



ENERGY SERVICES

Ulteig will help drive the power of energy for generations to come. We work with a wide variety of clients, from global energy producers to local power cooperatives. Our electrical, civil, and structural engineers have decades of experience in the energy industry. We are recognized leaders, providing services and expertise on energy projects worldwide.

TRANSMISSION & DISTRIBUTION

Ulteig has surveyed and engineered more than 18,000 miles of AC and DC transmission lines for public and private clients. From 34.5 kV subtransmission line to 500 kV EHV line, we have the experience to handle all aspect of the process, from routing and permitting to survey, right-of-way acquisition, detailed design, and construction management. Ulteig has completed thousands of miles of medium-voltage distribution lines for a diverse range of clients throughout the region. Planning is an important part of our distribution system engineering services. Load growth predicated on historical data and weighted by localized commercial, industrial, and population growths is analyzed to provide a master plan approach to orderly system development.

RENEWABLE ENERGY

We deliver services and innovation to support emerging renewable and sustainable energy solutions. We have the expertise and capabilities to design wind power and solar power systems. Throughout the past four years, we have established ourselves as a leading provider of engineering services to the wind power industry. We designed a 34 MW PV solar system, and, more recently, designed more than 4 GW of wind power projects in 10 states and Canada.

SUBSTATION

Ulteig has engineered and designed more than 1,000 high-voltage substations, switchstations, and interconnect stations — from 34.5 kV to 500 kV — for public and private clients. We have the capability of providing all detailed design within a substation, including electrical design, detailed structural steel design, and civil grading plans. We provide design development of the operation, protection, and communication components for many types of utility, generation, and industrial facilities. This includes the AC and DC control schematics for facility control and operations, the protection and reporting of how the facility is operating, and the communications network that carries the information.

PLANNING & COMMUNICATIONS

Ulteig has the expertise and capabilities to perform all types of transmission, distribution, and generation system planning and related economic studies. We help our utility clients weigh the myriad of alternatives in the current energy market climate to make informed decisions. Ulteig works on an expanding variety of communications projects, including cellular, microwave, two-way radio, and fiber. Our expertise guides the latest technology to research and determine all site design data required for any project.