

# Green Building Mechanical & Electrical Engineer

**Education: Bachelor (BA, BS, BE, B.Tech etc.) with LEED AP and ESTIDAMA PBRs accreditation-Preferred**

**Location: DUBAI, UAE**

**Posted by: Middle East Centre for Sustainable Development (MECSD)**

**Job Category: Mechanical or Electrical Engineer**

**Language(s): English**

**Area of Focus: Management, coordination, and training of technical engineering staff that develops energy and lighting audits for residential and commercial building and retrofit design, energy conservation, green living, environment and ecology.**

**Type: Fulltime**

**Position is available immediately.**

## **ABOUT MECSD AND OUR CAPABILITIES AND EXPERIENCE:**

The **Middle East Centre for Sustainable Development**, (MECSD), is one of the early pioneers in green building development in the Middle East. MECSD has the sustainability development experience, qualified staff and efficient operations in the Middle East arena to proficiently guide selected project teams through the Green Development Building process.

MECSD provides sustainable services for new and existing facility development. With more than 180 registered USGBC LEED projects in various stages of the LEED certification process in the U.A.E., MECSD has already achieved for our clients 50 LEED Certified Projects, including 3-Platinum Certifications, 27-Gold, and 17-Silver certifications, and 3- Certified projects, and in a few short months will have certified at least ten more facilities.

MECSD is a wholly owned subsidiary of Pacific Controls Systems (PCS). Pacific Controls Systems is one of the early pioneers in green building development in the Middle East. Both ISO 9001 and 14064 Certified, PCS developed the first LEED Platinum rated facility in UAE, where she is Headquartered and where MECSD was also created to promote sustainable building throughout the Middle East Region and beyond. This commitment to sustainability pervades both organizations and continues to be a prime motivation to maintain an active and sustainable presence in the Middle East, as well as globally.

## **Qualifications**

Applicants for the Green Building Mechanical and Electrical positions should hold a Bachelors or Masters degree in Mechanical or Electrical Engineering with a focus on sustainable building energy and lighting audits for retrofit design.

Candidates should have knowledge of and experience with green building strategies and systems and demonstrate a history of commitment to sustainability.

Candidates should have knowledge of green building materials, systems and equipment, planning, design, construction, operations and maintenance processes.

Candidates should have experience with green building and working knowledge of the USGBC, LEED rating system.

Candidate should be LEED AP, BD +C and ESTIDAMA PBRs PQP. LEED V4 a bonus

Candidates should have management experience and the background and expertise to manage, coordinate, and train a technical engineering team in holistic and practical green building strategies.

We are looking for a team-oriented individual with strong professional, organizational and interpersonal skills who is skilled at communicating with people, capable of organizing large amounts of information and able to maintain a positive, flexible attitude. Candidates should have the desire and ability to explain green building and sustainability concepts to building development professionals and laypersons.

Applicants should have strong written and verbal communication skills, be detail-oriented and be comfortable using current software technology including MS Excel.

### **Responsibilities:**

The Green Building Mechanical and Electrical Engineers will be responsible for supervising, coordinating and training of technical engineering teams that develop energy conservation strategies, audits, specifies and designs energy efficient lighting, lighting controls, HVAC systems, control systems BMS and plumbing fixture retrofits & systems for new & existing buildings and commercial facilities. Responsibilities include supervision, coordination and training of technical engineering staff to include site investigations, field audits, performing energy savings calculations, working with database, and developing design drawings, cost estimates, and written descriptions of energy conservation measures in support of energy and water conservation proposals.

The Green Building Mechanical and Electrical Engineers will be expected to have the competency to analyze utility bill data to determine customer energy performance parameters and to collect detailed information on the existing lighting, HVAC, plumbing systems and document critical performance variables (e.g., existing equipment type, condition and performance criteria, operating schedules, and functionality of the space). The Green Building Mechanical and Electrical Engineers must be able to perform data entry and quality control of audits including design measurement & verification (M&V) plans including performance variable sensitivity. The Engineers will also be expected to supervise the writing of detailed M&V plans to be included in proposal submissions.

### **MECSD EMPLOYER PROVISIONS:**

Middle East Centre For Sustainable Development (MECSD) offers a competitive salary (commensurate with experience) and excellent benefits. Our office is located in the Dubai Techno Park at the Pacific Controls, Platinum Green Building. For more information, visit our web site [www.mecsd.com](http://www.mecsd.com)