



# Marine Science Magnet High School Geothermal Engineering

## PROJECT INFORMATION

### CONCORD DIVISION

Commercial

### PROJECT LOCATION

Groton, CT

### MARKET

K-12 Schools

### SERVICES

Geothermal Engineering

### CONSTRUCTION COST

\$16 Million

## ABOUT THE CLIENT

Marine Science Magnet High School of Southeastern Connecticut is a public high school. Operated by LEARN as an on-going partnership among educators, industry and other community agencies, MSMHS provides a core curriculum and related activities which focus on marine subjects and are reflective of current and future marine-related opportunities. MSMHS was awarded the 2013 School of Distinction Award for the Highest Overall Performance, by the CT State Department of Education.



## PROJECT SUMMARY

Concord was selected as the geothermal mechanical engineer as part of the overall design team for the new Marine Science Magnet High School in Groton, CT.

## PROJECT HIGHLIGHTS

- Concord provided engineering, design and construction administration efforts for the geothermal heating and cooling system.
- Concord worked closely with the owner, architect and electrical/plumbing/fire protection engineers to provide a complete energy efficient design.
- The project was originally designed to be a conventional rooftop VAV System but utilizing a geothermal heat pump system allowed for CT Clean Energy Rebates with the additional energy savings of the GSHP system. This also lessened the school's need for large fuel oil storage requirements.