

Quality By Design.

Mechanical Engineering

Some of the different services we have provided:

- HVAC design for the Hudson Valley Transportation Management Center. The building is a 74,000 sq. ft. multi-story structure that consist of a two-story State Police post, a five-story main entrance "hub", and a five-story Traffic Management Center. The project included a central boiler and chiller plant, modular air handlers and variable air volume system with reheat. The Project included redundant constant volume HVAC systems for critical areas, electronics, communications, operation center, dispatch and 911 areas.
- Analysis and design of an in-rack plastic storage sprinkler system was completed for General Electric. This included hydraulic analysis and Factory Mutual specifications.
- Designed the HVAC, fire protection system and plumbing system for a new 65,000 sq. ft. aviation hangar for the New York State Police at the Albany International Airport. The fire protection system design included a state-of-the-art foam generation system.
- Designed the HVAC, plumbing, and fire protection system for a new 41,000 sq. ft. ice skating facility for Syracuse University. The facility includes a regulation 200 ft. by 85 ft. ice hockey rink and an approximately 8,000 sq. ft. studio rink. In addition to the skating rinks, the facility includes office space, skate rental and four locker rooms.



The Mechanical Engineering Group at Clough Harbour, & Associates LLP (CHA) is experienced in a wide range of engineering services. As an Engineering News-Record top 120 full service firm, CHA possesses the expertise and resources to see even the most complex projects through from initial concept development to the final design. Our attention to detail and reputation for uncompromising quality have set us apart from the competition, and continue to make CHA the choice of public and private clients alike, including General Electric, BASF, Albany County, and many others.

Our Services Include:

- Central Utilities Plants Design
- Inspection and Assessment
- Evaluation of Existing Systems
- Laboratory Medical Gas Systems
- Fire Protection Systems
- HVAC Systems
- Industrial Ventilation
- Plumbing Systems
- Fueling Systems
- Refrigeration Systems
- Energy Studies
- Air Quality Studies
- Indoor Air Quality Studies
- Hospital Systems Design



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"Satisfying our Clients with Dedicated People Committed to Total Quality"