

**BODEC, Inc.** is a full service, industrial electrical construction firm operating throughout the Intermountain West since 2007. With our roots in electrical engineering, we are experienced in providing customized EPC (Engineering, Procurement, and Construction) experiences for our clients who are looking for turn-key solutions. From conceptualizing to planning and design, permitting and project coordination, procuring equipment, installation, and project close-out, BODEC can help control costs and reduce turnaround time. Our “in-house” civil construction group also allows us to self-perform excavation, piping, concrete, and general construction.

## **EPC services are offered in the following areas:**

### **I. Control/Automation Systems**

- Industrial Control and Relaying Schemes
- Protective Relays Integration/Programming
- Programmable Logic Controllers Applications
- Communication Protocols (Networks)
- Operator Interface Terminals

### **II. Power Distribution/Transmission/Generation**

- Industrial, Utility, Mining and Commercial
- High, Medium, Low Voltages
- Substation Design and Site Evaluation
- Line Design and Route Selection
- On-Site Stand-By Generation
- Automatic Transfer Schemes/UPS Systems
- Utility Paralleling Systems
- Custom Switchgear Designs
- Power Quality Site Surveys
- Trouble Shooting and Diagnostics
- System Planning and Design
- Lighting Protection
- Design Schemes Energy Monitoring and Management System

### **III. Project/Construction Management**

- Develop Procedures, Schedules, Critical Dates and Project Milestones
- Supervise Start-Up and Commissioning of all Designed Systems
- Site Inspection/Progress Reporting
- Technical Support (On-Site/Remote)
- Create Comprehensive Maintenance and Service Schedules for all Installed Equipment

### **IV. Power System Analysis**

- Short Circuit Fault Studies (Protective Device Evaluation)
- Protective Device Coordination
- Load Flow
- Power Factor Correction
- Grounding
- Transient Coordination
- ETAP PowerStation 4.7.4C Software
- Feasibility
- Safety Audits

### **V. Rate Studies/Feasibility Studies/Cost Estimates**

## VI. Field Investigation/Site Surveys

## VII. Equipment/Materials Specification

- Binding Documents Preparation
- Submittal Reviews
- Cost Evaluation

## VIII. Lighting System Design and Control

With over 75 employees, licenses in seven states, and branch locations in Utah, Wyoming, and Idaho, BODEC primarily services heavy industrial, renewables, utility & municipality, mining (coal, metal, & non-metal), oil and gas, power delivery clients with medium to high voltage projects. Typical projects include:

- Substation Design, Construction, Repair, and Preventative Maintenance & Testing
- Transformer Testing (Pad Mount / Dry Type)
- Electrical Troubleshooting and Repair
- Power Line Construction
- High – Medium – Low Voltage Distribution
- Project Management
- Power Factor Correction – Capacitors
- Lighting Maintenance – Repair, Replace, Retro Fits
- MSHA Electrical Compliance Audits and Thermal Imaging
- Motor Control Centers
- Power Quality and Back-Up Systems
- Fiber-Optic Repairs
- Switchgear Line-Ups and Panel Boards
- Industrial and Process Controls
- Service Agreements

### Projects managed through:



Communication is the key to a project's success. BODEC crews operate our projects through Procore construction software. Procore provides mobile collaboration tools built for the field. Clients are invited (given access) to the project and appreciate the visibility to project progress through Daily Logs, pictures, and can email BODEC project supervisors directly.

Our supervisors and crews utilize it to ensure everyone understands what needs to be accomplished on a day-to-day basis. It also provides Document Management Tools to control revisions and make sure crew members are opening the latest version of any document.

### Cost Control:



Real-time variances from the cost estimates are measured and tracked utilizing analytics from our business application package, SAP Business One. This allows us to quickly implement corrective actions to minimize cost overruns.