

 Trinity Consultants is a leading global consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Within our Built Environment Division, we bring together renowned firms—Cerami, Longman Lindsey, Valcoustics, Jaffe Holden, and WorkingBuildings—under one banner. From cultural landmarks to mission-critical facilities, we deliver innovative solutions in acoustics, technology, commissioning, and operational support, driven by excellence and human-centered design.

Reducing the stress of travel through seamless technology and acoustic design.

At Trinity Consultants, we understand that airports and transportation hubs are more than just points of transit — they are complex environments where efficiency, comfort, and reliability define the traveler's experience. Reducing the stress of travel through frictionless interactions is essential to achieving world-class status as both a travel hub and a destination of distinction. Our integrated services in acoustics, technology, commissioning, and sustainability are designed to deliver environments that perform seamlessly, enhance user experience, and stand the test of time.

Acoustics for Clarity and Comfort

Acoustic design in airports and travel hubs is a whole-building discipline that addresses three fundamental challenges: achieving intelligibility for clear communication, enhancing speech privacy where appropriate, and eliminating disruptive internal and external noise and vibration. The unique acoustical demands of these facilities require balancing multiple noise sources — from passengers and concessions to mechanical, electrical, and plumbing systems — while maintaining an environment that feels calm and navigable. We work closely with clients, architects, and engineers to meet these goals in practical, cost-effective ways.

Technology and Systems Integration

Paging systems, audiovisual displays, and IT networks play a central role in traveler experience. Our audiovisual team designs paging systems that adapt to fluctuating ambient noise levels, incorporating sensing devices for intelligibility, ADA compliance, and seamless integration with Flight Information Display Systems (FIDS). We also ensure that pre-recorded announcement systems are easy to update and maintain. Beyond AV, our IT and security system designs emphasize flexibility, reliability, and compliance with evolving standards, ensuring that critical infrastructure can adapt to changing technologies while maintaining security and efficiency.



Commissioning Services

Commissioning (Cx) is vital to ensure that transportation facilities operate as intended, especially given their high occupancy, round-the-clock usage, and safety-critical systems. We verify that HVAC, electrical, IT, security, and acoustical systems deliver consistent performance under real-world operating conditions. Our team simulates alarms, tests system responses under variable loads, and optimizes sequences to ensure resilience and reliability. By prioritizing maintainability and serviceability, we help ensure that these complex facilities remain efficient, compliant, and reliable long after opening day.

Sustainability and Resilience

Sustainability is a growing priority for airports and travel hubs worldwide. We incorporate environmentally responsible practices into every project, aligning with LEED®, WELL®, and other sustainability standards. Our designs address both acoustical performance and energy efficiency by integrating noise control with high-performance building systems. Strategies such as advanced lighting and shading controls, occupancy-based systems, energy-efficient equipment, and sustainable material selection reduce environmental impact while enhancing traveler comfort.

Trinity Consultants delivers holistic solutions for airports and travel hubs — combining acoustics, technology, commissioning, and sustainability. By creating spaces that are clear, connected, resilient, and environmentally responsible, we help transform transportation facilities into destinations that elevate the traveler experience and stand as benchmarks of modern design.



Sapphire Lounge at San Diego International Airport

SAN DIEGO, CA | 11,000 SQFT

For its first Sapphire Lounge on the West Coast, Chase has created an 11,000-square-foot retreat in Terminal 2 West of San Diego International Airport (SAN) that embodies the city's coastal lifestyle. Drawing inspiration from La Jolla's surf culture and the artistic spirit of Balboa Park, the space blends luxury with a laid-back Southern California vibe. Our firm was brought on to provide acoustical consulting services, ensuring that the lounge's design delivers not only visual beauty but also an exceptional auditory experience, transforming the atmosphere into one of seamless relaxation, comfort, and sophistication.



JFK International Airport Terminal One

QUEENS, NY | 3 MIL SQFT

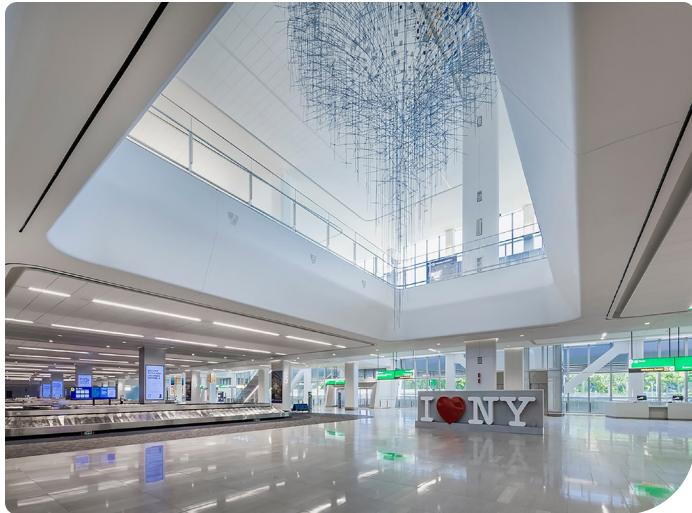
The project encompasses a 3 million square foot international terminal that forms a key component of the comprehensive \$13 billion redevelopment plan for the JFK campus, establishing it as the new gateway to New York. Terminal One will feature 23 gates dedicated to international widebody aircraft, designed to provide a world-class passenger experience. Our firm has been selected to serve as the audiovisual and acoustical consultant for this prestigious endeavor.



Newark Liberty International Airport Terminal One

NEWARK, NJ | 1 MIL SQFT

A new \$1.41 billion terminal is set to be constructed at Newark Liberty International Airport. Terminal One will encompass 1 million square feet and feature 33 gates in a two-level T-shaped configuration. This terminal is designed to be significantly more modern, efficient, and spacious compared to the previous Terminal A. Our firm has been selected to provide acoustical, information technology, and audiovisual consulting services for this project.



LaGuardia Airport Concourse B

QUEENS, NY | 1.3 MIL SQFT

The \$4 billion renovation project involved replacing dated stainless-steel columns and low ceilings with an airy, art-filled concourse dotted with trees, natural light, and soaring 60-foot ceilings. Our mission from the Port Authority was resolute: make the customer feel better. To that end, we designed the concourse, terminals, pedestrian bridge, ticketing gates, and headhouse, so they are as welcoming as possible, reducing the stress of flying for passengers and creating a calm environment for airport staff. Even the TSA offices and baggage claim area weren't overlooked. Extra care was taken in designing specific noise control measures for things like the baggage handling conveyors, which aren't even visible to passengers.