

HÉCTOR M. BABILONIA CEDÓ, PE, CEM

PRINCIPAL / MECHANICAL ENGINEER

EDUCATION

Bachelor Degree in Science of Mechanical Engineering

Polytechnic University of Puerto Rico

Registered Professional Mechanical Engineer – Puerto Rico (License #13802)

Registered Professional Mechanical Engineer - U.S Virgin Islands (License #1135-E)

Certified Energy Manager (CEM License #16404)

1992

2011

2010

PROFESSIONAL AFFILIATIONS

College of Engineers and Surveyors of Puerto Rico (CIAPR)

American Society of Heating, Refrigerating and Air Conditioning Engineers

(ASHRAE)

Institute of Mechanical Engineers of Puerto Rico

(Vice President of the Student Chapter)

Association of Energy Engineers (AEE) – Member #71884

1992

2011

SKILLS

- Carrier, Trane and Elite programs for Cooling loads
- Carrier hourly analysis (HAP) for designing HVAC systems
- Product and equipment selection software
- Psychometric programs
- Air Conditioning technician and trouble shooting
- Energy Conservation study
- Vacuum system
- Plant Steam and boilers
- Purified water, USP 23
- High Purity Process Water (water for injection USP)
- Clean Compressed Air
- Low Humidity computations
- Dust collector computations
- Building Management systems
- Load analysis of energy savings
- LEED building compliance report

ADDITIONAL EDUCATION

- Armstrong Pump course – Toronto, Canada
- Basic skills in the Supervisor's role – Certified by the College of Engineers and Surveyors of Puerto Rico (CIAPR)
- Kitchen ventilation – College of Engineers and Surveyors of Puerto Rico (CIAPR)
- B2B Vol. 6:Healthcare Facilities – Engineered systems – San Juan, PR
- Siemens Life Safety seminar – San Juan, PR
- ASHRAE 90.1 2004 High Performance chilled water system – San Juan, PR
- Air filtration technology for the Bio-Pharm and pharmaceutical industry – San Juan, PR
- Certified Energy Management 5 day seminar – San Juan, PR
- Energy 2014 – Full day seminar

PRESENTATIONS AND PANELS

- Carrier HAP (Hourly Analysis Program) Presentation - College of Engineers and Surveyors of Puerto Rico (CIAPR)

2018

