



# POWER SYSTEMS

## Design & Planning Services

- Utility Coordination & System Planning
- Emergency & Backup Power Integration
- UPS, Battery, & Alternative Energy Design
- EV Charging Feasibility & Infrastructure
- Single Line Diagram Creation & Documentation
- Load Analysis & Peak Demand Estimations
- Maintenance Strategy Support

## Power System Studies

- Arc Flash (Incident Energy) Recommendations & Labelling
- Power Quality, Harmonics, & Power Factor Correction
- System Capacity, Reliability, and Redundancy Evaluations
- IEEE 835 Conductor Ampacity Calculations

## Overview

Nodal Electrical Engineering (NEE) delivers practical, efficient, and future-ready electrical power system design and support. From utility coordination and load planning to complex Main-Tie-Main systems, we help clients implement systems that are safe, adaptable, and aligned with facility operations. Our work draws on extensive field and consulting experience, supported by technical depth across a wide range of sectors.

## Why NEE?

We design with long-term use in mind – balancing code, clarity, and maintainability. From new infrastructure to legacy issues, we deliver coordinated solutions that work in the field.

*We want designs that work – on paper and on site*