



Electrical

Arora's electrical engineers design safe, reliable and efficient electrical systems to power everything from mission-critical systems to charging your smartphone.

Key Services

- + Medium low voltage power distribution systems
- + Emergency and standby power systems
- + Duct bank heat loss conductor derating, Neher-McGrath method
- + Lighting design and photometrics (normal/emergency/egress lighting)
- + Alternate power sources (turbine generators, diesel and natural gas, fuel cells and UPS)
- + Renewable energy design, PV solar systems design
- + Commercial substations
- + Grounding and lightning protection
- + Photovoltaic design
- + Power Systems Studies; Load flow, short circuit, OCP coordination
- + Single-line diagrams
- + Short circuit, coordination, and arc flash studies
- + Arc flash analyses and mitigation
- + Electric Vehicle Charging Design
- + Construction drawings and Specifications
- + Electrical system assessments and equipment evaluations
- + Power systems reliability and resilience reports
- + Electrical code analysis and existing conditions reports
- + Electrical system assessment and feasibility studies
- + Coordination with utility companies and AHJs

Representative Clients

- + Amtrak
- + Massachusetts Bay Transportation Authority
- + Boston Logan International Airport
- + Reagan National Airport
- + Baltimore-Washington International Airport
- + Philadelphia International Airport
- + Cheyney University
- + Philadelphia, Streets Department
- + Southeastern Pennsylvania Transportation Authority
- + Port Authority of NY & NJ
- + City of Philadelphia, Department of Public Property
- + School District of Philadelphia
- + Philadelphia Regional Port Authority



Rethinking Infrastructure®

aroraengineers.com