

KAMM DISCIPLINE PROFILES AND SERVICES

Mechanical



KAMM Consulting, Inc. has extensive experience in the design of modern HVAC systems ranging from sophisticated residential systems to complex commercial/industrial applications utilizing state of the art technologies. Indoor air quality (IAQ) concerns and the ongoing drive for efficient energy utilization are major factors in our designs. Our HVAC engineers are expert in the broad range of climatic and building conditions that impact the performance of a design. Our experience in South Florida uniquely qualifies Kamm Consulting for this market. We use state-of-the-art software and methods to perform heat load and energy calculations.

Electrical



The cost, reliability and quality of electric energy are increasing concerns for most business owners, especially those with almost total dependence upon their technology-based business systems. In Florida, the issues are amplified by the frequent severe weather conditions that reduce the dependability of the commercial power source. We have extensive expertise in determining requirements and specifications for backup generators, uninterruptible power systems (UPS), power conditioning, and lightning protection systems. State-of-the-art software provides us with the ability to perform detailed power system and fault current analysis. We deliver reliable, safe, cost-effective designs that bridge the gap between electric utility quality and client need.

Lighting



Lighting has a well-documented positive effect on the efficiency and quality of tasks performed in the workplace. We work in close collaboration with the owner/tenant and their architect to create a lighting scheme that will meet the needs of both the owner and user. In particular, we assist in determining the appropriate level and type of illumination for the specific tasks being performed including the control of glare and contrast ratios. We use sophisticated independent lighting software to perform photometric analyses for interior and exterior spaces. Our designs include evaluation of energy efficiency, implementation cost, and payback performance. A good lighting design is an integral part of creating a comfortable, efficient and safe work environment.

Fire Protection



KAMM Consulting, Inc. is a member of the National Fire Protection Association and strictly applies the National Fire Code standards and guidelines to all our designs. Our fire protection solutions are based on careful evaluation of client need and assessment of viable alternatives. Our experience includes designing many types of detection, alarm and extinguishing systems, including water sprinkler, inert gases and chemical methods. Our collaborative approach of working closely with our clients and local building authorities during the design process assures a safe, approved design.

Continuous-Availability Facilities



KAMM Consulting, Inc. is a leading designer of continuous availability facilities to support mission critical and business critical systems. Special considerations are given to reliability, availability and adaptability of critical support systems such as uninterruptible power systems, emergency, standby power generation, fire detection and suppression, raised/access floors, special HVAC considerations, power conditioning and distribution, and physical security. We know how to deliver designs to meet the day-one and future needs of our clients.

Consulting Services



We provide comprehensive consulting services to clearly define client requirements. Our approach identifies the viable options and technical alternatives that meet our clients' budgetary and time constraints.

- Site evaluation and planning
- Reliability studies
- Point-of-failure analysis
- Relocation evaluations
- Merger/consolidation studies
- Mechanical HVAC design
- Electrical design
- Uninterruptible power design
- Back-up standby power design
- Fire protection engineering
- Voice and data communications design

Construction, Commissioning, and Follow-On Services



We provide a fully integrated approach to the creation of continuous availability facilities that gives our clients single-source responsibility from conception to completion, including testing and commissioning. This advanced construction technique minimizes traditional construction delays and change orders while enhancing continuous value engineering and construction team integration.

- Project planning and scheduling
- Permitting
- Bidding and bid evaluation
- Construction management
- Construction monitoring
- Turnkey/design-build
- Commissioning testing
- Site documentation
- Operating procedures
- Change control procedures