

# ELECTRICAL RELIABILITY SERVICES

Directory of Locations and Services



## OVERVIEW

### Vertiv™. The Experts in Electrical Reliability.

Whether you're faced with the challenges of reliably starting up a new facility, maximizing the performance of existing operations or extending the life of an aging plant, asset optimization is critical to achieving your goals.

Vertiv's Electrical Reliability Services team delivers world-class services and innovative technologies to increase the availability and performance of your critical assets. The result: improvements to your bottom line.

Our service professionals are experts in their fields and ready to serve your needs. With Vertiv as your partner for asset optimization, you'll be on the path to realizing the true potential of your critical assets.



### Electrical power failure is not an option

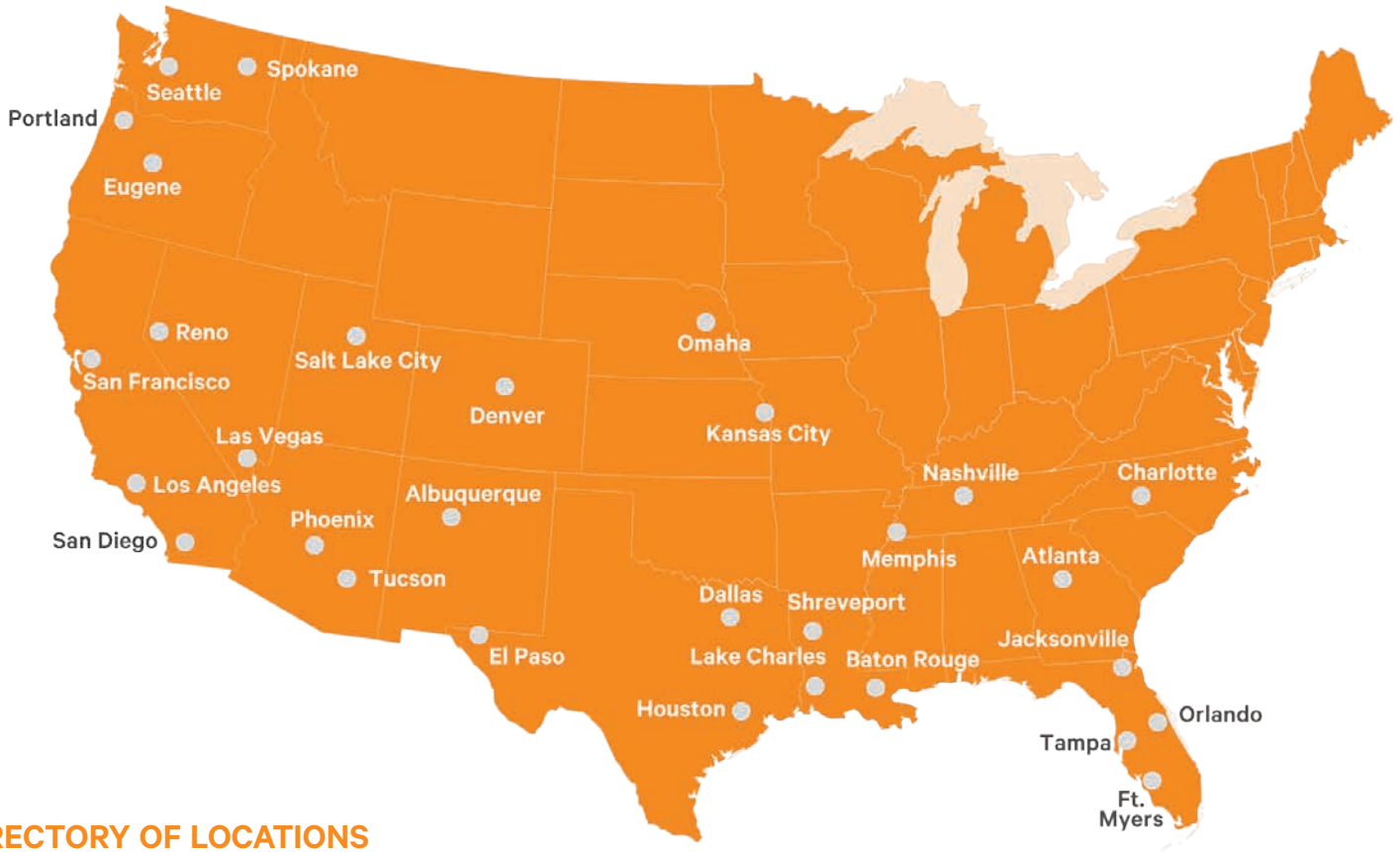
Electrical power is the pulse of your plant. It's vital to your operations, but also dangerous and costly. When your electrical assets fail, profits and people can suffer.

Our goal is to provide long-term support relationships that deliver the results you need. Our unique approach to asset optimization includes benchmarking and jointly formulating your plan, and working with you to implement it for maximum return.

We provide complete life cycle support for your entire electrical distribution system including:

- Generating stations, substations
- Transformers, PDUs
- Switchgear, circuit breakers, panelboards
- Relays, meters, protective devices
- Drives, motors, starters
- Transmission, distribution and DC systems
- UPS, batteries, generators, automatic transfer switches
- Cables
- Grounding

# ELECTRICAL RELIABILITY SERVICES



## DIRECTORY OF LOCATIONS

In North America, rely on Vertiv™ to deliver the most complete solutions for electrical system reliability and safety. From testing for problems that could disable your system, to complete turnaround execution, you'll quickly understand how we are the single-source solution for all of your electrical reliability needs. With a network of more than 30 service locations in the United States, the Electrical Reliability Services team puts experienced professionals where you need them, when you need them. We'll help you build reliability programs from the beginning to get your process or plant moving toward maximum capacity and minimal risk of unexpected delays.

### Arizona

Phoenix Area Service Center  
1775 W University Drive  
Suite 128  
Tempe, Arizona 85281  
PH: (480) 966-4568  
FAX: (480) 966-4569

Tucson Area Service Center  
PH: (520) 572-6235

### California

Los Angeles Area Service Center  
10606 Bloomfield Avenue  
Santa Fe Springs, California 90670  
PH: (562) 236-9555  
FAX: (562) 777-8914

San Diego Area Service Center  
5909 Sea Lion Place, Suite C  
Carlsbad, California 92010  
PH: (858) 695-9551  
FAX: (858) 695-0861

San Francisco Area Service Center  
6900 Koll Center Parkway, Suite 415  
Pleasanton, California 94566  
PH: (925) 485-3400  
FAX: (925) 485-3436

### Colorado

Denver Area Service Center  
7100 Broadway, Suite 7E  
Denver, Colorado 80221  
PH: (303) 427-8809  
FAX: (303) 427-4080

### Florida

Ft. Myers Area Service Center  
11000 Metro Parkway, Suite 30  
Ft. Myers, Florida 33966  
PH: (239) 693-7100  
FAX: (239) 693-7772

Jacksonville Area Service Center  
13350 International Parkway  
Suite 102  
Jacksonville, Florida 32218  
PH: (904) 437-6103  
FAX: (614) 410-0657

Orlando Area Service Center  
7600 Southland Boulevard  
Suite 100-469  
Orlando, Florida 32809  
PH: (407) 246-0058

Tampa Area Service Center  
PH: (813) 225-3426

Whether it's an emergency or an ongoing project, you need a service partner who can respond where and when you need them. With strategically located service centers across the U.S., you'll receive local response with nationwide capability.

### Georgia

Atlanta Area Service Center  
2275 Northwest Parkway SE  
Suite 180  
Marietta, Georgia 30067  
PH: (770) 541-6600  
FAX: (770) 541-6501

### Louisiana

Baton Rouge Area Service Center  
3535 Emerson Parkway, Suite A  
Gonzales, Louisiana 70737  
PH: (225) 621-8760  
FAX: (225) 621-8761

Lake Charles Area Service Center  
245 Hood Road  
Sulphur, LA 70665  
PH: (337) 583-2411  
FAX: (337) 583-2410

Shreveport Area Service Center  
9636 St. Vincent's Avenue, Unit A  
Shreveport, LA 71106  
PH: (318) 869-4244

### Missouri

Kansas City Area Service Center  
400 NW Capital Drive  
Lee's Summit, Missouri 64086  
PH: (816) 525-7156  
FAX: (816) 524-3274

### Nebraska

Omaha Area Service Center  
PH: (816) 525-7156

### Nevada

Las Vegas Area Service Center  
6351 Hinson Street, Suite B  
Las Vegas, Nevada 89118  
PH: (702) 597-0020  
FAX: (702) 597-0095

Reno Area Service Center  
1380 Greg Street, Suite 216  
Sparks, Nevada 89431  
PH: (775) 746-4466  
FAX: (775) 746-4469

### New Mexico

Albuquerque Area Service Center  
8500 Washington Street NE,  
Suite A-6  
Albuquerque, New Mexico 87113  
PH: (505) 822-0237  
FAX: (505) 822-0217

### North Carolina

Charlotte Area Service Center  
6135 Lakeview Road, Suite 500  
Charlotte, North Carolina 28269  
PH: (704) 441-1497  
FAX: (614) 410-8427

### Ohio

Corporate Headquarters  
610 Executive Campus Drive  
Westerville, Ohio 43082  
PH: (877) 468-6384  
FAX: (614) 410-8420

Vertiv Academy  
530 Westar Blvd.  
Westerville, Ohio, 43082  
PH: (775) 746-8484

### Oregon

Portland Area Service Center  
4099 SE International Way  
Suite 201  
Milwaukie, Oregon 97222  
PH: (503) 653-6781  
FAX: (503) 659-9733

Eugene Area Service Center  
1574 Coburg Road  
PMB #202  
Eugene, Oregon 97401  
PH: (541) 747-9782  
FAX: (541) 744-7627

### Tennessee

Memphis Area Service Center  
675 Stratford Road  
Memphis, Tennessee 38122  
PH: (901) 683-8334  
FAX: (901) 683-8745

Nashville Area Service Center  
5133 Harding Pike, B-10 #285  
Nashville, Tennessee 37205  
PH: (615) 476-1710  
FAX: (614) 410-0981

### Texas

Dallas Area Service Center  
717 Taylor Drive  
Plano, TX 75074  
PH: (214) 218-2794  
FAX: (281) 241-2801

El Paso Area Service Center  
1057 Doniphan Park Circle  
Suite A  
El Paso, Texas 79922  
PH: (915) 587-9440  
FAX: (915) 587-9010

Houston Area Service Center  
1426 Sens Road, #5  
La Porte, Texas 77571  
PH: (281) 241-2800  
FAX: (281) 241-2801

### Utah

Salt Lake City Area Service Center  
9736 South Sandy Parkway  
500 West  
Sandy, Utah 84070  
PH: (801) 561-0987  
FAX: (801) 561-0873

### Washington

Seattle Area Service Center  
2222 West Valley Highway N  
Suite 160  
Auburn, Washington 98001  
PH: (253) 736-6010  
FAX: (253) 736-6015

East Washington Area  
Service Center  
Rathdrum, Idaho 83858  
PH: (208) 687-4347  
FAX: (208) 687-4477

## Commissioning and Startup

- Equipment installation
- Acceptance testing and calibration
- Full life cycle commissioning
- LEED commissioning
- Commissioning plan development
- Project management
- Performance baselining
- Integrated systems testing
- Code compliance evaluation
- Personnel training

## Electrical Maintenance Services

- Maintenance planning and program development
- Turnaround and outage support
- Preventive maintenance
- Periodic inspection, cleaning and lubrication
- Equipment calibration
- Emergency response and recovery services
- Electrical system troubleshooting and repair
- Transformer vacuum filling
- Insulation oil filtration

## Electrical Testing Services

- Standby and emergency system testing
- High potential testing
- Cable fault location
- Ground fault testing
- Ground resistance testing
- Breaker time travel analysis
- Power quality/line disturbance analysis
- Battery testing
- Voltage/load recording
- Load bank testing
- Magnetic field (EMF) testing and mitigation
- Contact resistance testing

- Insulation resistance testing
- Insulation power factor testing
- Motor surge comparison testing
- Transformer turns ratio testing
- Winding resistance testing
- Frequency response analysis
- VLF testing

## Online Predictive Diagnostics

- Equipment inspection
- Infrared/thermography
- Partial discharge testing and monitoring solutions
- Ultrasonics
- Oil analysis

## Engineering Services

- Short circuit and coordination studies
- Arc flash solutions
- Single-line diagram development
- Power quality studies
- Harmonic analysis
- Transient stability studies
- Load flow analysis
- Power factor studies
- Grounding studies
- Voltage imbalance/regulation studies
- Power system reliability studies
- Reliability centered maintenance studies (RCM)

## Power System Protection Services

- Power system studies
- System logic and control settings
- Protective system functional testing
- End-to-end testing
- Relay maintenance and calibration
- Relay design/integration

- Fault analysis/troubleshooting
- NERC compliance services
- Turnkey relay retrofits, upgrades, and replacements

## Life-Extension Services

- Modernization of outdated and under-rated equipment
  - 480v circuit breaker retrofits
  - 2400v to 15000v circuit breaker upgrades (vacuum, SF6)
  - Fused switches
  - Static exciter retrofit
  - High pressure switches, starters/contactors, motor control center
  - Automatic transfer switches
- Battery replacements
- Direct replacement breakers
- Circuit breaker repair
- Transformer repair/replacement (tap changers, gaskets, bushings, leaks)
- Replacement parts
- Emergency services

## Educational Services

- Performance solutions
  - Skill and training needs assessment
  - Personnel safety
  - Policy and procedures
  - Regulatory compliance
  - New equipment training
  - Maintenance practices
- On-site and classroom courses
- Computer-based and self-paced learning
- Certification to recognized industry standards

### Ordering Information

To learn more about these services and other Vertiv™ solutions, please contact your local Electrical Reliability Services sales representative office or visit [VertivCo.com](http://VertivCo.com). In the U.S., call (877) 468-6384.