Company Portfolio / Capability Statement

About Us

IED Solutions is a professional infrastructure deployment and technical services company specializing in data center, telecom, and network infrastructure solutions. We provide high-quality installation, integration, and support services for mission-critical environments across commercial, enterprise, and telecommunications sectors.

Our team delivers reliable turnkey solutions with a strong commitment to safety, precision, project efficiency, and customer satisfaction.

Our Mission

To provide dependable, scalable, and industry-compliant infrastructure solutions that support the evolving demands of modern communications and data center environments.

Core Services & Capabilities

PROJECT CONSULTING & ADVISORY SERVICES

IED Solutions, Inc. provides project consulting and advisory support for clients facing complex telecommunications, data center, electrical, power, and infrastructure challenges. Drawing on decades of combined technical, construction, and project management experience, our team works alongside clients to evaluate project requirements, identify potential risks and constraints, develop practical solutions, and establish an effective path from planning through implementation and closeout.

Our consulting approach combines technical knowledge with real-world construction and field experience. Whether supporting a new build, expansion, upgrade, restoration, or an existing project experiencing technical, scheduling, procurement, contractor, or budget challenges, IED Solutions can provide experienced guidance and hands-on project support.

Our Project Consulting Capabilities Include

- **Project Planning & Feasibility —** Review project objectives, site conditions, technical requirements, constructability, schedules, resources, and potential project risks before execution.

- **Scope of Work Development & Review —** Assist with developing and reviewing scopes of work, drawings, specifications, contractor responsibilities, deliverables, and project requirements to help minimize scope gaps and misunderstandings.
- **Budgeting & Cost Analysis —** Support preliminary budgeting, cost evaluation, material and labor planning, contractor pricing review, CAPEX/OPEX considerations, and identification of potential cost-saving alternatives.
- **Procurement & Material Strategy —** Assist with equipment and material selection, vendor coordination, procurement planning, lead-time evaluation, material substitutions, logistics, and delivery scheduling.
- **Contractor & Vendor Management —** Support contractor qualification, bid and proposal review, scope alignment, contractor coordination, performance monitoring, change management, and resolution of field issues.
- **Technical & Constructability Review —** Evaluate proposed installation methods and infrastructure requirements from a practical construction perspective and help identify alternatives when technical or site conditions create challenges.
- **Telecommunications & Fiber Infrastructure Consulting —** Provide support for ISP/OSP fiber infrastructure, equipment deployments, fiber routing, splicing, testing, troubleshooting, network expansions, relocations, and decommissioning activities.
- **Power & Facility Infrastructure Consulting —** Support projects involving DC power systems, electrical distribution, backup power, generators, grounding and bonding, HVAC, utility coordination, equipment rooms, and supporting facility infrastructure.
- **Scheduling & Project Recovery —** Evaluate project schedules, dependencies, material availability, contractor performance, and field conditions to identify solutions for projects experiencing delays or execution challenges.
- **QA/QC & Project Acceptance —** Provide installation reviews, workmanship verification, testing coordination, punch-list development, corrective-action support, documentation review, and project acceptance/closeout assistance.
- **Problem Resolution & Emergency Support —** Assist clients with unexpected field conditions, equipment or material issues, contractor challenges, service restoration, infrastructure failures, and other situations requiring rapid technical and operational coordination.

FROM CONSULTING TO EXECUTION

IED Solutions offers clients the flexibility to engage our team strictly as a consultant and technical advisor or to expand our involvement into project management, procurement, construction management, prime contracting, installation, QA/QC, and project closeout when required.

This integrated approach allows IED Solutions to do more than identify project challenges—we can help develop the solution, establish the execution plan, coordinate the necessary resources, and support implementation through successful project completion.

PRIME CONTRACTOR / CONTRACTING MANAGEMENT

1. Preconstruction & Planning

- Review project scope, drawings, specifications, and client requirements.

- Develop the project execution plan and identify required trades and resources.
- Establish and maintain the project schedule, milestones, and sequencing.
- Coordinate site access, logistics, safety requirements, and other project prerequisites.
- Assist with project budgeting, cost planning, and identification of potential risks or constraints.

2. Procurement & Material Management

- Obtain vendor quotations and evaluate pricing, availability, and lead times.
- Select and coordinate qualified vendors and suppliers.
- Issue purchase orders and orders required materials, equipment, and project supplies.
- Track manufacturing, shipping, delivery dates, and material status.
- Manage shortages, damaged materials, substitutions, returns, and expedited procurement when necessary.

3. Subcontractor Management

- Solicit and evaluate subcontractor bids and proposals.
- Prequalify subcontractors based on licensing, insurance, experience, safety, capacity, and project requirements.
- Negotiate subcontractor scope, pricing, schedule, and commercial terms.
- Execute and administer subcontract agreements and purchase orders.
- Coordinate subcontractor mobilization, scheduling, access, and day-to-day work activities.
- Monitor subcontractor performance, workmanship, safety compliance, quality, and schedule.
- Review subcontractor invoices, change requests, and support documentation.
- Manage deficiencies, corrective work, punch-list items, and closeout requirements.

4. Project Management & Client Coordination

- Serve as the primary point of contact between the client, subcontractors, vendors, and project stakeholders.
- Conduct or participate in project coordination and progress meetings.
- Maintain project schedules and communicate progress, delays, risks, and required decisions.
- Manage RFIs, submittals, change orders, field issues, and project documentation.
- Coordinate inspections, testing, commissioning, turnover, and closeout documentation as applicable.
- Maintain records of project correspondence, approvals, deliveries, changes, and completed work.

5. Prime-Contractor Responsibility

- Contract directly with the client for the overall contracted scope.
- Coordinate and manage subcontractors and vendors necessary to complete the work.

- Invoice the client in accordance with the prime contract and approved changes.
- Administer payments to subcontractors and vendors in accordance with contractual requirements.
- Maintain required contractor licensing, insurance, bonding, and compliance obligations applicable to the project.
- Assume contractual responsibility for delivery of the contracted scope, including work performed by subcontractors, subject to the terms of the prime contract.
- Manage project quality, schedule, documentation, warranty, and closeout obligations required under the prime contract.

GENERAL BUILDING CONTRACTOR

- **PROJECT MANAGEMENT:** Coordinating, scheduling, overseeing subcontractors, site operations
- **TECHNICAL BUILDING KNOWLEDGE:** Ability to understand, advise, consult, inspect one or multiple trades of construction to include and not limited to Demolition, Foundation, Frame, Mechanical, Plumbing, Electrical, Insulation, Weatherproofing, Roofing, Finish
- **IMPLEMENTATION:** Ability to execute contracts containing one or multiple trades to include and not limited to Demolition, Foundation, Frame, Mechanical, Plumbing, Electrical, Insulation, Weatherproofing, Roofing, Finish
- **TECHNICAL DOCUMENTS:** Proficient in interpreting blueprints, engineering diagrams, special inspections, building permits/inspections; planning and execution phases
- **TROUBLESHOOTING/CRITICAL THINKING:** Ability to analyze complex problems, identify root causes of issues; determine correct and efficient courses of action to rectify issues
- **CODE COMPLIANCE**: Knowledge of NEC, OSHA safety standards, local building codes
- **SAFETY/CODE COMPLIANCE**: Proficiency in executing safe and code compliant working environments; managing risks commensurate with OSHA and industry specific safety standards; Ensuring all work is inspected and compliant with IBC, OSHA, local codes

GENERAL ENGINEERING CONTRACTOR

- **STRUCTUTAL KNOWLEDGE & FIELD APPLICATION**: Proficiency in understanding of building materials, structural design, engineering designs/diagrams, manufacturing processes and construction methods
- **IMPLEMENTATION:** Ability to execute contracts containing one or multiple trades to include and not limited to Earthmoving; Excavation; Trenching; Shoring; Underground Infrastructure to include but not limited to: Underground Utilities, Sewer Mains and Laterals, Underground Vaults, Soil Compaction, Aggregates, Paving, Lane Striping
- **TECHNICAL DOCUMENTS:** Proficient in interpreting blueprints, engineering diagrams, special inspections, Public Works permits/inspections; planning and execution phases
- **TROUBLESHOOTING/CRITICAL THINKING:** Ability to analyze complex problems, identify root causes of issues; determine correct and efficient courses of action to rectify

issues; Understand practical, hands-on limitations differing from theoretical designs; Adjust, plans based on evolving site conditions producing real-time solutions

- **CERTIFICATIONS:** Proficiencies alongside Heavy, Medium, Light Equipment Certifications with OSHA, PG&E, CAL FIRE, LOCAL UNION 3 (CA) to include and not limited to following equipment: bulldozer, skid steer, forklift, track dump, excavator, water truck, end dump, dump truck, wheel loader, compactor
- **CODE COMPLIANCE:** Knowledge of NEC, OSHA safety standards, local building codes
- **SAFETY/CODE COMPLIANCE:** Proficiency in executing safe and code compliant working environments; managing risks commensurate with OSHA and industry specific safety standards; Ensuring all work is inspected and compliant with IBC, OSHA, local codes

ELECTRICAL CONTRACTOR

- **SYSTEM INSTALLATION & REPAIR:** Expertise in installing, maintaining, and repairing high voltage panels, power distribution boards, transformers, inverters, rectifiers, conduit, wiring, lighting, and control systems.
- **TECHNICAL DOCUMENTS**: Proficient in interpreting blueprints, electrical schematics, wiring diagrams for planning and execution phases of installation
- **TROUBLESHOOTING/CRITICAL THINKING:** Ability to analyze complex problems, identify root causes of issues; determine correct and efficient courses of action to rectify issues
- **CODE COMPLIANCE**: Knowledge of NEC, OSHA safety standards, local electrical codes
- **SAFETY/CODE COMPLIANCE**: Proficiency in executing safe and code compliant working environments; managing risks commensurate with OSHA and industry specific safety standards; Ensuring all work is tested and compliant with NEC, OSHA, local codes
- **ESSENTIAL TESTING, TOOLS; TECHNIQUES:** Proficiency in usage of electrical tools: Wire strippers, pliers, screwdrivers, conduit benders, cable cutters, punches; proficiency in usage of all power tools related to electrical scope
- **TESTING EQUIPMENT:** Proficiency in usage of Voltmeters, ammeters, ohmmeters, circuit testers to test for functionality, malfunctions, efficiency

TELECOMMUNICATION & FIBER NETWORK CONTRACTOR

- **Rack & Stack Installations:** Professional deployment and installation of servers, network devices, cabinets, and telecom equipment.
- **Fiber Infrastructure Deployment:** Complete fiber optic installation services including backbone deployment, patching, termination, testing, and documentation.
- **DC Power Installation & Support:** Installation and maintenance of DC power systems supporting telecom and critical infrastructure environments.
- **Grounding & Bonding Systems:** Implementation of grounding and bonding systems designed to meet industry safety and performance standards.
- **FAP Installations:** Deployment and installation support for facility access points and related infrastructure systems.

- **Relay Rack Installations:** Installation and alignment of relay racks, seismic bracing, overhead support systems, and equipment mounting.
- **Cable Management Systems:** Structured cable routing and management solutions that improve airflow, organization, scalability, and maintenance efficiency.
- **Data Center Build-Outs & Expansions:** End-to-end support for new data center construction, upgrades, migrations, and expansion projects.
- **Structured Cabling Systems:** Copper and fiber structured cabling installations for enterprise, telecom, and mission-critical facilities.
- **Turnkey Deployment Services:** Comprehensive project delivery including planning, logistics, installation, testing, and final turnover documentation

Leadership & Key Team Members

SHAUN S. LEE / CEO & Co-founder

With over 30 years of experience in the telecommunications and fiber network industry, Shaun brings extensive technical, operational, and executive leadership experience to IED Solutions, Inc. Beginning his career as a field engineer, he progressed through increasingly responsible roles in project management and general management before becoming CEO. Throughout his career, he has led and supported complex telecommunications infrastructure projects, including large-scale U.S. Department of Defense (DoD) projects overseas. His expertise encompasses project planning, scheduling, procurement, implementation, and execution, providing IED Solutions with a strong combination of hands-on technical knowledge, project management experience, and executive leadership.

DAVID SUNGMIN LEE / Co-founder & COO

With 24 years of experience in the construction industry, David, Co-Founder and Chief Operating Officer of IED Solutions, Inc., brings extensive expertise in general building and electrical contracting. Holding both California B – General Building Contractor and C-10 – Electrical Contractor licenses, he provides strong technical and operational leadership across the company's construction and infrastructure projects. His experience supports the successful planning, coordination, and execution of complex projects while maintaining a strong focus on quality, safety, schedule, and client requirements.

FRED MIRAVET / General Manager

With more than 20 years of experience in telecommunications and infrastructure, Fred brings extensive expertise in managing complex network, facility, and data center projects. As General Manager of IED Solutions, Inc., his experience encompasses project planning and delivery, contract and vendor management, contractor oversight, procurement coordination, budgeting, scheduling, and project controls. Throughout his career, he has managed and supported projects involving fiber infrastructure, data centers, DC power systems, generators and backup power, HVAC, electrical utility services, facility improvements, equipment installations, site acquisition, and permitting. His combination of

technical infrastructure knowledge and practical project management experience enables him to effectively coordinate the commercial, technical, and operational requirements necessary for the successful delivery of complex infrastructure projects.

DANIEL LUDTKE / General Engineering Manager

With 15 years of experience in general engineering and construction, Daniel serves as General Engineering Manager for IED Solutions, Inc., bringing extensive technical and field expertise to the company's infrastructure projects. His experience includes new building construction, general engineering work, and emergency service restoration, with a strong focus on coordinating field activities and supporting safe, efficient project execution. He holds California A – General Engineering Contractor, C-21 – Building Moving/Demolition, and C-57 – Well Drilling Contractor licenses, further strengthening IED Solutions' ability to support a diverse range of construction and infrastructure requirements.

RONARLD RODRIGUEZ / Senior Project Manager

With 10 years of experience in project and contracting management, Ron serves as Senior Project Manager for IED Solutions, Inc., bringing extensive experience in federal contracting and government project delivery. Throughout his career, he has managed and supported numerous government projects as a prime contractor, with responsibilities encompassing project planning, budgeting, subcontractor and contractor supervision, contract administration, scheduling, and overall project execution. His background in federal contracting provides valuable experience in coordinating project requirements, managing resources and costs, and overseeing projects from initial planning through successful completion and closeout.

JAE SUK LEE / Project Manager (Electrical)

With 15 years of experience in electrical contracting and construction, Jae Suk serves as Project Manager (Electrical) for IED Solutions, Inc., bringing extensive experience supporting both new construction and existing building projects. As a California C-10 – Electrical Contractor license holder, he provides strong technical knowledge and hands-on project leadership throughout planning, coordination, installation, and project completion. Known for his proactive approach to scheduling and field execution, he works closely with project teams and trade partners to maintain quality, safety, and schedule requirements while consistently striving for efficient and timely project delivery.

ERIC ANGLIM / Project Manager (Telecom & Fiber Optic Network)

With more than 20 years of experience in the telecommunications industry, Eric serves as Project Manager (Telecom & Fiber Optic Network) for IED Solutions, Inc., bringing extensive expertise in fiber infrastructure, installation management, troubleshooting, and Quality Assurance/Quality Control (QA/QC). Over the past 12 years, he has overseen installation, maintenance, and quality operations across more than two dozen ILA sites, supporting both ISP and OSP metro and long-haul networks. His technical experience includes building deployments, fiber route construction and lateral span replacements, fiber

splicing, OTDR and OLTS testing, equipment installation and decommissioning, electrical implementation, and emergency power solutions. With a strong focus on installation standards, workmanship, testing, and quality assurance, he helps ensure projects are completed correctly, efficiently, and in accordance with technical and client requirements.

Industries We Support

- Data Centers
- Telecommunications
- Enterprise IT Facilities
- Colocation Facilities
- Network Infrastructure Providers
- Commercial Buildings
- Industrial Facilities

Why Choose IED Solutions

- **Experienced Technical Teams:** Highly skilled technicians with hands-on field experience in complex infrastructure environments.
- **Quality & Safety Focused:** Committed to maintaining high workmanship standards while following industry safety protocols.
- **Scalable Solutions:** Flexible deployment models capable of supporting projects of varying sizes and complexity.
- **Reliable Project Execution:** Efficient coordination, clear communication, and on-time project delivery.

Commitment to Excellence

IED Solutions is committed to delivering dependable infrastructure solutions that help customers maintain reliable operations, reduce downtime, and support future growth.

Contact Information

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Service Areas

Providing services throughout the United States with nationwide deployment capabilities.

“Building Reliable Infrastructure for the Future”

