



BUILDING SERVICES

Ulteig provides engineering, commissioning, and operational support service needs for virtually any kind of facility or site. We understand the significant impact our solutions have on the financial, environmental, and social bottom lines. We take seriously our responsibility to help our clients make informed decisions regarding their facilities and sites.

CIVIL ENGINEERING

Successful site development involves more than just parking lots. Our civil engineers create infrastructure and site solutions to meet our clients' project objectives while balancing environmental, code, and site performance standards. Our engineers also help ensure a smooth Best Management Practice (BMP) permitting process — protecting the project schedule and the budget.

STRUCTURAL ENGINEERING

The design of building structures and assessment of their performance are the two primary focuses of our practice. Whether designing or reviewing the “bones” of a facility, upgrading industrial equipment frames and foundations, or analyzing and resolving structural needs through the life of a building, our engineers offer a broad range of capabilities. Ulteig also provides valuable building codes analysis, third-party plan review, and expert witness services.

MECHANICAL ENGINEERING

Ulteig offers a complete scope of mechanical engineering services to help our clients develop high-performance buildings. From HVAC, plumbing, and building automation systems to geothermal/ground source systems, power generation, and central plants, we possess a demonstrated success in a wide range of facility types.

ELECTRICAL ENGINEERING

Combining design expertise with practical knowledge of value engineering, Ulteig brings a combination of quality engineering and cost-effective design. Our electrical capabilities include power distribution system design at all voltage levels, power quality studies, short-circuit and arc flash hazard analyses, emergency power system design, critical and clean power distribution systems, renewable power systems, power management, and control system design.

FIRE PROTECTION ENGINEERING

Fire protection engineering is an important part of helping our clients protect people, physical assets, and continuity of operations. An effective fire protection system depends on the right design, including the size, type, layout, and control of each system. Ulteig also provides valuable building codes analysis, third-party plan review, and expert witness services.

LIGHTING DESIGN

Innovative use of lighting enhances both the aesthetics of a space and the energy efficiency of a building. As energy-efficient lamps are combined with suitable lighting controls, a building's lights become an illumination system. Incorporating such considerations as daylight-harvesting and occupancy-sensing capabilities, our lighting designers play a key role in the design of high-performance buildings.

TECHNOLOGY SYSTEMS DESIGN

Just as we have created a stand-alone lighting design team, our technology systems designers focus solely on audiovisual systems, technology and data systems, communications, and security. Working in close collaboration with our electrical engineers, Ulteig's technology design experts deliver low-voltage, high-impact solutions.