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Ross D. Montgomery, P.E.

Professional Licenses/ Certifications Held

Professional Engineer: # PE 36128
Certified Mechanical Contractor: State of Florida: # CMCO 25363
Certified Electrical Contractor: State of Florida: # EC 0001126
Certified Energy Manager: # CEM 0004487
Indoor Air Quality Professional: # IAQA15822
Certified Green Engineer/AEE GBE 00206 2007
Certified Commissioning Process Management Professional/ASHRAE 2009
Certified Building Energy Modeling Professional/ASHRAE 2010
Certified Energy Assessor / ASHRAE 2011
AABC-AGA Commissioning CxA #1111-921

Work Experience- Commissioning, Controls, Energy Studies/Audits & Test/Balancing

1985–present QST, Inc. and Professional Air Balancing, Inc., Professional Energy Concepts, and Mechanical/Florida Controls Corporation. - Florida

Commissioning Projects: Commissioning Agent and Manager:

USF Academics Building with HVAC&R + Smoke Controls, Diveo Data Centers-Mechanical/Electrical, HVAC&R, Electrical Generators and UPS, Charlotte, Lee, and Highlands Medical Endoscopy Surgery Centers HVAC&R, Hillsborough Medical Office Buildings – HVAC&R DOT-Government Office and Data Centers Wash DC, US Girl Scouts- Office and Operations Center – HVAC&R,SMR– Office and Operations HVAC&R , Sandpearl Condominiums and Hotel – HVAC&R , Macdill Air Force Base CentComm – HVAC&R, Smoke Control and Electrical Generators and UPS, Airport Tower IAQ Investigations, Army Barracks Energy Studies.

Indoor Air Quality and Remediation Projects

Property Condition Assessments - Team member 5 projects Florida

Controls Systems Engineer and Principle: 29 years: 100+M\$ Contract work.

Consultant – Director Engineering: Test and Balance HVAC&R Systems: 24+years

Green Building Technologies: 11 projects - 2006-2011

Energy Audits and Process Assessments: US Army Bases (4) Korea – 2009

ASHRAE Building Labeling Program Certified Modeler and Assessor (2011)

Work Experience- Engineering

1979-1982 Dames and Moore Consulting Environmental Engineers - Florida

Technician/ Project Manager: Civil and Environmental Engineering and Field Services

B.S.M.E. Engineering. University of South Florida, Tampa

Education

1982–09 Johnson, Andover, Robertshaw, SIEBE, Barber-Colman, Invensys, Honeywell Technical and Programming Schools.

Professional Associations and Volunteer Service:

ASHRAE: Currently serving on the Board of Directors, Vice President 2010-12, 2003-06 (DAL), 2007-2010(DRC) term: American Society of Heating, Refrigerating, and Air Conditioning Engineers. **ECF:** Electrical Council of Florida : **USGBC:** US Green Building Council, **AEE:** Association of Energy Engineers

Publications

1994: Technical Paper: IAQ-Sick Building Syndrome: **1997:** ASHRAE Technology Award- Ice Storage Systems: **1998:** ASHRAE Journal " Ice Storage System for School Complex"

2003/9: ASHRAE ; Co-author- Self-Directed Learning Book on "Fundamentals of HVAC Control Systems"; 12 chapters; 354 pages.: **2006:** ASHRAE Journal:"Study Verifies Coil Cleaning Saves Energy": **2009:** ASHRAE Journal: "Commissioning-UFAD Study; MacDill AFB Central Command HQ"

Awards

1985: ASHRAE Lincoln Bullion **1991:** ASHRAE Regional Award of Merit **1998:** ASHRAE Distinguished Service **2000:** ASHRAE Chapter Service Award **2005:** Engineer of the Year **2006:** ASHRAE Exceptional Service **2007:** John James International Service Award

Principle Area of Interests

Commissioning, Controls, Energy/IAQ Investigations, Energy Audits, Energy Labeling and Modeling, Property Condition Assessments, Energy Assessment, Energy Process and Protocol Studies, Testing/Adjusting/Balancing of HVAC&R Systems.