

Administration Building San Joaquin County



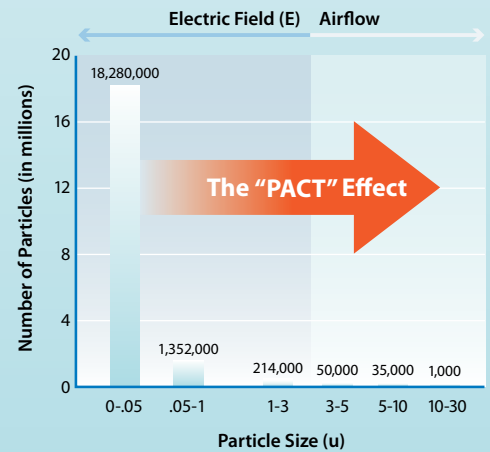
When the county of San Joaquin began planning for the addition of their latest Administration Building they set out with specific design goals in mind as our environment can no longer be an afterthought considering our limited natural resources. The objective of the mechanical design for the building was to maximize indoor environmental comfort and indoor air quality while minimizing both first-cost and overall future energy use. The 250,000 square foot building is located in downtown Stockton, California, and is comprised of a six-level office complex with one level of subterranean parking.

Prior to the construction of the building, the County of San Joaquin performed an extensive study in the area of Air Purification and subsequently required the use of the SecureAire's PACT Air Purification System to be incorporated into the design of the facility. SecureAire's PACT System also known as Particle Accelerated Collision Technology is a unique system that utilizes semiconductor airborne contamination reduction technologies to increase the efficiency and effectiveness of all air filtration systems. "PACT" is the only system that makes airflow the dominant transport mechanism and controls the behavior of fine particulates by creating inelastic collisions between particles on a sub-micron level. These collisions cause smaller particles to combine and form larger particles. This collision process significantly improves the ability of any standard filtration system to remove and reduce suspect indoor and outdoor generated contaminate levels.

The innovative design of the Counties building also provides a modern user-friendly space that incorporates features of the historic context and regional landmarks of the City of Stockton and San Joaquin County.



Particle Size Distribution in Air



Today, the facility performs at 27 percent above the California Title 24 Energy Code Requirements due to the combination of technologies utilized in the building, with Alerton Control Systems and the SecureAire's PACT Air Purification systems to name a few. The building also achieved a LEED Gold Rating for its design and performance.

Through the collective efforts of the Hensel Phelps team and the San Joaquin County Team creating an iconic design and constructing this complex building to high quality standards, the San Joaquin County Administration Building has been repeatedly acknowledged in the industry and has received multiple awards. Awards on the project include the following:

List of Awards

- Associated General Contractors of California:
Finalist - Excellence in Project Management (project over \$5M)
- National Council of Structural Engineers Associations:
2010 Outstanding Project Award
- American Public Works Association:
Project of the Year - (Sacramento Chapter) Project of the Year - (National Award)
- Western Council of Construction Consumers:
Distinguished Project Chairman's Award, Building Category
- Design-Build Institute of America (DBIA) Western Pacific Chapter:
Best Project, Public Sector Buildings Over \$15M
- California Construction:
Best of 2010 - Government / Public Building
- Engineering News Record:
Best of the Best 2010 - Government Public Building
- Construction Management Association of America Northern California
2010 Project of the Year

SecureAire is the only company in today's marketplace that has the ability to actually control the movement of particles in an indoor space.



SecureAire

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