



Louis Berger Power KSA

شركة لويس بيرجر السعودية للطاقة



LBP KSA

Power Solutions for a Better World

Solutions for a better world



LBPKSA JOINT VENTURE

LBPKSA, a joint venture of Louis Berger Power and KFB Holding Group/EXAP Contracting, operates as an EPC power projects contractor to provide reliable and optimal power solutions and services in remote and off-grid locations. We form a synergistic team to offer new ideas and technologies for greater efficiency, productivity, and outreach in austere environments, with capabilities spanning traditional and containerized/modular power plants burning fuels to include natural gas and crude oil/HFO, as well as renewable power including solar/PV and wind.

LBPKSA combines one of the world's premier infrastructure engineering and program management firms, Louis Berger with KFB Holding, a Riyadh-based, family-owned business providing ISO certified manufacturing, contracting, construction and industrial services.

OUR SERVICES

- EPC Services
- Independent Power Producer Projects
- Lease and Rentals
- Operations and Maintenance

OUR SOLUTIONS

- Customized Power Solutions
- Turnkey Power
- Reliable Power
- Efficient Power
- Fast Power
- Reduction of Electricity Costs
- Power for Remote Sites
- Managing Multiple Sites
- Powering Economic Growth
- Emergency Power



WHO WE ARE

LOUIS BERGER POWER

Louis Berger Power is the EPC projects company of Louis Berger, an internationally recognized engineering firm specializing in infrastructure, program and construction management, environmental science, and economic development. Founded in 1953, Louis Berger has focused its core practice on infrastructure and capacity-building program delivery in the developing world and in emerging markets.

Louis Berger Power provides turnkey grid-connected and on-site power solutions through the application of thermal, renewable, and hybrid power technology. Our focus is emerging and frontier markets, island states, and remote locales where speed and reliability are valued. We offer turnkey project delivery, including engineering, procurement, and construction, along with operations and maintenance, while continuing to leverage the global reach and local expertise of the broader Louis Berger Corporation.

KFB HOLDING GROUP/EXAP CONTRACTING

KFB Holding Group has been a key architect of development of the infrastructure and economy in the Saudi region for over 30 years. A family-owned company based in Riyadh, KFB offers ISO-certified manufacturing, contracting, construction, and trading services. As longtime providers of cutting-edge solutions to the KSA region, KFB Holding Group is fully equipped to respond to the demands of a burgeoning Saudi market.

EXAP Contracting, a subsidiary of KFB Holdings Group, is an EPC power projects company specializing in electromechanical and civil contracting, as well as power rental and O&M services. EXAP Contracting is a turnkey provider of rapid turnaround service in the maintenance, repair, inspection, monitoring, and life assessment of motors, generators, transformers, steam turbines, gas turbines, and auxiliaries. EXAP Contracting possesses the following Integrated Management System (IMS) certifications for Quality, Environment, and Health & Safety best practices:



ISO 9001



ISO 14001



OHSAS 18001



OUR SERVICES

ENGINEERING, PROCUREMENT, CONSTRUCTION (EPC) SERVICES:

- Thermal power plants – HFO/crude oil, diesel fuel, and natural gas in both traditional power house and containerized/modular configurations
- Electric power transmission and distribution
- Renewable power – solar/PV and wind
- Smart grid technology

INDEPENDENT POWER PRODUCER (IPP) PROJECTS

- Power Purchase Agreements (PPAs)
- Build-Own-Operate-Transfer (BOOT)

LEASE AND RENTALS

- Power generation plant and equipment
- HVAC

OPERATIONS AND MAINTENANCE

- Power plants
- On-site electrical and mechanical systems

PROJECTS SHOWCASE



AMERICAN SAMOA

In September 2009, a tsunami destroyed the Satala Power Plant in Pago Pago, American Samoa. This natural disaster left approximately 30,000 residents with insufficient power and expensive temporary stopgap measures.

Under separate EPC and Design/Build contracts for the American Samoa Power Authority (ASPA), Louis Berger Power completed a project in May 2017 that involved engineering and design, procurement, construction, and testing and commissioning of the new plant and redevelopment of the entire site. The new plant will reduce ASPA's total plant life-cycle costs by supplying highly fuel-efficient, low-maintenance power generation equipment. The new equipment, combined with LBP technical support and training, will enable ASPA to reliably operate the power plant for years to come.

LIBERIA

Liberia's civil war devastated the country's infrastructure and left Monrovia, Liberia's capital city, without stable electric power. Under an emergency rehabilitation program funded by the U.S. Agency for International Development (USAID), a new power plant was required to provide more commercial power to Liberia on a fast-track basis. The plant required rapid delivery, with a schedule from contract award to inauguration in eight months.

Louis Berger Power delivered a 10MW turnkey power plant for Liberia Electricity Corporation at Bushrod Island within the accelerated schedule. Louis Berger provided all procurement, logistics services, and heavy construction, including the synchronization of the new power plant with an existing 5MW plant, fuel storage and supply, the testing, commissioning, and turnover of the new plant to Liberia Electricity Corporation, and the training of local workforce.



IRAQ

With JV partner Cummins Power Generation, Louis Berger Power designed and built six power plants on four US Military bases, including the largest expeditionary plant ever constructed for US Forces—a 74MW plant at Victory Base Complex-East. At our zenith, we operated and maintained 155MW in deployed capacity, performing new construction and installation of over 40km of 11kV in overhead distribution, 700,000 gallons of combined fuel storage, and support facilities and living accommodations for our staff of 160 personnel.

From March 2008 through December 2011, we converted 83.6 million gallons of fuel into 1,140 GWh of power for deployed forces, while saving millions of dollars in fuel costs by blending used engine oil into power plant fuel supply. In 2015, we returned to Iraq to serve again on Al Asad Airbase, where we currently provide a 10MW lease plant in installed capacity and operate and maintain the base-wide electrical distribution system.

AFGHANISTAN

Again with Cummins, Louis Berger Power's portfolio includes design and construction and/or operations and maintenance at 14 plants on 11 bases with a total installed capacity to date of more than 200MW. The plant sites and bases on which we have operated or are currently operating include: Camp Marmal in Mazar-e-Sharif, Forward Operating Base (FOB) Kunduz, Multi-National Base Tarin Kot (three plants), Kandahar Airfield, Camp Nathan Smith in Kandahar City, New Kabul Compound, Pol-e-Charki Afghan National Army Base, Bagram Airfield (two plants), the Afghan National Detention Facility contiguous with Bagram and FOB Dwyer in Helmand province.

PROJECTS SHOWCASE



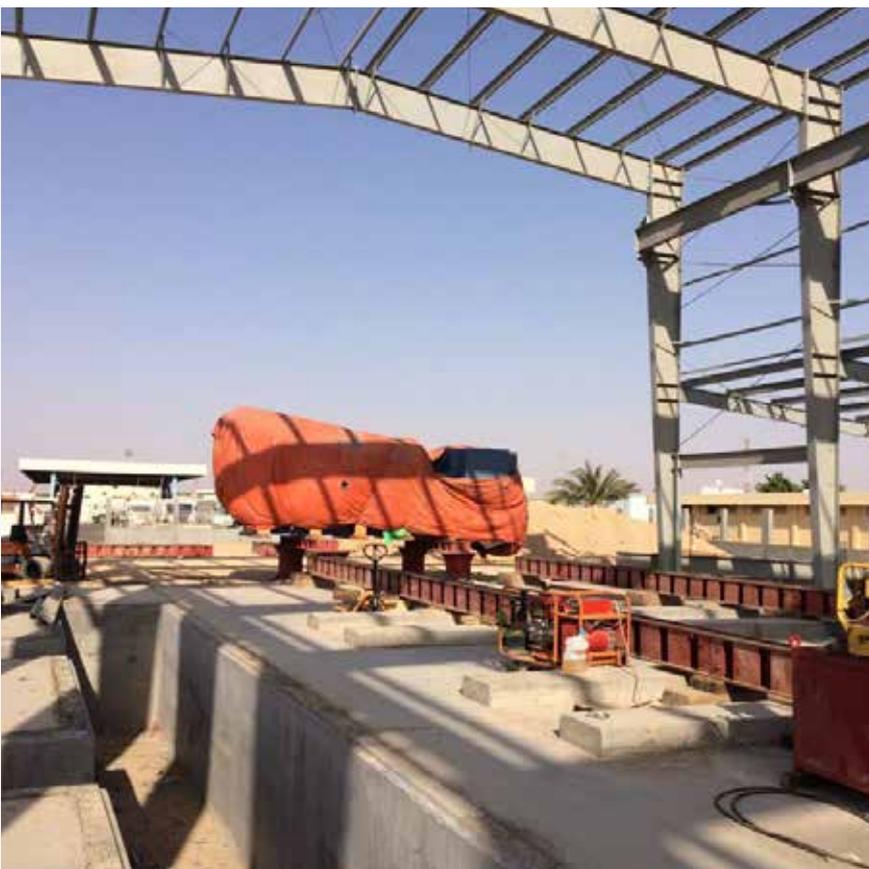
SPAIN

Louis Berger Power was selected to design a two-phase installation of the solar Power station in northern Coronil. Occupying over 90 hectares, Coronil is one of the largest projects of its kind in Spain. Louis Berger was engaged by Puntida-Caja Cantabria of Spain for Coronil I and UK-based Anemoi for Coronil II. Project highlights included a 30% increase in energy yield with 386 dual-axis trackers, 19,000 tons/year in CO₂ reduction, and the powering of 5,000 homes.



MEXICO

Louis Berger Power provided essential support to Mexican firm Impulsora Latin American Renewable Energy (ILER) and the Spanish electric utility company Iberdola for development and construction of two wind farms in the Mexican state of Puebla. Services included identifying potential sites, researching the local energy market, analyzing legal and financial feasibility, analyzing wind resources, and assessing possible business models. In addition, Louis Berger Power was responsible for managing land acquisition and construction, project planning and design, fundraising, processing permits and licenses, and performing environmental impact assessments. Project highlights include 120,000 tons/year in CO₂ and the powering of 70,000 homes.



SAUDI ARABIA

MINISTRY OF FINANCE

EXAP provides expansion and renovation services of a standby power generation station at the Al Haditha border for the KSA Ministry of Finance, and is currently engaged in the construction of a powerhouse and the supply of 4 units of 2500 kVA per unit, as well as switchgear, transformer, and power cables.

MINISTRY OF HEALTH

EXAP was awarded a contract by the Ministry of Health for the supply, installation, testing, commissioning, and O&M of a back power network in over 250 hospitals, clinics, and medical centers throughout Saudi Arabia. EXAP will supply open and canopied diesel generators, ATS panels, a fuel network, and cabling.

MINISTRY OF INTERIOR

EXAP provided supply, installation, testing and commissioning services to a back power network for the Ministry of the Interior at the northern Saudi border. EXAP supplied 62 canopied diesel generators.

SAUDI ARABIA

TECHNICAL AND VOCATIONAL TRAINING CORPORATION

EXAP was selected for a complete turnkey EPC contract by the Technical and Vocational Training Corporation (TVTC) to build a 40,200 square meter training college for the Energy and Water division. EXAP provides comprehensive construction services for the main administration building, six workshop buildings, one sports center, and 11 additional miscellaneous facilities.

NATIONAL GUARD HOSPITAL

EXAP was responsible for the supply, installation, testing and commissioning for the construction of an additional power station for the King Abdulaziz Medical City in Jeddah.





OUR MARKETS

AGRICULTURE

BUILDINGS & FACILITIES

DEFENSE & SECURITY

ECONOMIC & INSTITUTIONAL DEVELOPMENT

ENVIRONMENT

MINING & MINERALS

POWER & ENERGY

TRANSPORTATION

WATER

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