

KRIS WESTERHUIS



SENIOR COMMISSIONING ENGINEER

Kristopher Westerhuis is a Senior Commissioning Engineer for MH Professional Engineering. His responsibilities include project management of the firm's various commissioning projects. Kris is skilled in the successful project management of multiple commissioning projects simultaneously from the RFP process through owner acceptance and the training of facility personnel. He is also responsible for the complete management of projects through design/construction documentation review and review of submittals, commissioning documentation preparation, pre-functional inspections, functional testing, and owner acceptance.

EDUCATION

Bachelor of Science
Mechanical Engineering
Norwich University

EXPERIENCE

Total: 34 years
With MH: 6 years

AFFILIATIONS

American Society of
Heating, Refrigeration
and Air Conditioning
Engineers (ASHRAE)

Certified Building
Commissioning
Professional, Association
of Energy Engineers

Building Commissioning
Association

PROEJCT EXPERIENCE

NYPA Energy Efficiency Program, Boilers and Chillers Replacement, Downstate Correctional Facility – Fishkill, NY

Commissioned systems include a new chilled water system with primary and secondary loops. Two 400-ton chillers with remote evaporators were commissioned along with new pumps, piping, and a refrigerant leak detection/exhaust system. Three new 2,000 MBH watertube boilers were commissioned along with boiler feed pumps, hot water circulation pumps, and piping. A combustion air supply system consisting of a fan, ductwork, hot water coil, circulation pump, shell & tube heat exchanger, and glycol make-up system was also commissioned. BMS integration of these new systems was also part of the commissioning scope.

Additions and Renovations, The Charlton School – Burnt Hills, NY

Commissioned systems include a new geothermal system including the wellfield, piping, pumps, glycol make-up system, and supplemental boiler. Water source heat pumps and dedicated outside air roof top units with heat recovery were commissioned, and provided HVAC throughout the academic building and gymnasium. A new emergency power distribution system was commissioned; including a gas fired generator with an ATS and power meter, as well as lighting with a software based lighting control system. A new domestic hot water system was commissioned, including a gas fired water heater, mixing valve and circulation pump. BMS integration of these new systems was also commissioned as well as the fire alarm and protection systems.

Consolidate B-Wing and Core Laboratories, Stratton VA Medical Center – Albany, NY

Commissioned systems include a new constant volume, 100% outside air, laboratory air handling unit with a run around water coil type heat recovery system. A new VAV air handling unit with associated terminal units served the administration spaces and was also commissioned. Additional commissioned mechanical systems include pumps, humidifiers, hydronic piping, ductwork and the integration of these systems into the existing BMS. Commissioned electrical systems include normal and emergency power distribution, grounding, and lighting. The structured data/communications cabling, access control, security access detection, and fire alarm systems were also commissioned.