

# MAKING BUILDINGS BETTER



## AURORA POLICE HEADQUARTERS AND BRANCH COURT FACILITY

**Owner:** City of Aurora, IL

**Architect:** Cordogan Clark & Associates

**Mechanical Engineer:** Leopardo Construction

**Mechanical Contractor:** Hill Mechanical

### Customer Challenges:

Illinois' second largest city, Aurora, required new facilities to house 400 public safety employees and better serve hundreds of visitors each day. Aurora also desired LEED certification. The city wanted to create an energy efficient, sustainable building to promote a healthy environment for generations to come.

### Measurable Results of this Project:

The project is aiming for a Gold LEED rating, but the project is not expected to be completed until late 2009. The Trane equipment exceeded ASHRAE 90.1 requirements to help earn LEED Energy and Atmosphere points. The Trane M-series air-handlers featured exhaust air energy recovery to reduce the cooling required for the building. This helped the design team lower the building energy usage and earn LEED points.

The facility's Trane Tracer Summit building management system also facilitated energy optimization strategies to earn LEED points. The water-cooled screw chillers (RTHD) earned LEED points for enhanced refrigerant management.

### General Description of the Building:

The facility features a 160,000 sq. ft. main building which houses the police headquarters and branch court facility. There is also a 40,000 sq. ft. training building is located adjacent to the main building.

### Trane Equipment/Controls:

Trane Water-cooled screw chillers, M-series climate changers, VAV boxes, Tracer summit Building management system.

