

Kerry P. Herr P.E. LEED AP BD&C, CEM, GPRO

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Overview

Mr. Herr's career has included both engineering and hands-on construction experience. Leading the mechanical trades with mechanical installation, providing assessments for property & asset acquisitions, US DOD feasibility studies and HVAC design in support of DOD embassy expansion, investment grade audits for energy savings for public entities, process facility design for various manufacturing facilities and controlled environmental agriculture (CEA) facilities related to the cannabis industry.

Expertise

24 years of industry experience in the design, construction, operation and analysis of heating, ventilating, air-conditioning, energy management, commissioning (Cx), plumbing, electrical and fire protection systems.

Education / Certification

- University of Maine, Bachelor of Science; Mechanical Engineering Technology, 1999
- Washington University in St. Louis, Masters of Engineering; Energy, Environmental, & Chemical Engineering, 2011
- Edith Cowan University, General Studies Western Australia (1996-1998)
- LEED Accredited Professional; 2001
- LEED AP BD&C; 2009
- Certified Energy Manager (CEM) 2011
- GPRO (2018)
- Licensed Professional Engineer (CO, FL, MD, ME, MO, MT, NJ, NM, TX, & VA)

Teaching/ Instruction

- GPRO Instructor St. Louis Region (Operations & Maintenance Essentials) 2018-2020
- STEM Education Sessions (Kirkwood School District 2018-2019)
 - Wind Power class with lab work

Design & Construction Awards

- AEC Virginia Pinnacle Award (2007) – New Kent Rest Stop. LEED Gold Facility
 - 60%+ reduction in energy saving over baseline systems
 - Rainwater harvesting
 - Energy recovery on ventilation air
 - Geothermal HVAC

Professional Experience

- Owner at Kultivate Solutions, St. Louis, MO (2022 – Pres)
- Director of Engineering, Boca Raton, FL (2021 – 2022)
- Sr. Development Engineer. Siemens Technologies. St. Louis, MO 63143 (2016-2021)
- Development Engineer. Ameresco. St. Louis, MO 63143 (2015-2016)

- Mechanical Engineer. CRB Engineering, St. Louis, MO 63141 (2013-2015)
- Director of Energy Services. FDH Engineering, St. Louis, MO 63105 (2012-2013)
- Development Engineer. Johnson Controls Inc. St. Louis, MO 63122 (2010-2012)
- Mechanical Engineer/ Cx Specialist. KJWW Consultants St. Louis, MO 63122 (2008-2010)
- Lead Mechanical Engineer/LEED Specialist. DJG Inc., Williamsburg, VA 23185 (2005-2008).
- Lead Mechanical Engineer/LEED Specialist. Pennoni Associates, INC, Philadelphia, PA (2004-2005).
- Mechanical Engineer/LEED Specialist. Hankins & Anderson, Inc, Richmond, VA (2000-2004).

Selected Project Experience

- *Skittles expansion, Yorkville, IL*
 - Provided design in support of process requirements which include ventilation and *pressurization control across several area boundaries*
- *University of Ohio, Chemistry Lab Building Kent, OH*
 - Provided assessment and recommendation on fume hood ventilation requirements to bring labs into compliance for ventilation, temperature, and humidity.
- *Cannabis extraction facility Design (NM and CO)*
 - Provide code compliant ventilation, monitoring, safety measures for use of CO2 in existing and new extraction facilities.
- *Berry Global Plastics Division, Cooling and Ventilation Renovation, Atlanta, GA*
 - Provide existing warehouse with additional cooling and improved ventilation rates for worker comfort and safety.
- NOTE: The projects above and most commercial projects require strict compliance with ASHRAE 62, OSHA, ANSI/AIHA Z9.5 and other ventilation requirements depending on the specific types of end use and gasses present in the working areas.

General Project Experience

- Parkway School District Performance Contract, Missouri (Energy Savings)
- Eminence Elementary School Bio-mass boiler and Performance Contract, Missouri (Energy Savings)
- Rolla Junior High School Bio-mass Boiler Project, Missouri (Energy Savings)
- Steelville Elementary School Bio-mass Boiler Project, Missouri (Energy Savings)
- Mountain View Junior High School Bio-mass Boiler Project, Missouri (Energy Savings)
- Ellington Schools Bio-mass Boiler Project (Energy Savings)
- Chicago Park District Performance Contract, Illinois (Energy Savings)
- Columbia Regional Hospital 5th floor renovation, Missouri (HVAC Design)
- Columbia Regional Hospital 5th floor renovation, Missouri (HVAC Design)
- Columbia Regional Hospital “Keene MOB” renovation, Missouri (HVAC Design)

- University of Ohio, Chemistry Lab Building Kent, OH (Energy Savings)
- South East Missouri State University (SEMO) Towers West Renovation, Missouri (HVAC Design)
- Kirkwood Public Library Renovation and Addition, Missouri (HVAC Design)
- Shaw Nature Reserve, Missouri (HVAC Design & LEED)
- New Kent County Rest and welcome center, Virginia (HVAC Design & LEED)
- Williamsburg Emergency operation center, Virginia (HVAC Design)
- Defense supply Center Renovation to Building 33E, Virginia (HVAC Design)
- Kill Devil Hills Fire station, North Carolina (HVAC Design & LEED)
- Catto Elementary School and Boys & Girls Club, New Jersey (HVAC Design & LEED)
- Skittles expansion, Yorkville, IL (HVAC Process Design)
- Mars Chocolate dehumidification alteration, KS (HVAC Process Design)
- Berry Global Plastic Division, Line expansion, Matthews, NC (HVAC Process Design)
- Berry Global Plastics Division, Line expansion, Danville, KY (HVAC Process Design)
- Berry Global Plastics Division, Cooling and Ventilation Renovation, Atlanta, GA (HVAC Process Design)
- Cannabis Facility Outdoor Expansion, CO (HVAC Process Design)
- Cannabis Facility Expansion & CO2 Process Addition, NM (HVAC Process Design)
- Cannabis Facility, Electrical and HVAC system improvements, MT (HVAC Process Design)
- Cannabis Facility New Micro-Grow Facility, NJ (HVAC Process Design)
- Retail Space Tenant Improvements (NM & MO) (HVAC design)
- Restaurant expansion and Improvements, MO (HVAC design)
- Pre & Functional Commissioning (Cx) of HVAC systems
- HVAC Control System design and troubleshooting for various types of facilities