



## CALIFORNIA DATA CENTER DESIGN GROUP

### ■ NAME

James Monahan, MIEI

### ■ TITLE

Director of Technical Services

### ■ PROJECT RESPONSIBILITIES

Electrical and Mechanical Design

### ■ BIOGRAPHY

James Monahan is a datacenter design engineer specializing in electrical and mechanical design with a strong background in IT and computing. Having designed award winning datacenters around the globe he has unique experience in designing physical infrastructure to support applications such as Supercomputing, Virtualization, Cloud, Telco and consolidation projects. Having focused on high-density projects he pioneered many of the concepts that are now industry wide, this includes concepts such as economizers, containments systems, rear door heat exchangers, on-chip cooling, efficient electrical distribution and rotary UPS design. As an early adopter of technology he is always looking to streamline datacenter performance without compromising the availability, reliability or maintainability.

### ■ AREAS OF EXPERTISE

- Programming/master design
- Electrical and mechanical design
- Alternative electrical and mechanical technology evaluations
- Racking/whitespace coordination and design
- Space analysis
- Owner requirement documents
- Site assessment services
- Commissioning Services

### ■ PROJECT EXPERIENCE

James Monahan has of experience in all aspects of datacenter design, with project around the globe.

Representative Data Center Projects:

#### USA

- Sun Microsystems
  - Santa Clara, CA
  - Broomfield, CO
  - Burlington, MA
- Symantec, San Francisco, CA
- Wells Fargo, San Francisco, CA
- RCM Capital Investment, San Francisco, CA

#### Australia

- Telstra, Sydney
- Australia National University, Canberra
- Bureau of Meteorology, Melbourne

#### Asia

- Kisti, Korea

#### Europe

- Symantec, Ireland
- University of Zurich, Switzerland
- Sun Microsystems
  - Trondheim, Norway
  - Prague, Czech Republic

### ■ EDUCATION

B. Eng. Electronic and Computer Engineering  
National University of Ireland, Galway

### ■ INDUSTRY CERTIFICATIONS

- Registered Engineer with Irish Institute of Engineers
- Member of ASHRAE
- Member of the IEEE Power and Energy Society
- Member of the Green Grid