Louis Berger provides a wide range of services to plan, engineer and deliver power infrastructure to meet the world’s growing need for cleaner, more cost-effective, and more reliable power and energy.

Our experts support energy development, power generation, transmission and distribution projects globally for national and regional governments, and private industry. Working with our clients on both technological innovations and practical application, we provide electricity where there is little, reduce environmental and social impacts, and improve energy efficiency and grid reliability.

Our services span the full project lifecycle—all while adhering to international and local standards for quality, health, safety and the environment.

**Specialized Expertise:**
- planning, permitting, and compliance
- engineering & design
- engineering, procurement and construction and design/build
- construction management
- operations & maintenance
- capacity building & technical assistance
- asset management
- public-private partnerships

**Services**
- Power Generation
- Transmission & Distribution
- Turnkey Power Solutions
- Renewables
- Hydropower
- Waste-to-Energy/Biomass
- Conventional Power
- Low Carbon/Energy Efficiency
- Fuels/Fuel Service
- Oil & Gas
- Emergency Power
Supporting the Power Project Lifecycle

Louis Berger’s expertise covers all phases of the power project lifecycle, crosses various generation types, and includes understanding of local conditions.

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<th>Generation</th>
<th>Transmission &amp; Distribution</th>
<th>Energy</th>
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<tbody>
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<td>Diesel/HFO</td>
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<td>Natural Gas</td>
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Turnkey Solutions

- Project Management
- Siting/Pre-Planning/Permitting
- ESIA/EIA
- Feasibility
- Design & Engineering
- EPC
- Construction Management
- O&M

Meeting the world’s growing need for cleaner, more cost-effective, and more reliable electricity and energy.
About Louis Berger

Louis Berger is a global multidisciplinary engineering and professional services corporation with annual revenues of $1 billion. Founded in 1953, Louis Berger has more than 6,000 employees in more than 50 countries throughout the world.

We operate globally as Louis Berger and through our specialty brands of Klohn Crippen Berger, Berger/ABAM, Ammann & Whitney and Hawthorne Services.
Louis Berger’s broad services range from customized turnkey power solutions for small-to-medium scale power plants to expert consulting services to support power generation facilities of any type and size.

**Solar Development, United States** | Louis Berger provides engineering services for large-scale solar development.

**Prime Power** | Louis Berger delivers customized, turnkey power plant solutions globally – from 1MW to 100MW.

**Hydropower Projects, Worldwide** | Klohn Crippen Berger and Louis Berger provide full engineering and environmental services for new and existing hydropower projects across the globe.
Transmission & Distribution

From initial concept to commissioning, Louis Berger plans and engineers transmission and distribution infrastructure. We handle projects of any size from mini-grids to substations to large-scale, extra high voltage transmission backbone.

Transmission

Transmission Line Siting, United States | Louis Berger provides siting and environmental services for transmission line planning throughout the United States.

Project Management for Transmission & Distribution Line Construction, India
Louis Berger provides consultancy for transmission and distribution line engineering and construction throughout India.

Town Electrification, South Sudan | Louis Berger completed electrification projects of market towns in South Sudan.

Substation and Distribution Infrastructure

Off-Grid Distribution Systems
Louis Berger provides engineering, procurement, construction, operations & maintenance of overhead and underground electrical distribution systems.
Turnkey Power Solutions

Louis Berger provides customized, turnkey power solutions for governments, utilities, and commercial clients worldwide, where rapid delivery of reliable power generation helps to meet electricity demand of communities and industry.

33MW Power Plant Upgrade, Afghanistan
Louis Berger upgrades power stations to improve efficiency, reliability, and safety.

30MW Fast-Track Power Plant, Afghanistan
Louis Berger provides customized turnkey power solutions in the world’s most challenging locations.

10MW Power Plant for Liberia Electricity Corporation, Liberia
Louis Berger’s turnkey power plant doubled the commercial power capacity in Liberia’s capital.

24MW Satala Replacement Power Plant, American Samoa
Louis Berger is designing and constructing a replacement power plant on American Samoa.
Louis Berger has a solid technical team consisting of PhD and MSc Engineers and experts in developing highly innovative solutions. We support project feasibility, project bankability, engineering, permitting, construction management and operations and maintenance.

**Renewables**

- **Solar**
  - Large-Scale Solar Development, Western United States | Louis Berger provides engineering services for large-scale solar development.
  - Photovoltaic Framing, United States | Louis Berger provides structural engineering design and framing for photovoltaic installations.

- **Wind**
  - Hybrid Concrete/Steel Wind Turbine Towers, United States | Louis Berger’s Berger/Abam developed concepts for turbine design for the National Renewable Energy Laboratory.
  - Wind Power Stations, Worldwide | Louis Berger helps develop wind farms worldwide.

- **Hydropower**
  - Hydropower Rehabilitation and Retrofit | Louis Berger and Klohn Crippen Berger are experienced in all aspects of the rehabilitation of dams and powerhouses.

- **Waste-To-Energy/Biomass**
  - Scalable Waste-to-Energy Power Plant, Romania | Louis Berger provides process integration and oversight for waste-to-energy and biomass power plants.
  - Feasibility of Energy Crops, United States | Louis Berger received an American Planning Association award for analysis on the feasibility of energy crops on federal lands.
For solar power projects, Louis Berger provides design and planning, and appraisal of projects in development. Louis Berger has developed more than 30 major projects worldwide reaching more than 100 MW. In the United States, we have provided local expertise for large-scale solar PV development.
In wind energy, Louis Berger has developed more than 20 major projects worldwide reaching 1,300 MW. We support project feasibility, project bankability, engineering, permitting, construction management and operations and maintenance.

Hybrid Concrete/Steel Wind Turbine Towers, United States | Louis Berger’s Berger/Abam developed concepts for turbine design for the National Renewable Energy Laboratory.

Wind Power Station, Nicaragua | Louis Berger helped develop a wind farm in San Juan del Sur, Nicaragua.

Jose Contreras Wind Farm, Moca, Dominican Republic | Louis Berger is helping develop a wind farm in Moca, Dominican Republic.
Hydropower

Louis Berger and Klohn Crippen Berger, a Louis Berger affiliate company, provides a complete range of integrated services for hydropower projects globally. Services include engineering and design for dams and intakes, water conveyance systems, pumped storage, powerhouses, geotechnical engineering, micro- and mini-hydro projects, and broader project services.

Small-Scale to Large-Scale
Louis Berger and Klohn Crippen Berger deliver hydro projects of all sizes.

Environmental Support, United States
Louis Berger supports the Federal Energy Regulatory Commission with hydropower licensing and environmental support throughout the United States.

About Klohn Crippen Berger
Klohn Crippen Berger has participated in large and challenging engineering projects worldwide since 1951. KCB offers a full range of engineering, geoscience and socio-environmental services to clients in a variety of sectors including oil and gas, mining, power and transportation and are currently working in 20 countries.
In this rapidly developing area, we apply technology expertise in organics recycling and waste processing and practical knowledge of building and operating power stations worldwide. We work to integrate leading-edge technologies to deliver power generated from biomass and waste fuel sources.

**Project Feasibility Assessment for an Advanced Material Recovery Facility, Romania**

Louis Berger provides feasibility assessment for waste-to-energy power plant expansions.

**Feasibility of Expansion of an Organic Waste Processing Facility, United States**

Louis Berger conducted a feasibility assessment for the expansion of the organics processing facility to include waste-to-energy and combined heat and power (CHP) generation.

**Feasibility of Energy Crops, United States**

Louis Berger received an American Planning Association award for analysis on the feasibility of energy crops on federal lands.
Conventional Power

Louis Berger offers comprehensive planning, engineering, and environmental support for power plants fueled by conventional fuel sources. In addition, for small-to-intermediate-scale power plants, we provide turnkey delivery from EPC through operations and maintenance.
Low Carbon/Energy Efficiency

Reducing energy consumption is the most-effective way to reduce electricity costs and adverse environmental impacts. Louis Berger works with clients to improve energy performance in their facilities, through facility design to adjustments during operations.

**El Coronil Solar Greenhouse, Andalusia, Spain** | Louis Berger provides engineering services for a greenhouse facility prototype.

**Energy Efficiency and Conservation Strategy, Missouri, United States** | Louis Berger designs energy efficiency and conservation plans for municipalities throughout the United States.

**Clean Technology Initiative, India** | Clean Technology Initiative to protect the Taj Mahal by reducing air emissions from industry.
Louis Berger supports the development of new fuel terminals and pipelines and provides turnkey delivery and operations of fuel storage, bulk fuel products, fuel issue and inventory, and fuel system maintenance.

Fuels/Fuel Service

- **Bulk Fuel Storage, United States** | Louis Berger provides bulk fuel storage facility construction and maintenance, either client-owned or Berger-owned.

- **Pol-e-Charki Brigade, Afghanistan** | Louis Berger constructed a fuel farm to supply the 33MW power plant.

- **Victory Base Complex East, Iraq** | Louis Berger provides fuel storage and supply (with used oil blending) to the 20MW power plant.
Oil and Gas

Louis Berger pioneers methods for offshore, nearshore, and onshore projects. By focusing on design and construction together, we offer innovative concepts that result in economical, durable, operational, and flexible marine and offshore facilities.

Dahbol Power Plant and LNG Terminal, India
Louis Berger’s Berger/Abam provides design and construction services for LNG facilities.

LNG Terminal, Louisiana, United States
Louis Berger’s Berger/Abam provides engineering expertise for large-scale terminals.

Hibernia Gravity-Based Production Structure, Canada
Louis Berger’s Berger/Abam was charged with monitoring and reviewing the design of this iceberg-resistant gravity based oil production structure (GBS).

Natural Gas Pipelines, United States
Louis Berger provides environmental planning and compliance services for pipeline siting and construction throughout the United States.

Dahbol Power Plant and LNG Terminal, India
Louis Berger’s Berger/Abam provides design and construction services for LNG facilities.

LNG for Combined Cycle Plant, El Salvador
Louis Berger provides engineering services for LNG facilities in emerging markets.