



Jason Beren, P.E., LEED AP

Jason Beren joined Pearson Engineering in 2010 bringing with him a wealth of experience in the field of HVAC engineering. A mechanical engineering graduate of the University of Wisconsin, Jason joined Kilgust Mechanical as a project manager and rose through the ranks as estimator, senior project manager, vice president of engineering and part owner. LEED-accredited and a long-time member of ASHRAE and IFMA, Jason brings impeccable credentials and a long track record of successful engineering solutions for small and large clients alike!

Having an orientation of total customer satisfaction, Jason provides his clients with an array of options from the start, to ensure that their needs are fully met: By getting involved in a project early, Jason performs detailed scope-estimating and "what-if" calculations that evaluate the cost/benefit of various system options and configurations. As a result, clients can effectively choose systems that meet the requirements of both facilities and budget with no guesswork and substantial cost overruns. Being able to execute an orderly process and achieve the desired outcomes in a timely fashion has made him especially successful in commercial, industrial, laboratory, educational and other settings where projects must be performed with minimal disruption to normal activities.

An accomplished engineer with extensive mechanical contractor experience, Jason Beren is ready to offer cutting-edge engineering solutions that fit both your time and budget requirements! Known for providing HVAC engineering services of unsurpassed quality and proven results, Pearson Engineering is proud to welcome Jason Beren to its ranks!

EDUCATION

University of Wisconsin BSME degree
U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) Certification
MCAA's Project Management Institute, University of Texas – Austin
Fundamentals of Natatorium Mechanical System Design – University of Wisconsin Madison

PROFESSIONAL AFFILIATION

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
International Facility Management Association (IFMA)
Rotary Club of Madison – Member, Board 2016-2017, President 2018-2019

WORK HISTORY

2010 Senior Project Engineer, Pearson Engineering
2008 Vice President Commercial HVAC Division, Total Mechanical
1992 Vice President Operations, Kilgust Mechanical, Inc.

SIGNIFICANT PROJECTS

CUNA Mutual Group Corporate Headquarters – Madison, WI

Ongoing HVAC Engineering Services 2000 to present, including a five-year remodeling project consisting of 21 phases of a facility of 1,000,000 square feet. Efforts have included upgrades to the data center, chiller plant, and air handling systems.

EPICENTRE® Biotechnologies – Madison, WI

An 80,000-square-foot office and laboratory facility that included clean rooms.

American Family Corporate Headquarters – Madison, WI

An addition of 500,000 square feet of office space, and data center redundancy.

Plastic Ingenuity – Mazomanie and Cross Plains, WI

A client since 1991, Plastic Ingenuity has retained Pearson Engineering to assist with projects throughout their facilities. We have established redundancy in the condenser water systems, improved winter operations, evaluated comfort and process chilled water systems to cool their thermo-forming and made recommendations to improve system performance, and designed a heat recovery system to capture energy from large air compressors and then use that heat in the warehouse.

Briggs and Stratton – Wisconsin, Missouri, and Georgia

Engineering services continue for HVAC and process support systems, including a Natural Gas use reduction effort for a facility of 1.5 million square feet of manufacturing, warehouse, and office spaces. A heating system has been replaced, connected steam load has been reduced, a steam system has been converted from high to low pressure steam, existing steam distribution systems have been analyzed to utilize that equipment with low pressure steam, industrial parts washers were converted from high to low pressure steam, a new boiler plant has been installed, and winterization energy management processes have been instituted to close up the building and shut down summer ventilation equipment. One project cost of \$3.0 M was offset by a Department of Energy (ARRA) Grant for \$1.3 M.

Wisconsin Physicians Service Insurance Corporation (WPS) – Madison, WI

Projects include boiler replacements, building modernization plans, chiller/tower replacements, Data Center redundancy improvements including a heat recovery chiller to heat the adjacent office building, along with staff development for operation and maintenance.

Tribune Tower – Chicago, IL

We converted a 1925-era high pressure steam system to low pressure steam for their landmark gothic style building on Michigan Avenue. Analysis included survey and data logging to determine the current reduced steam load. Modeling of the existing high-pressure system was accomplished, along with proposed modifications to reflect the new capacity and lower pressure. A complete new, drastically reduced in size, low pressure steam boiler plant was installed. The project was phased to keep steam available during the conversion. The project resulted in a three-year payback, due to a 38% reduction in annual gas use, significant operational labor savings, and a large utility incentive bonus.

REGISTRATIONS

Wisconsin Professional Engineer No. 33555

Wisconsin HVAC Qualifier Certification No. 647327

Missouri Professional Engineer No. 2013022006