

# ENERGY PERFORMANCE ENGINEERING CAPABILITY STATEMENT



We help clients to develop, restore and maintain healthy and energy efficient buildings.

## SERVICES OFFERED

### System Commissioning Services

- New Construction Commissioning
- Existing Commissioning
- Monitoring-Based Commissioning
- Facilities Management Support
- Asset Management Strategic Planning
- Measurement & Verification
- Site Analysis & Evaluation
- Energy Management

### Building Controls

- HVAC Systems Diagnostics
- Control Retrofit Design
- Control System Optimization
- Digital Controls Master Planning
- Fault Detection & Diagnostics

### Instruments

- Automated Fault Detection & Diagnostic Tool-Universal Translator
- Digital Control Diagnostic Software-Cx-3

## DIVISIONS

### May include commissioning requirements

- 01-General Requirements
- 22-Plumbing
- 23-Heating, Ventilating, and Air Condition
- 26-Electrical
- 27-Communications
- 28-Electronic Safety and Security

## REPRESENTATIVE CLIENTS

- City of Eugene
- City of Portland
- General Service Administration (GSA)
- Higher Education Schools
- K-12 School Districts
- General Contractor Companies
- Port of Portland
- Real Estate Developers

## CERTIFICATIONS

### Personnel Certifications

- Registered Mechanical Engineer (**PE**) in Oregon
- Certified Commissioning Professional (**CCP**)
- Certified Energy Manager (**CEM**)
- Certified LEED Accredited Professionals (**LEED AP**)

### Business Certifications

Certificate Name	Number
OR COBID Certified Minority Business Enterprise ( <b>MBE</b> )	4569
OR COBID Certified Disadvantaged Business Enterprise ( <b>DBE</b> )	4569
WA King County <b>SCS</b> Firm	1796
WA Minority Business Enterprise ( <b>MBE</b> )	M4M0023837
WA DOT <b>DBE</b> and Federal <b>SBE</b>	D4M0023837
SBA <b>8(a)</b> – Graduate 2020	304544

## DIFFERENTIATORS

During commissioning services; the owner, designers, and contractors participate in the commissioning team. We have experience in facility engineering as building owners, a senior design engineer in architectural firm, along with a control engineer for control contractor. Our diverse background gives us the expertise and a holistic perspective on commissioning process, which is rare to find in the building industry.

## PROFESSIONAL ASSOCIATIONS

- American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE):
  - Technical Committee 1.4 Control Theory & Application, Guideline Project Committee 36 High Performance Sequences of Operation for HVAC Systems: 2018-present
- Building Commissioning Association (BCA):
  - Certification Board Committee: 2016-2018

## REPRESENTATIVE PROJECTS



**Portland Community College - Newberg Center** (LEED Platinum - Net Zero Readiness)  
Newberg, OR - Completed 2012 Higher Education Building, 18,000 ft<sup>2</sup>



**Emergency Coordination Center** (LEED Gold)  
Portland, OR - Completed 2015 Mission Critical Building, 27,000 ft<sup>2</sup>



**Eugene Police Department Headquarters**  
Eugene, OR - Completed 2013 Police Office Building, 75,000 ft<sup>2</sup>



**Pilot Rock High, Jr. High & Elem. Schools**  
Pilot Rock, OR - Completed 2013 K-12 School Building, 150,000 ft<sup>2</sup>



**ODOT Flanders Building - RCx + Design**  
Portland, OR - Completed 2017 Office Building, 90,000 ft<sup>2</sup>



**Milton-Freewater Unified School District**  
Milton-Freewater, OR - Completed 2019 Elementary, Middle, and High Schools, 235,000 ft<sup>2</sup>



**Yogi Tea**  
Eugene, OR - Completed 2018 Manufacturing Building, 191,000 ft<sup>2</sup>



**Cornell Oaks DHS Office Building**  
Beaverton, OR - Completed 2018 Office Building, 36,000 ft<sup>2</sup>



**VA Mental Health Building** Roseburg, OR - Completed 2018 Medical Building, 18,000 ft<sup>2</sup>



**The Barcelona**  
Beaverton, OR - Completed 2018 Multi-family mid-rise Building, 36,000 ft<sup>2</sup>



**Camas Middle School - RCx** Camas, WA - Completed 2016 Middle School Building, 55,000 ft<sup>2</sup>



**Taipei World Financial Center**  
LEED Taipei, Taiwan - Completed 2005 Supertall Skyscraper, 4,440,000 ft<sup>2</sup> (Peer review of BAS implementation)

## OTHER PROJECTS



**Pacific Northwest College of Art Building - 511 NW Broadway Remodel** Portland, OR - Completed 2015 Higher Education Building, 146,000 ft<sup>2</sup>



**Faubion/Concordia University** Portland, OR - Completed 2018 Higher Education, 133,000 ft<sup>2</sup>



**Portland International Airport HQ/ Parking Garage** (LEED Platinum)  
Portland, OR - Completed 2010 Airport Building, 205,000 ft<sup>2</sup>



**TriMet Facility Sustainability Study**  
Portland, OR - Completed 2017 Design work-Citywide Facilities



**Hyatt Hotel - Oregon Convention Center**  
Portland, OR - Current Hotel Building, 440,000 ft<sup>2</sup>



**OHSU Center for Health & Healing**  
Portland, OR - Completed 2019 Medical Buildings, 420,000 ft<sup>2</sup>



**City of Portland 1900 SW 4th Avenue Building - RCx**  
Portland, OR - Completed 2014 Office Building, 155,000 ft<sup>2</sup>



**Edith Green-Wendell Wyatt Federal Building Modernization**  
Portland, OR - Completed 2013 Federal Office Building, 370,000 ft<sup>2</sup>

## CONTACT INFORMATION

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