

H.F. Lenz Company - providing cutting edge engineering solutions for **LEED™ COMMISSIONING**

HF. Lenz Company has been providing commissioning services for over 15 years. In addition to our own projects, we regularly commission building systems designed by other professionals.

H.F. Lenz Company has been a member of the United States Green Building Council since 2000 and currently has 22 LEED™ Accredited Professionals on staff. We are also registered as a Full Member Provider Firm with the Building Commissioning Association. Our commissioning projects vary across our market sectors and consist of office buildings, research facilities, data centers, healthcare facilities, green buildings, childcare facilities, visitor centers, manufacturing facilities, K-12 schools and college & university facilities including both residential and classroom buildings. In addition to new facility commissioning, H.F. Lenz Company offers a variety of Retro-Commissioning and Re-Commissioning services for existing buildings.

Our commissioning personnel are well versed in all aspects of the commissioning process from the design phase through the construction phase and operations phase/post acceptance phase. Commissioning services are carried out by our Commissioning Services Division in conjunction with members of our design teams. When these groups coordinate the commissioning responsibilities between them, the result is a fully commissioned project that has the benefit of our “hands-on” field installation/testing coupled with an in-depth understanding of design standards and practices.

H.F. Lenz Company has been providing consulting engineering services for over 60 years, offering a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$300 million in MEP construction annually. H.F. Lenz Company has 47 professional engineers who are registered in a total of 42 states and the District of Columbia.



LEED™ PROJECT EXPERIENCE:

32 LEED™ Commissioning Projects
 2 received Gold rating
 5 received Silver rating
 3 received Certified rating
 22 pending certification



LEED™ COMMISSIONING CLIENTS INCLUDE:

Aliquippa School District	The Haverford School
Allegheny College	Hocking College
Butler Shopping Center	Indiana University of Pennsylvania
CarMax, Inc.	Juniata College
Carnegie Mellon University	Massaro Corporation
Case Western Reserve University	Mountain State Blue Cross Blue Shield
CastCon, Inc.	Oxford Development Company
Clarion University	Regional Learning Alliance
Department of Conservation and Natural Resources	Sarah Heinz House
Edinboro University	Siemens Westinghouse
Franklin County	Western Pennsylvania Conservancy

COMMISSIONING AUTHORITY

BASIS OF DESIGN REVIEW

COMMISSIONING PROJECT PLANNING

DESIGN REVIEWS

CONSTRUCTION SUBMITTAL REVIEWS

EQUIPMENT INSTALLATION OBSERVATION

EQUIPMENT START-UP OBSERVATION

TAB OBSERVATION

FUNCTIONAL PERFORMANCE TESTING

14 LEED™ ACCREDITED PROFESSIONALS

BUILDING COMMISSIONING ASSOCIATION FULL MEMBER PROVIDER FIRM

O&M MANUAL REVIEW AND RECOMMENDATIONS

OWNER/USER TRAINING AND EDUCATION

DATA LOGGING, TRENDING AND ANALYSIS

SYSTEMS PERFORMANCE AND BENCHMARKING

CONTINUOUS COMMISSIONING PLANNING

RE-COMMISSIONING MANAGEMENT MANUALS

DEVELOP OWNER PROJECT REQUIREMENTS

COMMISSIONING SPECIFICATIONS

SYSTEMS MANUAL

DEVELOP FUNCTIONAL TESTS

DEVELOP PREFUNCTIONAL CHECKLISTS

DOCUMENT FUNCTIONAL TESTS

DEVELOP COMMISSIONING RECORD

CONTROL SEQUENCE REVIEW

WARRANTY REVIEW AND RECOMMENDATIONS



SIEMENS WESTINGHOUSE
MUNHALL, PENNSYLVANIA
FUEL CELL MANUFACTURING FACILITY

- Received LEED™ Certified Rating
- \$11 million construction cost
- Stratification ventilation system
- Natural daylighting and controls



WESTERN PENNSYLVANIA CONSERVANCY
MILL RUN, PENNSYLVANIA
REGIONAL INTERPRETIVE CENTER AT BEAR RUN
NATURE PRESERVE

- Received LEED™ Silver Rating
- \$2.1 million construction cost
- CO₂ monitoring and control
- Integrated daylighting controls



CASE WESTERN RESERVE UNIVERSITY
CLEVELAND, OHIO
NORTH RESIDENTIAL VILLAGE

- Middle Building is LEED™ Gold
- \$90 million construction cost
- Air-side energy recovery
- 390,000 sq.ft.



U.S. DRUG ENFORCEMENT ADMINISTRATION
PITTSBURGH, PENNSYLVANIA
NEW OFFICE BUILDING

- Received LEED™ Certified Rating
- \$10 million construction cost
- CO₂ monitoring and control
- Integrated daylight controls



ALLEGHENY COLLEGE
MEADVILLE, PENNSYLVANIA
NORTH QUAD STUDENT HOUSING

- Received LEED™ Certified Rating
- \$12 million construction cost
- Geothermal heat pumps
- Energy Recovery



CARNEGIE MELLON UNIVERSITY
PITTSBURGH, PENNSYLVANIA
300 SOUTH CRAIG STREET

- Received LEED™ Silver Rating
- \$7 million construction cost
- CO₂ monitoring/Energy recovery
- Energy consumption metering



Johnstown Headquarters
1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301
hflenz@hflenz.com

Erie Office
1001 State Street, Suite 907
Erie, PA 16501
Phone: 814-455-7435
Fax: 814-459-8363
jdombrowski@hflenz.com

Pittsburgh Office
1051 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073
Fax: 412-371-9076
dpalmer@hflenz.com