

## CRITICAL FACILITIES ROUND TABLE PRESENTATION

### *HIGH DENSITY COMPUTING IN THE CLASS 'A' OFFICE ENVIRONMENT*

October 17, 2008

#### Agenda

- + Introductions—Jesse —5 Minutes
- + Adobe's Challenges —Mike Bangs—10 Minutes
- + Project Challenges—Dave Morrison—5 Minutes
- + IT and Facilities Working Together—Dave Morrison—5 Minutes
- + Owners Project Requirements (OPR)—Jesse—10 Minutes
- + Construction Challenges—Mark—10 Minutes
- + Design Features—All—30 Minutes
- + Airflow Simulation and Equipment Optimization—Tim—10 Minutes
- + Integrated Systems Testing—Rich—5 Minutes
- + Best Practices for Operations—Rich—5 Minutes
- + Questions and Answers—15 Minutes

#### Presentation Team

- + Jesse Smith, CCP—Nova Partners, Inc.
- + Mike Bangs, P.E.—Adobe Systems
- + Dave Morrison—Cushman & Wakefield
- + Mark T. Johnson—Devcon Construction
- + Lance Carlough—Adobe Systems
- + Rudy Bergthold, P.E.—Cupertino Electric
- + Tim Spooner, P.E.—Critchfield Mechanical
- + Rich Greco, LEED AP—CDCDG, Inc.

**Presenter Bio's**

**Mike Bangs, P.E.** is the Director of Worldwide Facilities Operations at Adobe. He is a professional engineer with a degree in Mechanical Engineering from Cal Poly and 25 years experience in the tech industry

**Jesse Smith, CCP** is a Senior Project Manager with Nova Partners, Inc with over 25 years experience in design and construction of Mission Critical facilities in the SF Bay Area. Jesse is a Certified Commissioning Professional thru the BCxA.

**David Morrison** is the Critical Operations Manager for Cushman & Wakefield at Adobe. Dave has 30 years facilities experience with fortune 500 companies. He served as Chief Building Engineer for Adobe, Borland International and Insignia. Dave has a degree in industrial technology from Cabrillo College

**Dan Kirby, AIA** has over 25 years of experience on a wide variety of commercial, developer, and high technology projects. He holds a bachelor's degree in architecture from the University of California at Berkeley and is a registered architect in the state of California. Dan is also a member of The American Institute of Architects (AIA) where he served as president of the Santa Clara Valley Chapter in 1999.

**Mark Johnson** is a Senior Project Manager from Devcon Construction. He has over 20 years experience managing a wide variety of commercial construction projects, and holds a BA degree in architecture from UC Berkeley.

**Rudy Bergthold, P.E.** is the Senior Vice President and Chief Technical Officer at Cupertino Electric, Inc. He has a degree in Electrical Engineering from Stanford and over 30 years of experience in the industry.

**Tim Spooner, P.E.** is a Project Manager for Critchfield Mechanical, Inc. where he has worked for the past 13 years. He obtained his Professional Engineering License in 1999. He is a graduate of California Polytechnic State University in San Luis Obispo, CA with a degree in Industrial Engineering.

**Rich Greco, LEED AP** has over 40 years experience in the operation and maintenance of electrical and mechanical systems supporting complex technical facilities. He has extensive executive management experience operating business's specializing in the operation, maintenance and commissioning of mission critical facilities.