

**PCE CONSTRUCTORS, INC.
SELECTED PROJECT HISTORY**

Owner - Archer Daniels Midland Company
Columbus, Nebraska

Green Field ethanol plant (275,000,000 GPY) with additional grain processing and storage facilities. Work scope includes foundations (50,000CY), structural steel installation, equipment installation, and piping installation and electrical work for selected plant units.

Owner - Coffeyville Resources Refining & Marketing, LLC
Coffeyville, Kansas

Green Field CCR unit (17,000 BPD) adjacent to existing refinery and process unit. Work includes foundations, structural steel, mechanical installation including large compressors, piping, electrical and instrumentation. Work also included total refinery recovery work resulting from flood damage.

Owner - KOCH Nitrogen Company
Enid, Oklahoma

Expansion of existing Fertilizer Plant- Current work scope includes structural steel, miscellaneous work, and instrumentation.

Owner - Tetra Technologies, Inc.
El Dorado, Arkansas

Green Field Calcium Chloride Plant – Work scope includes underground installation, foundations, structural steel, piping, equipment installation, electrical, instrumentation and start-up/commissioning support.

Owner - Air Products and Chemicals, Inc.
Port Arthur, Texas

Installation of Heat Recovery Steam Generator (HRSG) and associated duct work from gas turbine direct to the burner duct. Work included all rigging, duct installation including 25ft x 25ft hydraulically driven guillotine valves, piping, critical code welding, in-line instrumentation, and specialties. Painting – subcontracted. A follow-up project included HRSG modifications and was performed on an outage basis.

Owner - Suez Energy Generation NA, Inc.
Choctaw Gas Generation, LLC
Ackerman, Mississippi

Completion of Choctaw Power Project (765 MW) – performed equipment installation, piping, critical code welding, electrical, and mechanical work items to complete the plant installation. Testing and boiler certification were also in the work scope. Provided instrument technicians to conform/confirm all control circuitry and instrument calibration. Assisted in commissioning and start-up activities.

Owner - Dyno Nobel, Inc.
Yazoo City, Mississippi

Relocate Existing Ammonia Plant (3300 Tons) – Work Scope includes: marking for reinstallation in Australia, deconstruct, preparation/packaging for ocean transport, and shipping to the Port of Mobile, Alabama a complete 300TPY Ammonia Plant.

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Owner - Premcor Refining Group (Now Valero)
Memphis, Tennessee

Green Field Diesel Hydro Treater Project (33,000 BPD). Work Scope includes: structural, mechanical, equipment installation/alignment, piping - including fabrication of small bore, electrical, instrumentation/controls, thermal insulation, heat tracing, and painting.

Owner - Desert Power, LP
Rowley, Utah

Power Plant Expansion (100 MW) – Existing simple cycle utilizing two (2) CGT/G units expanded to include HRSG and steam turbine-generator. Work scope includes: site work, foundations, underground installation, structural, mechanical, equipment erection/installation/ alignment, site buildings, all piping systems, thermal insulation, electrical, instrumentation, and painting.

Owner - Suez Energy Generation NA, Inc.
Hot Springs Power Company, LP
Malvern, Arkansas

Completion of Hot Springs Power Project (760 MW) – performed various piping, critical welding, and mechanical work items to complete the plant installation. Provide up to fifteen (15) instrument technicians to conform/confirm all control circuitry and instrument calibration. Assisted in commissioning and start-up activities.

Owner - NCRA Refinery
McPherson, Kansas

Green Field (Grass Roots) Project
Sulfur Recovery Unit No. 2

Mechanical, piping, electrical, and instrumentation installation including: receiving, setting and aligning all equipment (vessels, compressors, pumps); furnishing, fabricating and installing all piping systems; furnishing and installing heat trace, power and controls; electrical lighting and grounding; check all systems for completion; and provide support for commissioning and start-up activities.

Owner - Valero Energy Corporation (TPI Petroleum, Inc.)
Ardmore, OK Refinery

Performed equipment relocation from Delaware, civil and foundations, mechanical and piping work scopes for 18MW power generation unit.

Owner - Hyundai Motor Manufacturing Alabama (HMMA)
Montgomery, Alabama

Performed nine prime contracts including: Administration Office Building (3 floors – 98,000sf); Piping and mechanical Assembly Building; Piping and Mechanical Stamping/Welding Building; Pipe rack (trestle piping); Tank Farm foundations and mechanical; Stamping Building lighting; Stamping & Welding Building electrical; Energy Center electrical; and Energy Center mechanical and piping including 10 ea. – 2000 ton chillers, 7 ea. – 1000 hp air compressors and related equipment.

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Owner - LES – Lincoln Electric System
Lincoln, NE

Performed new construction of the following: (1) A complete GE Glegg water treatment system; (2) A complete Trane refrigeration system; (3) Above and underground piping to cooling towers; and (4) Provided equipment and installed a complete fuel oil system for 3 GE LM6000 turbines. This work included calibration, furnish, install and alignment of equipment and commissioning.

Owner - ANP – Owner/Alstom Power, Inc.
San Marcos (Hays County) Texas

Mechanical, piping, electrical, and instrumentation installation including: receiving, setting and aligning all equipment (vessels, compressors, pumps); scaffolding; furnishing fabricating and installing all piping systems; furnishing and installing heat (steam) trace, power and controls; electrical lighting and grounding; check all systems for completion; and provide support for commissioning and start-up activities for completion of a four (4) unit 1,000MW Power Station.

Owner - ChevronMobil Cleans Fuel Project
Pascagoula, Mississippi

Supplied supervision and craft labor (pipefitters, welders, riggers, and electricians) to Fluor Daniel for outage and turn-a-rounds in Area 81 – Distillation/RDS Modules, Area 83 – Coker, and Area 84 - VDU. In addition to standard piping systems, performed installation and welding of the following materials: Inconel (14" XXS), Stainless (up to 14" S/160), 5% and 9% Chrome (up to 14" S/160).

Owner - Southern Company/Gulf Power – Owner/Engineer
Southport, Florida

Total mechanical erection for this (520 MW) combined cycle power plant. Scope consists of two (2) General Electric 7FA CGT, one (1) General Electric Steam Turbine, and two (2) Vogt-NEM HRSG Units with all interconnecting and BOP aboveground piping, insulation, and painting.

Owner - Associated Electric Cooperative, Inc. – Installation Owner
SIEMENS Power Corporation – Client
St. Francis Project – Unit II
Campbell (Dunklin County) Missouri

1. Installation of Equipment – 250MW Power Generating Station - Equipment installation and erection including: A SIEMENS V84.3A Combustion TG Set-Single Shaft; one HP/LP steam turbine; clutch and condenser; auxiliary equipment to support turbine.
2. Foundation and Underground Installation – Scope includes furnishing and installing all foundations, including 2200 cy turbine pedestal, and underground piping systems – firewater, storm drains, water and process lines, fuel gas, sanitary sewers, and circulating water. All site electrical grounding and duct banks are also included. Site developed for a Siemens V84.3A Combustion TG set – single shaft: one HP/LP Steam turbine; and associated equipment.

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- Owner - ANP – Owner/Alstom Power, Inc.
San Marcos (Hays County) Texas
- HRSG Erection – Installation of four (4) ABB – CE Model ICS KA-24 Heat Recovery Steam Generators, all systems piping, access steel, stack, and ammonia injection system equipment and piping.
- Owner - LG&E - Owner
Louisville, Kentucky
- Mechanical erection for this Siemens Westinghouse V84.3A CGT, with hydrogen cooled generator, simple cycle plant.
- Owner - ANP-Owner/Alstom Power, Inc.
Midlothian (Ellis County) Texas
- HRSG Erection – Installation of two (2) ABB – CE Model ICS KA-24 Heat Recovery Steam Generators, all systems piping, access steel, stack, and ammonia injection system equipment and piping.
- Owner - Associated Electric Cooperative, Inc. – Owner
Chouteau Project
Pryor (Mayes County) Oklahoma
1. Green Field (Grass Roots) Project – 520 MW Power Generating Station -Equipment installation and erection including: two (2) Siemens V84.3A Combustion TG; one (1) HP/LP Steam Turbine and Generator, Condenser; auxiliary equipment; all steam, condensate, and service piping systems and supports; and all electrical and instrumentation.
 2. Underground Installation – Scope includes furnishing and installing underground piping systems – firewater, storm drains, water and process lines, fuel gas, sanitary sewers, and circulating water. All site electrical grounding and duct banks are also included. Site developed for a combined cycle power plant utilizing SIEMENS combustion gas (2)/steam (1) turbines.
- Owner - Cleco Evangeline LLC
Pineville, Louisiana
Coughlin Power Station
- Mechanical, electrical, and instrumentation installation for repowering Units 6 and 7 at the Coughlin Station in St. Landry Parish, Louisiana. Project includes all piping to three (3) new HRSG's. Scope of Work includes furnishing and installation of all piping, hangers, valves, ammonia system, electrical, and instrumentation.

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Owner - Associated Electric Cooperative, Inc.
St. Francis Project – Unit I
Campbell (Dunklin County) Missouri

1. Green Field (Grass Roots) Project – 250MW Power Generating Station –Equipment installation and erection including: A SIEMENS V84.3A Combustion TG Set-Single Shaft; one HP/LP steam turbine; clutch and condenser; auxiliary equipment to support turbine; all steam, condensate, and service piping systems and supports; and all electrical and instrumentation.
2. Engineering, procurement and fabrication services for critical piping systems including main steam, reheat, feedwater, and condensate. Detail piping design includes wall thickness, pressure drop, warm-up/cool down calculations, steam hammer, flexibility and thermal stress analysis and hanger/support requirements.

Owner - West Texas Municipal Power Agency (WTMPA)
City of Lubbock, Lubbock, Texas
J.R. Massengal Plant No. 2 Repower Project

Installation of Dino 4028 HRSG. Scope includes heavy rigging, equipment erection, ASME Section I piping, and electrical and instrumentation installation.

Owner - West Texas Municipal Power Agency (WTMPA)
City of Lubbock, Lubbock, Texas
J.R. Massengal Plant No. 2 Repower Project

Electromechanical installation work of GE LM6000 Aeorderivative Gas Turbine Generator and all associated skids.

Owner - West Texas Municipal Power Agency (WTMPA)
City of Lubbock, Lubbock, Texas
J.R. Massengal Plant No. 2 Repower Project

Perform all mechanical work for repowering existing steam units in Lubbock Power and Light's Plant No.2. Project includes all piping to new HRSG (above), new combustion turbine (described below), two existing 22 MW steam turbines, and two existing 11.5 MW Westinghouse Non-Reheat Condensing Turbines. Scope of Work includes furnishing and installation of all piping, valves, oil water separator, ammonia tank, sampling and analysis panel, instrumentation, pipe racks, platform installation, piping, and design of hangers.

Owner - Mississippi Power Corporation – Installation Owner
Pascagoula, Mississippi

Demolition of two (2) existing HRSG's and re-installation of two Deltak HRSG's. Fabrication and installation of main steam and boiler feedwater piping, and miscellaneous plant upgrade.

Owner - Alabama Electric Cooperative – Installation Owner
McIntosh, Alabama

Two (2) V84.2A SIEMENS 120 MW combustion turbine-generator units and associated plant equipment. Project scope included all underground systems, mechanical, rigging, piping, electrical and instrumentation work.

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- Owner - Kinetics Technology International Corporation
Mississippi Chemical Corporation
Yazoo City, Mississippi
1. Installation of Owner furnished vessels, compressors, process equipment and all process piping for grass roots ammonia plant. Included installation of SIEMENS turbine driven process air compressor Model GT-30034.
 2. Installation of Owner furnished structural steel, tanks, vessels, exchangers, package boiler, and rack piping for grass roots ammonia plant.
- Owner - BELCO Technologies Corporation
TransAmerica Refining Company
Norco, Louisiana
- EDV 6000 Air Pollution Control System – Furnish, fabricate, and install piping systems (carbon and stainless steel up to 30 inch), furnish and install electrical and instrument systems, install Owner furnished equipment including pumps, blowers, clarifiers, tankage, plate work (duct), filtering modules and two hundred foot stainless steel stack (13 ft - Ø).
- Owner - Brazos Electric Power Cooperative, Inc.
Randle W. Miller Units 2 & 3
- Turbine water induction prevention. Perform demolition of existing piping and electrical systems. Installation of new piping system and Bailey Controls system.
- Owner - Columbian Chemicals Company
- Carbon Black Process Unit - Work included procurement, fabrication, painting and erection of pipe, pipe support systems, and process equipment installation for new unit. Pipe size range ½"Ø - 72"Ø - carbon and stainless steel.
- Owner - Cajun Electric Power Cooperative, Inc.
1. Big Cajun II, Unit 1 and 2 Economizer Ash System Upgrade – Work involved ash handling conveyors, piping, surge tank and electrical controls/power.
 2. Big Cajun II, Unit 3 Economizer Ash System Upgrade – Work involved hopper and expansion joint installation, ash handling conveyors, piping, and surge tank. Major rigging including 350 Ton (375 feet of boom) crane work.
- Owner - Terrebonne Parish Consolidated Government
- Prime contractor for the installation of a 130,000 lbs./hr. Skid mounted boiler at the existing Steam Unit No. 14 in Houma, Louisiana. Scope included foundations, equipment erection, piping, electrical and instrumentation.
- Owner - Brazos Electric Power Cooperative, Inc.
Randle W. Miller Unit # 1
- Demolition and installation work to replace existing feed pumps, pump drivers, and re-circulating lines. The scope included foundations, equipment erection, piping, electrical, instrumentation, lead abatement, insulation, and painting.

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Owner - Texas Municipal Power Agency

Outage Work - Consists of three separate projects. Installing of sixteen deslaggers and related electrical, mechanical, instrumentation systems replacing silencers on the PA and PD fans, and duct to stack repair demolition and erection.

Owner - Martco Partnership

Various Projects at this grass roots plywood facility located in Chopin, LA.
Fabrication and erection of equipment, conveyors, stair feeders, structural steel and catwalks for the vat area, fabrication and erection of all hot water and hot oil piping for the entire facility, fabrication and erection of vat outfeed structural steel, fabrication and erection of catwalks from main building to energy plant, fabrication and erection of water screening conveyor, fabrication and erection of miscellaneous piping systems, fabrication and erection of panel patch conveyors, fabrication and erection of panel patch steel, and fabrication and erection of fuel re-entry conveyor.

Owner - Temple-Inland Forest Products Division

Installation of mechanical equipment, storage tanks and piping for this GAW designed and furnished coating kitchen.

Owner - Georgia Gulf Corporation
Plaquemine, Louisiana

Replace VCM Underground Drainage System
Install 5,000 feet of new concrete drainage trenches with cast iron covers, underground piping runs, imbedded pipe spools in existing sumps, over 3000 feet of carbon steel piping in existing racks, piping demolition, installation of owner furnished teflon lined piping system, concrete paving, and minor site work.

Owner - Union Tank Car Company
Baton Rouge, Louisiana

Performed LPG pipe rack installation and extensive rail car maintenance building expansions, including waste oil and hydrocarbon handling facilities.

Owner - Castrol Oil and Lubricants
Port Allen, Louisiana

Grass Roots Lube Oil Processing and Packing Plant. Scope included all concrete, dock height office/laboratory/packaging/warehouse building (250,000 SF), tanks, rail siding and tank car loading, bulk truck loading facility, pumps, piping, electrical, controls, packaging line installation, insulation and painting

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Owner - Kaiser Aluminum & Chemical Corporation
Gramercy, Louisiana

Active in Gramercy, LA plant for over twenty (20) years where work scope included concrete, structural steel, equipment installation, and piping. Representative projects include:

1. Slurry Mix Liquor Heating System
Piled foundations, relocate/renovate structural steel, and install heat exchangers, Grass roots unit.
2. Install GE Combustion Gas Turbine Generator and associated piping. Equipment installation and final alignment, power piping including spring hangers, heat treating and cold springs.
3. Desuperheating Station
High temperature (1000 F), high pressure (1100 PSIG) steam lines including installation of owner furnished weld-end valves and specialties - NDT included 100% radiography to ASME 31.1 and hydro testing.
4. Dust Control System
Plate, structural steel, piping, and carbon steel duct work installation - land and river dock based installation. Work required complex dock access scheduling around ship movements.

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Owner - LaRoche Chemicals Inc.
Baton Rouge & Gramercy, Louisiana

Multiple projects over a twenty (20) year period included:

1. Spare Rectifier Bus Installation - Furnish and install foundations, structural steel and miscellaneous fabrication to support and install new 50,000 AMP aluminum Bus system. Tie-in (aluminum welding) existing Bus systems to new rectifier.
2. Boiler Installation/System Modifications – Demolition of two (2) HRSG Units, salvage burner units, install new slant tube boiler assemblies, ducts, stacks, structural steel, and replace E&I systems. Interconnecting piping to ASME Boiler Code. HRSG Vendor – Deltak.
3. Power House Instrumentation Upgrade – Installation of all new electrical and instrumentation equipment associated with (4) four heat recovery boiler systems. Design and installation of new marshalling panels, setting of all owner furnished equipment including new Bentley Nevada cabinet, Mark V Turbine control panels, boiler management PLC panels, inverters and battery charger system.
4. Chlorine Feeder Electrical Installation – Installation of three (3) new power feeders rated 15KV-500 MCM from main plant switchgear to powerhouse building. New pre-fabricated supports in existing steel structure to accommodate new four inch conduit installation. All testing, terminations, and stress cone applications.
5. Residual Chlorine Removal
Concrete trenches with epoxy lining, equipment installation, and CPVC / Steel / Stainless / Piping Systems.
6. Calcine Grinding Project
Engineering and construction of grass roots grinding facility - Drilled footings up to 7 FT. diameter, concrete foundations, ball mill installation - 800 HP, design and field erect 1200 ton partitioned storage tank, blowers, feeders, bucket elevators, pneumatic conveying system, power electrical and controls.
7. Refrigerant Project
Fast track grass roots 141B refrigerant production plant. Concrete foundations, structural steel, siding, owner furnished process equipment installation - including columns, heat exchangers, centrifugal chillers, process vessels, pumps, and carbon steel and monel piping systems.
8. Evaporator Train Caustic-Chlorine Unit
Work included retrofitting a larger evaporator body, new and modified nickel ductwork and circulating pump, new access and support steel, insulation and painting for this Zaremba Systems Unit. Work was performed on an emergency schedule.
9. New Refrigerant Pilot Plant
Work involved building modifications, fabrication and erection of equipment structures, installation of process piping, power equipment and wiring, and instrumentation and controls. Fast track with engineering process.
10. Brine Treating System

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Piping, mechanical, electrical, and structural steel to upgrade brine treating and finishing units.