



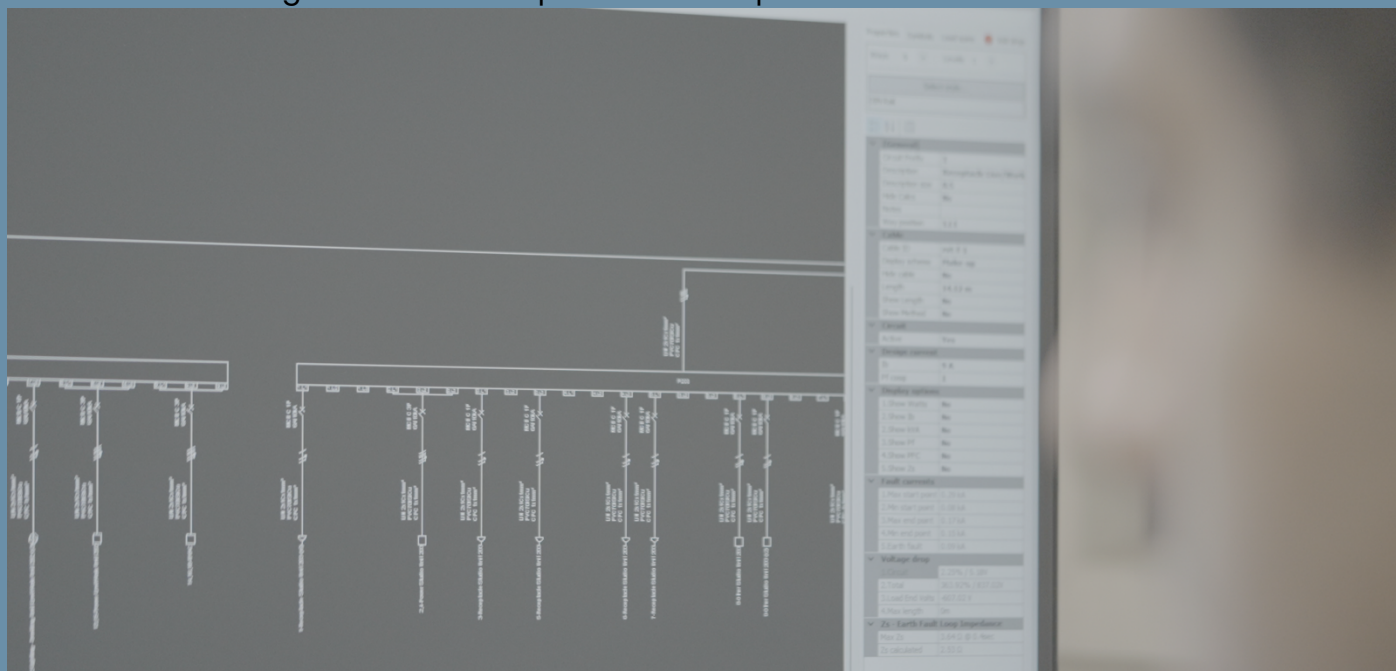
PROTEGO PLUS
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Clarity in Electrical Standards- Confidence in Every Design

ProtegoPlus Electrotech Pvt Ltd provides specialist standards advisory for electrical design consultants working to achieve compliance in complex environments.



The Problem – Industry Reality

Compliance with electrical installation standards is critical for electrical safety to reduce risk and protect persons and property. In India, the National Electrical Code (NEC) 2023 and IS 723 are mandatory, forming the baseline for safe electrical installations.

Awareness of mandatory standards has grown, but applying them consistently remains difficult. It involves detailed study of multiple interlinked standards, written in formal normative language where the words used have precise meanings that differ from everyday usage. The performance objectives specified are not direct instructions –they need interpretation to translate into practical design solutions. All this places pressure on design teams to make judgement calls that carry safety, cost, and liability implications.

When standards interpretation is unclear, the result is often overdesign, leading to inflated costs. Late-stage corrections during execution causes delays and materials/labour cost overruns.

How can we help?

ProtegoPlus Electrotech Pvt. Ltd. are pioneering electrical installation standardisation specialists with membership in several IEC and BIS technical committees. We support electrical consultants by bringing clarity to the application of BIS and IEC standards, so your teams can confidently and consistently apply requirements across projects. We do this through:

- **Design Quality Assurance**

Independent third-party review of electrical installation designs against NEC 2023 and IS 732. This provides objective assurance on critical parameters including current-carrying capacity, voltage drop, earth-fault loop impedance, and conductor thermal withstand before execution begins.

- **Templatified Design Specifications**

Provision of standardised design frameworks for commonly used circuits and installation types, improving consistency, reducing design effort, and supporting repeatable compliance across projects.

- **Standards Interpretation Enablement**

Structured training for design, execution, and testing teams, focused on practical interpretation and application of IS 732 and NEC 2023 requirements.

- **On-Demand Technical Advisory**

Ongoing access to specialist expertise for project-specific and application-specific guidance as design and compliance questions arise.

Why Partner With Us?

Partnering with specialists actively involved in standards development provides tangible and lasting advantages, including:

- Benefiting from reduced project costs due to efficiently sized cables and protective devices.
- Positioning your firm as a leader in safety and compliance.
- Ensuring every project you design meets international benchmarks for electrical safety.
- Delivering peace of mind to clients, regulators, and end-users.
- Contributing to a safer electrical ecosystem across India and beyond.

Get in touch with us to explore how we can assist in enabling installation compliance, strengthen market credibility, and unlock the full value of your service offerings.