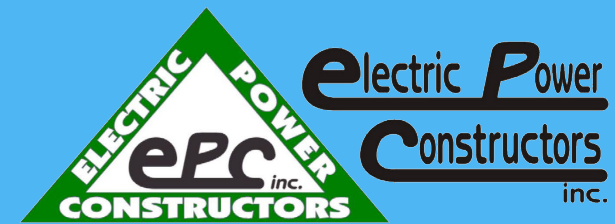


All testing, maintenance, and commissioning projects are overseen by a licensed professional electrical engineer with over 10 years' of relevant experience.

EPC's testing, maintenance, and commissioning group can save you time and money while avoiding unnecessary downtime by helping ensure your equipment is in top condition.



*EPC's Testing, Maintenance, and Commissioning Group Regularly Delivers a Broad Spectrum of Services to Public and Private Utility, and Industrial Clients in a Number of Markets*

Electric Power Industry

Water and Wastewater Processing

Industrial Processing Equipment

Petroleum Industry

Mining, Seafood, and Service Industries



Complete testing, maintenance and service of electric power system equipment and systems from prime power generation to distribution substations

Power plant and substation startup and commissioning

Soil resistivity and ground grid testing

Troubleshooting and Repair

Preventative maintenance development and implementation

Code, standard, specification, and compliance evaluation

Regulatory compliant safety, standard, and maintenance training

On-site employee training

**ELECTRIC POWER CONSTRUCTORS, INC.**

3305 Arctic Blvd. Suite 201

Anchorage, Alaska 99505

Tel: (907) 522-1953

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Email: [epc@epconstructors.com](mailto:epc@epconstructors.com)

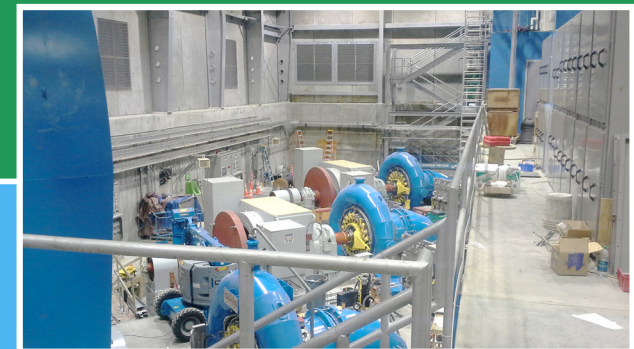
*Industry Standard  
Professional Engineer-led  
Testing and Maintenance of  
120V-230kV Equipment by an  
Industry Leader*

**Maximize the life of your equipment  
and safety of your employees**

**Minimize unscheduled downtime and  
unexpected catastrophic failures**

**Get the most from your equipment  
and infrastructure, provide the best  
possible service to your clients**

**Electric Power Constructors, Inc.  
Testing, Maintenance,  
and Commissioning Group**



**A sampling of the services offered by EPC's Testing, Maintenance, and Commissioning Group includes:**

### ***Power Plant and Substation Startup & Commissioning***

- Relay element and I/O testing
- Relay settings and setting review
- Switchgear and communications equipment testing and checkout
- Equipment energization checks

### ***Transformers***

- 5 kVA-70 M liquid-filled and dry-type
- Evaluation of damage
- Complete maintenance, repair, testing, retrofit, and modification

### ***Manufacturing***

- Custom Glastic pieces
- Copper buss bending and manufacturing



### ***Battery Bank***

- Sizing and installation
- Electrical testing: temperature, intercell strap resistance, voltage, impedance, and specific gravity
- Complete battery service

### ***Soil Resistivity and Ground Grid Testing***

- Wenner 4-point testing for engineering studies
- Ground grid/rod compliance testing

### ***Generator***

- Installation, start up, and repair of governor control and excitation systems
- Electrical testing: Doble power factor, insulation resistance, sweep frequency response, winding resistance, internal inspection, load bank testing

### ***Preventive Maintenance Program Development***

- Development of manufacturer compliant preventative maintenance programs
- Safety, and standard classroom and field instruction relevant to infrastructure and needs



### ***Industrial, Utility, and Commercial Services***

- In-service infrared testing of any electrical or mechanical equipment
- Arc flash and coordination studies
- Low-voltage switchboard testing and maintenance
- Cable Testing: insulation resistance, VLF, and Hi-potential
- Equipment specification review
- Client representation at factory testing
- Represent an extensive list of manufacturers for installation, troubleshooting, and repair purposes
- Variable frequency drive startup and troubleshooting

### ***Circuit Breakers (120V-230kV)***

- Complete manufacturer, and industry standard recommended maintenance
- Primary and secondary injection on low voltage breakers
- Hi-potential
- Timing and travel on MV and HV breakers
- Lubrication
- Trip unit replacement and setting
- Repair and troubleshooting
- Automatic racking and training
- SF6 filling and analysis

### ***Code, Standard, Specification, and Compliance Checks***

- NEC, NESC, NFPA 70E, MSHA, IEEE, NETA, and customer supplied specifications

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