

E-HOUSE BUILDER QUALIFICATIONS



Bath Group, LLC can manage turn-key design and installation of E-Houses for all power distribution needs from concept development through start-up.



OUR EXPERIENCE

Bath has successfully completed the design of Power Distribution Centers (PDCs) for both industrial and commercial applications. Our PDC designs encompass all major power distribution equipment and voltages. These projects often involve complex control schemes, such as fast bus transfers and microgrid controls

Bath also specializes in the retrofit and upgrade of brownfield power systems. Our expertise covers low, medium, and high-voltage (LV, MV, HV) systems, including relay upgrades, power studies and power generation.

OUR PROCESS

✓ DEFINE

- PLANT AND BUILDING POWER REQUIREMENTS
- SITING OF THE BUILDING
- INTERCONNECTION TO THE SOURCE & PLANT LOAD
- SPECIFICATION OF BUILDING TYPE
- SPECIFICATION OF BUILDING MATERIALS
- ONLINE AND PROTECTION
- ESTABLISH BUDGET AND COSTING

✓ DESIGN

- LAYOUT FOR CODE COMPLIANCE & OPERATION NEEDS.
- SELECTION OF ALL EQUIPMENT AND PROTECTION
- SIZING AND SELECTION OF EQUIPMENT
- FOUNDATIONS AND SUPPORTS
- CABLING RACEWAYS TO SOURCE AND LOADS
- HVAC SIZING AND CONTROLS
- AREA CLASSIFICATION
- ELECTRICAL MODELING – LOAD FLOW, SHORT CIRCUIT, COORDINATION, AND ARC FLASH STUDY
- RELAY FILES

✓ PROCURE

- RFP FOR ALL EQUIPMENT
- PROPOSAL EVALUATION
- LONG LEAD EQUIPMENT ORDER
- BUILDING ORDER
- FACTORY INSPECTIONS
- BID TABULATION FOR ALL MAJOR EQUIPMENT AND BUILDINGS (3 OR MORE BIDS)

✓ CONSTRUCT

- SITE DEVELOPMENT – CIVIL
- GROUNDING SYSTEMS
- FOUNDATIONS – STRUCTURAL
- BUILDING INSTALLATION
- BUILDING INSPECTION
- FIELD CONSTRUCTION OVERSIGHT

✓ TEST, COMMISSION, AND START UP

- SUBCx AGENT
- EQUIPMENT FAT (FACTORY ACCEPTANCE TESTING)
- NETA TESTING AND COMMISSIONING
- SCADA
- FINAL AS-BUILTS AND INSTRUCTION MANUALS



QUESTIONS? CONTACT US.

Bath
GROUP

A  Saber Power Company

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