



## Maricopa County Downtown Court Tower

PHOENIX, AZ

State-of-the-art court tower offers flexibility and sustainability for Maricopa County

CLIENT	Maricopa County
GC	Gilbane/Ryan JV
ARCHITECT	GouldEvans (core & shell); AECOM (interior design & program)
DURATION	33 Months
BUDGET	\$50 Million
SIZE	700,000 SF

Completed in 2011, this sustainable energy and water-efficient facility houses 32 courtrooms, a central juror assembly for the court campus, secure central underground parking, central in-custody holding and vehicular sally port for in-custody transfers, an underground connection tunnel to the existing tunnel system, and a pedestrian bridge that connects the new court tower to the existing central court tower, clerk of the court and office support, and judicial chambers.

The project required substantial coordination among trade partners due to the mechanical systems, technology, and A/V and security systems. The court tower's \$13M state-of-the-art security system includes extensive security features such as a programmable logic control system that is fully networked to allow control centers at multiple locations. Proximity card readers as well as fingerprint and iris scanning biometric readers are being used with IP base cameras to provide carefully planned access control. The facility also has four (4) 3000 A electrical services with two (2) 1500 KW back-up generators.

The building achieved LEED Gold certification due to the integration of several sustainability features. A variety of technologies designed to improve efficiency include efficient lighting and daylighting, use of high-recycled materials sourced from local vendors, and use of a construction waste management plan that kept over 29,000 tons of waste from landfills. Additional green features include a high-performance, reflective roofing system to reduce the Urban Heat Island Effect, low VOC-emitting materials for the building's interior, occupancy sensors and permanent monitoring



systems to minimize energy use, low-flow fixtures to reduce domestic water use, zero CFC-based refrigerants in HVAC base building systems, a comprehensive Transportation Management Program to reduce single-occupancy commuting, and wood products used were harvested from Forest Stewardship Council-certified forests.

## OFFICES

Tempe, AZ

## SECTORS

Institutional

## SERVICES

Building Information  
Modeling

## VALUE ADD

Design-Assist