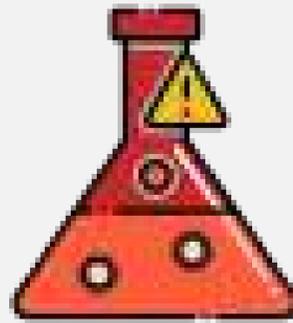
- Audio Visual System (AV)
- Fire Detection & Alarm System (FAS)
- Aspiration Detection System (ADS)
- Gas Suppression System (GSS)
- Public Address System (PA)
- CCTV / Surveillance System
- Access Control & Management System (ACS)
- Entrance Control & Management System (ECS)
- Nurse Calling System (NCS)

# FILCER

## Sector We Serve



Oil & Gas



Petrochemical/Chemicals



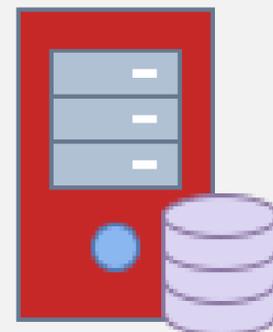
Industrial Manufacturing



Infrastructure



Water / STP / WTP



Datacenter



Warehouse

# Annual Electrical Design Support Contract (AEDSC)

Dedicated partnership model offering continuous electrical design support with predictable costs and faster turnaround.

- Fixed-price annual contracts tailored to your project pipeline
- Reduced design cycle time & zero revision returns
- Seamless collaboration with EPCs, OEMs, and consultants



# Benefits of AEDSC

- Reduced downtime & faster fixes
- Predictable engineering costs
- Dedicated engineering access & compliance assurance

## Case Study: *Boiler Supplier Partnership*

- **Challenge:** Frequent design cycles for varied boiler types with tight timelines
- **Solution:** Fixed-price AEDSC for lighting design support
- **Result:** 40% reduction in cycle time, zero revision returns



# Why Choose us

- Experienced team
- Standards-compliant designs
- Fast turnarounds
- Strong QA/QC
- Clear documentation & coordination
- Global standards compliance
- Multi-disciplinary coordination support



# Standards & Tools

Conversant with international and regional electrical codes:

- IEC, IEEE, NEC, BS/EN, IS, AS/NZS, NBC, Shell DEP, Saudi Aramco, ADNOC, SABIC, OISD compliance

Conversant with advanced tools:

- CAD, ETAP, SKM, Dialux, AGI32, PSCad, CYME, etc.



# Our Clientele



# Contact Us

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We look forward to engaging  
with you and exploring  
opportunities for collaboration.

