The County of San Diego
Department of General Services
Energy Management

# TT400 Turbocor Compressor

## County of San Diego Juvenile Detention Facility

The TT400 Turbocor Compressor, an energy usage-reducing part for air-conditioning systems, was retrofitted to the 300-ton and 450-ton centrifugals of the Juvenile Hall Complex, which comprises of the Juvenile Court, the Juvenile Hall, and the Juvenile Probation Center, in October of 2005. In addition to saving $67,000 annually from reduced energy use, the TT400 is oil-free from its use of magnetic bearings, and employs an evironmentally-friendly refrigerant.

**Annual Electric Savings: 535,211 kWh**
**Annual Cost Reduction: $67,000**
**Incentives: $74,930**
**Simple Payback: 4.3 years**