Case Study - Continuous Commissioning (CC®)

LEADING ENERGY SYSTEM UPGRADES

FACILITY: BROOKE ARMY MEDICAL COMPLEX (BAMC) – SAN ANTONIO, TEXAS

Building Specs

- Built in 1995
- 8-story multi-function medical facility.
- 1,349,707 square feet.
- Four (4) 1,200 ton chillers.
- Four (4) natural gas boilers.
- Ninety (90) major AHUs.
- Advanced EMCS system.

Continuous Commissioning Services (completed in October, 1998)

1. Optimized operation controls of chilled water plant and steam boiler system.
2. Implemented optimal control on AHUs.
3. Applied dynamic airflow reset technologies in terminal boxes.
4. Others.

Benefits

1. Maintain building comfort temperature 24 hours per day and seven days per week.
2. Reduced comfort complaints and improved system reliability.
3. Reduced HVAC utility costs by $412,000/yr (based on energy prices: $0.04/kWh for electricity and $.35/thermal for gas).

The case studies were performed by Energy Systems Laboratory at UNL and the Omaha Public Power District. The BEST staff were the key engineers.

Our Vision
To be the BEST at worldwide energy conservation, while being socially and economically responsible with ecology and the environment.