

Engineer, Procure & Construct Project Profiles



Committed to providing cost-effective solutions that make you more effective!

E.ON US - Kentucky Utilities

Briar Hill Substation Installation—Lexington, KY

- Utility grade substation 69kV-4.16kV for US Bluegrass Depot
- Specification, design, engineering, bid assembly and purchasing of all substation material and labor to construct a utility grade substation that would accommodate a future 2-transformer, double 22.4 MVA, 69-12.47kV transformers designed to operate at 4.16kV to match present distribution system
- Coordinate, provide project management for quality design, specification and construction
- Provide onsite construction supervision of contractor labor and material
- Material delivery and control, with cost budget control for utility approval
- Specification and purchase of new all-inclusive concrete aggregate control building specified and equipped with basic facilities and equipment for control and protection of station and equipment
- Coordination with various groups for integration and placement in service for replacement and upgrade of customer-owned feeders



E.ON US—Kentucky Utilities

Hardin County Substation—Lexington, KY

- 345kV Substation Expansion to allow for an additional 345kV circuit, new control house, and upgrade to station design and protection for the new circuit to be brought in by the Utility
- Perform design, specification, engineering, purchase of all equipment with exception of circuit breakers and control wiring which was provided by Utility for installation of double-345kV ring bus for greater reliability and flexibility on EHV system
- Provide specification bid package for below grade and above grade contractors
- Provide Project Management and Onsite Construction Supervisor to coordinate and execute construction and in-service coordination with the Utility to meet the in-service cut-in schedule established by Utility



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Ford Motor Company

Sharonville, OH

- 69kV substation expansion to allow for additional 69kV circuit to be brought in by Utility
- Transformer and circuit breaker pre-purchased by client
- Perform design, provide drawings and obtain proper approvals
- Coordinate with local Utility
- Provide modifications to existing equipment including new blast wall for existing transformer
- Provide full time site supervisor to manage safety, sub contractors and material receipt and management



Engineer Procure Construct Project Profiles (continued)

Florida Power & Light—Port Everglades

Unit 1—Ft. Lauderdale, FL

- Design, construction and testing including dual ended 480V load center and transformers, and 480V motor control center
- Retrofit design of equipment, installed in same location with matching footprint of existing equipment
- Connect new equipment to existing plant electrical systems
- Prepare foundations and conduit connections to accept new equipment
- Review existing system drawings and prepare interface design with existing plan power control and metering functions
- Provide project management, coordination, testing, commissioning and update drawings



Regency Centers—Sycamore Plaza

Kenwood Mall—Cincinnati, OH

- Response to catastrophic failure of 2500kVA transformer
- Provide and install generator to restore temporary power while procuring solution
- Perform power quality analysis to assess cause and determine solutions
- Procure, expedite, install and commission 3750kVA 34.5kV-4.16kV oil filled transformer to replace failed unit, including rigging and disposal of failed unit
- Specify, supply, install and test 23kV outdoor lightning arresters and 5kV lightning arresters for switch lineups
- Provide parallel 350KCMIL shielded cable from new transformers into 5kV bus lineup
- Replace 5kV Feeder and perform associated cable testing
- Review existing drawings and provide new as-left drawings with PE approval

