

# MECSD Qualified Solar and Thermography Engineer

**Education: Bachelor of Architecture, Civil Engineering, or Electrical Engineering (BA, BS, B E, 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: Solar and Thermography Engineer**

**Language(s): English**

**Area of Focus: Renewable Energy design and management of installations, particularly solar PV and solar thermal, and Thermal Imaging Assessments and Reporting within the Green Building Arena; to include solar PV and thermal panel array systems, Thermal imaging of completed facades for verification of air leakage and thermal resistance of built buildings.**

**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 Solar and Thermography Engineer position should hold a Bachelors or Masters of Architecture, or Civil Engineering, or Electrical Engineering degree in Building Engineering and Sustainability, with a focus on solar PV and solar thermal systems, and have attained a level 1 infrared certification for thermal testing of building facades.

Candidates should have knowledge of and experience with the USGBC LEED, ESTIDAMA PBRS Green Building Rating Systems, and the DM Green Building Regulations, and demonstrate a history of commitment to sustainability.

Candidates should have knowledge of the UAE, Abu Dhabi and Dubai Building Codes and regulations, and have knowledge of the thermal resistance qualities of the major building envelop types and materials found in the U.A.E.

Candidates should have 3-5 - years of experience in the Renewable Energy systems, with emphasis on solar energy and experience with thermal imaging of façade works, including the level 1 infrared certification for thermal testing of building facades.

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

Candidate should be knowledgeable regarding LEED and ESTIDAMA PBRS requirements.

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 solar and thermal design and installation issues and sustainability concepts to development professionals and government reviewing agencies.

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

**Responsibilities:**

The MECSD Solar and Thermography Engineer will be responsible for project management and the preparation of solar PV and Thermal studies and reports for various public and private development projects through-out the Middle East, and in particular the emirates of Abu Dhabi and Dubai. The work of the Solar and Thermography Engineer will include site and building exterior lighting and solar orientation, appropriate solar array designed to meet specific energy targets, and cost estimates for their installation. Thermography work will include infrared imaging of building facades and providing reports and recommendations for reducing discovered air leaks.

Responsibilities may also include supervision, coordination and training of additional architectural and engineering staff.

**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)