

## Government and Military S.O.Q.



**ALCOM Headquarters Renovations**  
Provided the design support for the demolition of the existing facility and construction of the new headquarters buildings. 2007 to 2009.



**USAF Cape Romanzof LR Radar Site**  
Provided the designs and contamination remediation plans for removal of the existing tank farm and fueling system and installation of the new facility. 2000 to 2003.



**Elmendorf Air Force Base Hangars**  
Provided the designs and construction support for the new Elmendorf F-22A Squadron Hangars 15 and 17. 2005 to 2007.

With more than 37 years of engineering and design experience in Alaska and the Pacific Northwest, Great Northern Engineering, LLC (GNE) is familiar with, and appreciates the need for, quality engineering and construction in an arctic environment. Project budgets range from \$25,000 to over \$50 million.

### GNE Project Capabilities:

- Project Management, Contractor Selection
- Project Controls and Schedule Planning
- Geotech and Survey
- Civil and Site Prep
- Structural and Foundations
- Architectural and Code Analysis
- Mechanical, Tanks, Piping, and HVAC
- Pipelines and Transmission
- Truck and Rail Loading / Unloading
- Utilities and Tie-ins
- Electrical and Instrumentation
- Control Systems and SCADA
- Permitting and Constructability Reviews
- Construction and Field Engineering Support
- Startup, Commissioning, and Turnover
- Facility As-builts
- O&M Documentation, Spare Parts
- Personnel Training
- HAZOP, SimOps, Cause & Effect, QA/QC
- API 520, 521, 570, 537, 650, 653, 1169, 2000, SPCC, STI SP001



**South Pole Cryogen Facility**  
Provided a complete design review and design assistance for the South Pole Cryogen Facility. The review included compliance and standards for storage or cryogenic fluids. 2001 to 2003.



**NSB Emergency Operations Center**  
Provided the designs for facility upgrades and new facilities for the NSB Emergency Operations Center. 2012 to 2013.



**Elmendorf Air Force Base Buildings**  
Provided the design support for several new and existing buildings at Elmendorf Air Force Base. 1992 to 2004.



**Palmer Station Pier Replacement**  
Provided the designs for a new pier and shore facility at Palmer Station on Anvers Island, Antarctica. Initial conceptual design called for three fueling system configurations. 2015 to present.