



ENGINEERING SERVICES

POWERING OUR PARTNERS SINCE 1913

For over a century, I.B. Abel, Inc. has set the standard in electrical contracting. Headquartered in York, Pennsylvania, we design, build, maintain, and service systems that power the world around us.

What truly makes I.B. Abel unique is our people. Our skilled, agile workforce combines entrepreneurial spirit with a relentless focus on safety, quality, and ensuring we meet every challenge with confidence.

From humble beginnings in appliance repair to becoming a trusted national partner, our story reflects over 100 years of innovation, resilience, and excellence. Today, we continue to lead the way in delivering our partners solutions that power progress.

SAFETY & QUALITY

At I.B. Abel, safety isn't just a priority – it's the foundation of everything we do. For over a century, we have built one of the industry's most comprehensive safety programs, focused on protecting our people and ensuring the highest quality outcomes for our partners.

Our unwavering dedication to safety protects our workforce, strengthens our project results, and upholds our reputation as a trusted leader in safe, reliable electrical contracting. Our goal is simple: zero injuries and zero incidents.

CONTACT US TODAY

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York, PA 17406
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WWW.IBABEL.COM

WE SPECIALIZE IN THE FOLLOWING SERVICES:

Lighting & Power

Telecommunications, Fire, Life Safety & Security

Short Circuit, Arc Flash, & Load Flow

Substations, OH & UG Distribution

Design Build & Value Engineering

Commissioning Testing, & Diagnosis



DESIGN

- Project Documents
 - Bid Documents
 - Permit Drawings
 - Construction Drawings & Specifications
 - Construction Administration
- Plan & Spec / Design-Build / Design-Assist
- Low & Medium Voltage Power Distribution Systems
- Lighting Systems
- Emergency (Life Safety) Systems
- Standby Generator Systems
- Substations (Up to 138 kV)
- Relay Protection & Control Schemes
- Microgrid & Energy Storage Systems
- Grounding Systems
- Structured Cabling Systems
- Fire / Security / Video / Audio Systems
- Lightning Protection

STUDIES

- Power System Studies (performed using ETAP)
 - Load Flow
 - Short Circuit
 - Protective Device Coordination
 - Arc Flash Hazard (Incident Energy)
 - Harmonic
 - Transient Motor Starting
- Ground Grid Studies (IEEE 80 & Finite Element Analysis)
- Cable Thermal Analysis (Neher-McGrath)
- Power Quality Metering & Analysis
- Feasibility Studies

ADDITIONAL SERVICES

- Protective Relay Settings & Commissioning
- Utility Interconnect Coordination
- Value Engineering
- Equipment Evaluation, Acceptance, & Commissioning
- Site Surveys
- Project Planning & Budgeting



FULL LINE OF I.B. ABEL CAPABILITIES

ELECTRICAL | TRANSMISSION | DISTRIBUTION | SUBSTATION |
TELE/DATA | COMMERCIAL WIRELESS | STORM RESTORATION

