

AVIATION OVERVIEW

2021



Firm Profile

The Satterfield & Pontikes family of companies includes Satterfield & Pontikes Construction (S&P), Greco Structures, Westway Construction Services, and Rollcon. As an ENR Top 400 Contractor, S&P offers a full range of preconstruction, construction, construction management, program management, and consulting services to both public and private clients. For 32 years, S&P has continued to provide a number of delivery methods, including general contracting, construction manager at risk, CM-agency, and design-build. S&P is a recognized innovator in construction management systems and has pioneered numerous technological advancements across its solid portfolio of wide-ranging projects in the fields of aviation, healthcare, education, industrial, commercial, government, and retail distribution and manufacturing facilities.

Aviation

From new construction of large terminal facilities to renovations and expansions, S&P is successful at constructing aviation-related facilities. Our aviation work includes construction of maintenance hangars, rental car facilities, and rescue/firefighting stations; significant upgrades to baggage claim areas and handling systems; and project control services for major terminals. Key clients include Delta Airlines, John F. Kennedy International Airport, and Los Angeles International Airport.

S&P's approach to aviation-specific projects is based on building a lasting partnership between us and the client. Working in a collaborative environment, S&P engages project stakeholders to compile a comprehensive plan that details the scope, schedule, and budget requirements as well as identifying project expectations.

27

AVIATION
PROJECTS

\$11B

AVIATION
CONSTRUCTION

10M

AVIATION
PROJECTS SF

**S&P'S
AVIATION
PORTFOLIO**

2

IN-HOUSE AIRPORT
TECHNOLOGY
DEVELOPMENTS

18

AIRPORTS
WORKED ON

50

AVIATION
STAKEHOLDER
REPRESENTATION

Leading the Aviation Industry in Technology

S&P developed Assemble, one of the construction industry's most advanced web-based technologies, and continues to use this cutting-edge tool today. Assemble helps meet the needs of aviation preconstruction and construction services through providing detailed project performance data. Assemble's process allows us to accurately identify potential failure points during design and construction and intervene quickly to correct any deficiency before it arises.

For aviation-specific construction, we use Assemble to view models and manage budgets, schedules, and project controls. Assemble works with a number of 3D modeling applications such as AutoCAD, MEP, and Revit. The software incorporates a combination of features and functions, including viewing capability with Navisworks, as well as the ability to mass input data into model parameters and other fields. Assemble also has the ability to handle cost calculations. We are currently using this process to provide services for Delta Airlines at John F. Kennedy International Airport (JFK), LaGuardia Airport, and Los Angeles International Airport (LAX).

S&P IS A DEVELOPER OF NEW USCBP STANDARDS

Today, the U.S. Customs and Border Protection (USCBP) has more than 600 officers and specialists stationed at 16 Preclearance locations worldwide. S&P's aviation team assisted with the development of the latest USCBP standards for all U.S. Preclearance locations. Preclearance has proven benefits for all major stakeholders in the aviation industry, and we are committed to enhancing the safety and efficiency for this industry.

JOHN F. KENNEDY INTERNATIONAL AIRPORT TERMINAL 4 PHASE I

With the expansion of Delta Airlines at JFK, the Terminal 4 Redevelopment Program was designed to relocate Delta Operations to Terminal 4 from the existing Terminal 3. S&P managed the program and successfully increased terminal operations by more than 30%. Our program management services included design review and design assist, project controls, construction management oversight, CMR and GC oversight, installation phasing coordination, vendor and airline relocation, schedule review, and more. The new Terminal 4 now includes an expanded Concourse B, a Delta Sky Club, and significant upgrades to the BHS/CBIS and East Box.



Aviation Project Experience

S&P has a continued partnership with numerous airports. Below details our project experience in the aviation market sector.

AIRPORT	PROJECT	COST
Minneapolis-Saint Paul International Airport	ATR Aircraft Manufacturer	\$1.2M
Minneapolis-Saint Paul International Airport	Re-Control	\$13M
Shanghai Pudong International Airport	Airport Study and Satellite Terminal Design Review	\$450M
Icheon International Airport	Terminal 2 Design Development	\$1.4B
Queen Beatrix International Airport	Design Oversight	\$350M
Detroit Metropolitan Wayne County Airport	Re-Control	\$93M
Detroit Metropolitan Wayne County Airport	Civil Works	\$60M
Los Angeles International Airport	Terminal Move	\$350M
Los Angeles International Airport	Enabling	\$290M
Los Angeles International Airport	Gateway 2023	\$1.8B
Cincinnati-Northern Kentucky International Airport	Audit	\$300M
LaGuardia International Airport	Construction and Design Enhancements	\$900M
LaGuardia International Airport	Skyway	\$4.6B
Boston Logan International Airport	Controls Update	\$3M
Mexico City International Airport	New Airport Design Oversight	\$12B
Detroit Metropolitan Wayne County Airport	Re-Capitalization	\$180M
Minneapolis-Saint Paul International Airport	Capital Improvement	\$60M
John F. Kennedy International Airport	Terminal 4 Phase I	\$1.4B
John F. Kennedy International Airport	Terminal 4 Phase 2	\$300M
John F. Kennedy International Airport	Operational Oversight	\$60M
Queen Beatrix International Airport	Temporary Sort System	\$5M
Queen Beatrix International Airport	Arrivals Hall	\$7M
Dallas Love Field Airport	New Arrivals	\$11M
Louis Armstrong New Orleans International Airport	Aircraft Rescue and Fire Fighting	\$18M
Louis Armstrong New Orleans International Airport	Consolidated Rental Car Facility	\$40M
William P. Hobby Airport	Parking Garage	\$50M

S&P AVIATION SPANS

4
CONTINENTS

10
COUNTRIES

20
STATES

Global Presence Across International Airports

18 airports and counting, S&P’s work spans four continents and ten countries. Our expert aviation experience is known around the world, and we are proud to be the partners of choice who build what matters by advancing innovation to make the impossible possible. Airports include:

AMS	DTW	LAX
AUA	HOU	MEX
BOS	IAH	MSP
CDG	ICN	MSY
CVG	JFK	SLC
DAL	LGA	PVG

GET IT RIGHT FROM THE START, AND KEEP IT RIGHT!

The core components of the LaGuardia International Airport Redevelopment program include reconfiguring the airfield to accommodate the Delta fleet as well as replacing jet bridges. Both Terminal C and D are currently undergoing significant updates such as a new in-line baggage screening system, expanded security check points, and notable upgrades to public areas throughout both terminals. Additionally, a sterile connector that joins Terminal C with D is underway along with renovations and a complete redesign to the Sky Clubs in Terminal C and D. S&P is managing this large, complex program to ensure LaGuardia airport and Delta Airlines get it right from the start and keep it right!

ARUBA’S QUEEN BEATRIX INTERNATIONAL AIRPORT PROJECT

S&P provided consulting services to the Aruba Airport Authority for the new airport development plan of a \$350M terminal expansion. This improved passenger flow, added concessions, and helped develop new protocols for U.S. Custom and Border Protection Preclearance. Additionally, S&P managed the design of a \$38M high-speed baggage security screening and sortation system at Aruba’s Queen Beatrix International Airport as part of the airport’s expansion and modernization program. The new system eliminates the requirement to reclaim checked luggage and undergo a second passenger screening process.



Meet Our Key Aviation Team Members



Frank Roetzel Executive Vice President

Frank has managed a multitude of aviation projects, ranging from \$1M to more than \$4B per project. Previously practicing as an architect, owner, and a construction manager/contractor, Frank brings a well-rounded understanding of what it takes for a project to succeed. Prior to S&P, Frank worked for Continental Airlines and managed the design and construction for two Continental Airlines hub locations, IAH and CLE. He has the management experience, leadership, and knowledge, that are instrumental in the success of large airline projects.

Frank is well versed on aviation operations and understands the unique needs that aviation clients and architecture often require. He excels at coordinating construction with operations while remaining flexible during irregular work hours. Frank is also knowledgeable in understanding the implications of SIDA security as well as airside systems and roadside passenger processing, all of which are instrumental for the guaranteed success of an aviation construction project.



Matthew Russell Vice President

Matt has extensive experience in project management and construction management services, uniquely and exclusively for airport facilities. From airport planning, design oversight, and funding allocations to estimating, scheduling, and program budgeting, Matt is multi-faceted in all areas of airline construction. He also has more than 20 years' experience in passenger boarding bridges, visual guidance systems, PC air systems, 400 hz and 28VDC aircraft power systems, Federal Inspection Systems, U.S. Customs and Border Protection Systems, and more.

He is an expert in baggage handling system/checked baggage inspection systems & security screening checkpoint industries for system design and design review, electrical and mechanical installation, system controls, quality assurance, testing and commissioning, MRO, and industrial materials handling systems. Matt was also previously a member of the TSA's Office of Security Capabilities (OSC) Committee.



Mark Dinius Project Controls, Aviation

Mark leads S&P's Project Controls teams on aviation projects. He oversees all aspects of a project from construction management, cost, and schedule control to quality assurance and quality control, testing and commissioning, and final project close-out. Clients such as Delta often rely on Mark to ensure projects are well planned and executed, and able to be delivered within budget and on schedule.

Mark is also knowledgeable in S&P's Technology Services, which he previously managed before making the move to focus exclusively on aviation project controls. Mark leverages his knowledge in technology tools to improve the aviation construction process and was involved in the early development of the software program, Assemble. Mark is also experienced in estimating, trade coordination, logistics and planning, change management, production analysis, risk analysis, and management of a document enterprise system.

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