



**Background**

Mr. Batten's expertise includes project management with plan / specification and design-build experience in institutional, industrial, and federal heating, cooling, and power generation applications. He has directed interdisciplinary engineering teams in master planning, analysis, design, construction administration and system start-up.

**Education**

BS, Mechanical Engineering  
The College of New Jersey

**Professional Licenses & Certifications**

Professional Engineer: CT, FL, LA, MD, NJ, NY, PA

**Select Project Experience**

**Hackensack University Medical Center (Hackensack Meridian Health), Hackensack, NJ**

Project Manager and lead mechanical engineer responsible for the fast-track design of a new \$70M Central Utility Plant, including 12,000-ton chiller plant, 180,000 pph boiler plant, and 7.5MW diesel generator system to serve existing and new hospital spaces. The existing central plant and the entire utility electrical service is to be removed, requiring \$30M in "enabling" phase work also prepared by Concord, which included a new 26kV electrical service and provisions to maintain hospital operation throughout the construction period. The engineering for the \$100M project was delivered on schedule and under the construction budget. The project execution involved several key components of Integrated Project Delivery (IPD) processes. The budget construction cost developed by Concord, prior to schematic design or award to a Construction Manager, was within 3% of final bid pricing.

**NRG - University Medical Center of Princeton (University of Pennsylvania Penn Medicine) Design- Build by Concord Engineering, Plainsboro, NJ**

CCHP Plant - Project Manager and lead mechanical engineer responsible for a \$31 million Combined Cooling, Heating, and Power plant based on a 4.6MW Solar Mercury 50 combustion turbine with heat recovery steam generator, 65,000 pph conventional boiler plant, 3,700-ton chiller plant, 6MW diesel generator plant, and 1MM gallon thermal energy storage tank. The turbine is black start and island-mode capable with enhanced resiliency for emergency power outages. The design-build project met contract start-up dates, including beneficial use of the chilled water plant within 7 months and of the boiler plant within 9 months from notice to proceed.

**US Naval Station, Norfolk, VA**

**Combined Heat & Power Plant/Demand Response Plant** - Project Manager for the GMP development engineering of a 13 MW CHP based on a Solar Titan 130 and 10 MW demand response plant. This project will be performed as an energy services performance contract for the Navy. The power plant will be the largest generation station at the base and will increase energy reliability and resiliency of the electrical and thermal systems.

**National Institute of Standards & Technology, Gaithersburg, MD**

**Combined Heat and Power Plant Addition** - The CHP Plant design includes one 7.9MW combustion turbine generator with duct-fired heat recovery steam generator and fuel gas compressor. The project also included the installation two (2) 3,500-ton electric chillers and free-cooling plate and frame heat exchanger.

**Aberdeen Proving Ground, Gunpowder, MD**

**Combined Heat & Power Plant** - Project Manager for the CHP plant based on a 7.9 MW dual-fuel combustion turbine generator, duct-fired HRSG with SCR, fuel gas compressor and steam plant upgrades. The turbine is capable of being fired on fuel oil for site resiliency.