

Electric Power Services



the power of





ELECTRIC POWER SERVICES

SOLUTIONS FOR TODAY'S TRANSMISSION, DISTRIBUTION AND SUBSTATION SYSTEMS

The Quanta Services network includes some of the most experienced contractors in the country. In fact, many of the companies that are now part of the Quanta Services network contributed to the original build-out of the national transmission and distribution system over 70 years ago. These same experts are addressing today's industry demands as the effects of electric utility deregulation and aging of the infrastructure spread through the nation's transmission and distribution system.

Quanta is at the forefront of the industry, helping investor-owned utilities (IOUs), independent power producers (IPPs), rural electric associations (REAs) and federal, state and municipal agencies grow and remain competitive. Quanta gets the job done quickly, seamlessly and effectively. That is the Power of ONE. As the largest electric service contractor in the country, Quanta has the ability to handle any electrical infrastructure need. From project-based engineering and construction of a multi-state, several hundred mile, high voltage transmission line and substation system to complex underground distribution networks, Quanta partners with its customers on projects of every size and scope. In the end, Quanta's collective effort guarantees success, ensures time and cost efficiency and minimizes service disruptions.

FROM THE GENERATION SOURCE TO THE CUSTOMER: OVERHEAD AND UNDERGROUND

Quanta's expertise begins appropriately with power production systems. The company's flexibility and deep resources enable Quanta to handle every facet of work from site preparation to energization. As a turnkey contractor, Quanta designs and builds substation projects of any size including control wiring, equipment testing and bus welding. But Quanta's capabilities reach far beyond power generation and substations. The Quanta team can tackle any size job, from erecting 69 kV wood structures to constructing 765 kV triple bundle lattice steel towers. In fact, more than 200,000 miles of overhead lines built and/or maintained by Quanta teams can be seen across the country.

The less visible capabilities of Quanta are just as impressive. Nationwide, the company has installed thousands of miles of underground cable. The company's extensive fleet of specialized equipment ensures each team is equipped with the best tools to get the job done. Having the proper equipment and extensive workforce allows Quanta to minimize disruptions of traffic flow to and from businesses and residences. That's a benefit that resonates with clients and the public alike.

As specialists in substations, high-voltage transmission lines and distribution lines, the Quanta network of operating units provides a powerhouse of electric service solutions that extends far beyond the traditional capabilities of an individual utility contractor. The company's capabilities also include:

- Design-build or engineer-procure-construct services for utility infrastructures
- Emergency restoration
- Construction and maintenance of electrical transmission lines from 69 kV to 765 kV
- Installation and maintenance of distribution facilities of all kinds
- Site preparation and civil work for generator stations and complete construction of substations
- Energized installation, maintenance and upgrades utilizing barehand, hotstick and proprietary robotic arm methods

Consider the strength of ONE company built on the foundation of many. Imagine a nationwide team of specialty contractors providing a broad spectrum of services and expertise to the electric power, telecommunications, broadband cable and natural gas industries. Envision a company operating in all 50 states and Canada offering unsurpassed design, installation, repair and maintenance capabilities. That company is Quanta Services: the nation's essential source for infrastructure-related undertakings. Quanta Services' network delivers the Power of ONE. That is, ONE source providing the people, expertise and equipment to serve its customers' varied needs and overcome complex challenges.

- Cable fault locating
- Civil work for underground facilities
- Installation and maintenance of duct banks and manholes
- Foundations for major equipment, buildings and structures
- Ductwork, including trenching and directional boring
- Power and control cable pulling, splicing, terminating and testing
- Wire stringing and installation of all types and configurations
- Joint electric, gas and telecommunications installations
- Power distribution "make-ready" work for broadband overbuilds
- Telecommunications installation on power infrastructure

SPECIALTY SERVICES – UNIQUELY POWERFUL SOLUTIONS

From energized services to directional boring, Quanta's specialized services cover all the bases and add value to the customer's project and overall business.

Quanta's energized services exemplify the company's ability to provide innovative specialty services. Through implementation of various energized techniques and utilization of proprietary tools, Quanta's specially trained teams can maintain, upgrade and rebuild any voltage line or any facility without interrupting service. In fact, Quanta is the only licensed operator of the LineMaster™ robotic arm, which makes repair, replacement or upgrade of energized transmission and distribution lines safer and more efficient. The LineMaster™ technology, combined with the capability of Quanta's highly trained barehand journeymen and hotstick specialists, provides unsurpassed and extensive advantages through energized solutions. These services increase project efficiency and reduce outages, ultimately ensuring customer and end-user satisfaction.

Quanta's track record for quickly and efficiently handling upgrades and emergencies for IPPs, IOUs, REAs and municipalities is stellar, but the company's ability to apply its expertise in unique circumstances is unmatched. That's why light rail developers call on Quanta to install towers and specialty wiring. And why utility clients rely on Quanta's extensive directional boring capabilities and equipment to tunnel under heavily traveled city streets and major waterways such as the Mississippi River. Quanta's capabilities also include rock trenching and road milling for industrial and commercial customers as well as installation of automated controls for new jet fuel tanks at major airports.

The more unique a project or complex a challenge, the more reason to tap into the Power of ONE. Quanta is a full service, integrated and unique service provider ready to take on and overcome any project challenge.



CASE STUDY

QUANTA CREWS HUSTLE TO RESTORE POWER AFTER CRIPPLING ICE STORM

When a series of ice storms devastated Arkansas, Quanta was prepared for the call. Up to three inches of ice had accumulated on power lines, trees and roads. Within 24 hours, 600 workers from Quanta responded. Within 48 hours, nearly 1,000 Quanta workers from across the country were on the scene. Working around the clock, crews quickly organized to repair extensive line damage caused by the storms. No other source offered as large or diverse a workforce. Quanta's response is an example of the company's unique ability to assemble a team not only from different areas of expertise, but also from different parts of the country to quickly design and implement a solution.



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