

EYP MCF Trusted Advisor Service

Other Services

Data Center Strategy

Long term data center strategy development incorporating IT capacity modeling, risk tolerance, business profile, and total cost of ownership analysis

Data Center Design

Full data center design services ranging from data center design programming through conceptual designs and construction documents.

EYP MCF's Trusted Advisor Service is a flexible, retainer-based service that provides clients with subject matter experts as needed in a data center program. The Trusted Advisor service is built on a pool of consulting and technical resources available throughout the Data Center program and does not require precise scoping or advance knowledge of what will be required. The relevant expertise for all aspects of a data center program will be available when it is needed as determined by the pace and phase of the program.

How it Works

- The Trusted Advisor role typically lasts from 12 to 36 months but can also cover a period that you identify as critical to your business development.
- The service provides you with professional program expertise and support throughout the process of planning, designing, constructing, or retrofitting data center facilities. Clients can tap into a wealth of data center expertise and rely on a partnership that brings our global experience to your doorstep.
- The Trusted Advisor is not a specific person; rather, it is a lead consultant with a team of resources to aid throughout the strategic development process or data center program. The Trusted Advisor can help avoid common pitfalls that can be expensive and/or disruptive to your business.
- The service is led by one Senior Consultant that will serve as the overall Trusted Advisor lead. Subject matter experts from a multitude disciplines brought in as required. Data Center centric subject matter experts are available in the following phases and subject matter areas:

Subject Matter Expertise

- Strategy and Consulting
- Data Center Relocation and Migration
- Electrical Systems
- Mechanical Systems
- Energy Efficiency and Management
- Building Management Systems
- Fire Detection
- Fire Suppression
- Physical security
- Structured cabling
- Operations and maintenance
- Operation manuals
- Commissioning
- Financial and cost analysis

Program Phases

- Requirements development and capacity planning
- Site selection
- Development of basis of design
- Conceptual design phase
- Detailed design and construction document phase
- Construction
- Structured cabling
- Commissioning
- Layout, rack elevations

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Assessments

Engineering evaluation of existing data centers including capacity evaluation, single points of failure, and failure forensics.

Colocation sourcing

Support in the development and submission of Colocation RFPs, including customization based on specific client requirements.

Technical evaluation of responses and normalizing all proposal cost components for facilitated comparisons.

Sample Services

- Critical Load Capacity Planning: Using proprietary modeling tools EYP MCF can work to develop and/or peer review future power, cabinet count, and density projections based on underlying inventories, DR initiatives, growth, technology refresh and replatforming among other factors.
- Total cost analyses. EYP MCF's Data Center Facilities group has dedicated financial analysts with expertise in data center total cost analyses that can support development of diverse cost models associated with the data center program.
- Review overall data center program master schedule/timelines and/or assist with the data center program master project plan.
- Assistance with RFP development and/or the contractor selection processes.
- Architectural and Engineering Proposal review support
- Provide guidance, and support throughout the design phases, including Basis of Design, Schematic Design, Design Development, and Construction Documents.
 - Support in development of design criteria
 - Participation in design charrettes
 - 25%, 75% 100% construction drawing reviews
 - Major component pre-purchase specification reviews
- Provide expertise and support throughout the initial Data Center Technology Planning efforts to ensure IT integration with the future state data center plans/designs.
 - Structured cabling design reviews
 - Shop drawing reviews
 - Site inspections
 - Data center floor layout support
 - Support development of rack elevations
- Participation in weekly construction meetings to provide expert advice and recommendations as required.
- Site visits during construction process to provide expert opinion and observations.
- Observe/comment rough-in and initial set-ups for rooms, spaces and major MEP equipment to assure operational suitability

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