

# DATACENTER ENERGY ARCHITECTS

## Current Datacenter Problems

- Low energy efficiency
- Rigid architecture
- Rising operational costs
- Poor hardware and technology deployment strategies

## Causes of Datacenter Problems

- Disconnect between departments
- Incoherence between technology directives and requirements
- Lack of contractor experience in datacenter construction
- Lack of input into datacenter design and construction process
- Lack of foresight in sizing of power, cooling capacity, and space

## ABZ Can Help

By integrating design requirements through a combination of:

- Power consumption modeling
- Analysis of electrical and cooling loads
- Thermal distribution of heating loads
- Design and construction oversight and management
- Application of operational knowledge and experience with datacenters

## ABZ's Experience with Datacenters Includes:

- Global operational controls
- Energy efficiency consulting
- Power and cooling assessments
- Generator, power, and cooling load modeling
- Datacenter risk assessments
- Security consulting

## Why ABZ Is Different

ABZ understands construction, business, and IT. ABZ can integrate requirements from technology directives to final datacenter deployment. ABZ uses computational modeling, factual data, and best practices to optimize the space.

ABZ can isolate your risk prior to the financial commitment, saving time, money, and frustration. ABZ can identify the total cost of ownership and Return on Investment before the investment is made in new physical infrastructure. ABZ can meet the challenge of going "green" by conserving energy and manpower by minimizing the time and cost to deploy the datacenter space, including its processes and people.

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Professional Engineering  
Schedule (PES)  
GSA Contract Number:  
GS-10F-0262U

