



RENIEL BARROSO

Bsc.MechEng, MASHRAE MAEE

**LEED Accredited Professional
Engineering Manager**



Reniel has been handling all the engineering design and energy study arm of Green Technologies (GT) for 7 years since he transfer from Manila to Dubai year 2007. His extensive background in MEP Design specifically in HVAC Systems both in his home country and in UAE supported his success in delivering both engineering and energy jobs he's undertaking from designing the simplest mechanical systems for residential projects to complicated and high end systems for projects such as malls, hotels, universities, high performance and LEED buildings up to Net-Zero energy buildings. He and Green Technologies never stopped and have no plans of turning away from thinking out-of-the-box and pushing the boundaries of design engineering way ahead of the conventional engineering design whenever the technology allows.

He was trained in several workshops to do complicated energy modeling and analysis. He heads the energy modeling class as lead instructor and assist in engineering design workshops as co-presenter that GT conducts twice a year. He already presented in a number of conferences in Dubai that tackles energy efficiency in building operation and design.

The direction he's heading to is to expand the advocacy of informing the engineers how to design energy efficient buildings by default and not just because they're required to do so and making them more responsible in their output as building design engineers in terms of making it environmentally friendly and resource efficient.



*Mirdif City Centre,
Dubai, U.A.E.*



*King Saud Abdul Aziz University of Health Sciences, Al
Hasa, Kingdom of Saudi Arabia..*



*Rainforest Ecolodge
Deniyaya, Sri Lanka*



*Dubai World Trade Center
Sheikh Rashid Tower*



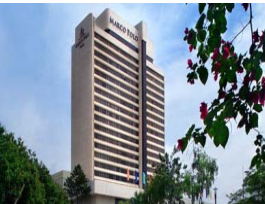
*Engine Health & Fitness
Centre, Dubai, UAE*



*Greenbelt Residences,
Philippines*



*Serendra Community,
Philippines*



*Marco Polo Plaza Hotel
Cebu City, Philippines*

PROFESSIONAL AFFILIATIONS

- Member of American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE)
- Member of Association of Energy Engineers
- Green Building Certification Institute
- CIBSE School Design Group
- Member of Philippine Society of Mechanical Engineers
- Member of International Building Performance and Simulation Association.

PROJECT INVOLVEMENTS:

Philippines (R.J.Calpo & Partners) – HVAC System Design

- Serendra – Taguig City
- Marco Polo Plaza Hotel – Cebu City
- The Residences at Greenbelt – Makati City
- Manila Ocean Park – Manila
- Celadon Park San Lazaro - Manila
- Ayala Center Mall Expansion – Cebu City
- Metrobancard Building – Makati City
- UP-Technopark/I.T. Hub – Quezon City
- Glorietta 5 – Makati City
- Greenhills Shopping Center
- Angeles Mall – Angeles, Pampanga

Middle East (Green Technologies FZCO)

- Jumeirah Village South District Cooling Plant Concepts (Dubai)
- Sun & Sand Sports Warehouse MEP Design Review (Dubai)
- Mirdif City Center Energy Modeling (Mirdif, Dubai)
- Dubai World Trade Center Development Ph1 Energy Modeling (Dubai)
- Sabah Al Ahmad International Financial Center Energy Modeling (Kuwait)
- Shaza Hotel Energy Modeling– Manama, Bahrain
- Jotun Paints (Dubai) – Energy Study
- Rain forest Ecolodge Energy Modeling (Deniyaya, Sri Lanka)
- Jehan Green Walls Energy Systems Design (Sharjah, U.A.E.) - Net Zero Building
- King Saud Abdul Aziz University for Health Sciences Energy Modeling (Al Hasa, K.S.A.)
- Dubai Airport Free Zone Central Chilled Water Plant Risk Assessment Study – (Dubai)
- Dubai World Trade Centre – Sheikh Rashid Tower Chilled Water Plant Upgrade (Dubai)
- Farm Fresh Cold Storage MEP Design (Dubai)
- Engine Health and Fitness Center MEP Design (Dubai)
- Green Park Development Energy Modeling (Riyadh KSA)