People. Planet. Progress.

Aviation
Parsons Corporation

Parsons is a technology-driven engineering, construction, and technical services firm with more than 70 years of experience. The corporation is a leader in many diversified markets with a focus on infrastructure, defense, and construction. We deliver design, construction, engineer-procure-construct (EPC), program and construction management, systems engineering and integration, related professional services, and equity investment packaged in innovative delivery solutions to commercial, private, and government customers worldwide.

Parsons has been involved in more than 450 airport projects across more than 40 countries, supporting our clients in delivering sustainable, world-class airport infrastructure through cost-effective, value-added consultancy services and at-risk construction. We work to deliver solutions to our clients across all sizes of airports, with infrastructure values ranging from tens of millions of dollars to more than $10 billion. Parsons can provide full life-cycle capital project delivery services, including strategic advisory services, feasibility studies, planning, design, construction, program and construction management, engineer-procure-construct (EPC), special systems, cyber security, and operational readiness and airport transfer (ORAT).
People. Planet. Progress.
Who we are

Core Services
- Consulting
- Planning
- Design
- Construction
- Program Management
- Construction Management
- Systems Integration
- Equity/P3/Operations

Global Markets
- Federal
  - Defense
  - Environmental
  - Infrastructure
  - Intelligence
  - Security
- Industrial
  - Buildings & Vertical
  - Communications
  - Energy & Chemicals
  - Environmental
- Infrastructure
  - Airports
  - Bridges & Tunnels
  - Ports & Harbors
  - Rail & Transit
  - Road & Highway Systems
  - Water & Wastewater

Core Values
- Safety
- Quality
- Integrity
- Diversity
- Innovation
- Sustainability

Parsons | Aviation 1
Our Portfolio

450+ Airports

$175+ Billion in construction

40+ Countries

375+ Airport experts

1,000+ Managed resources

Legend
- Confidential
  - Program/Construction Management - Greenfield
  - Program/Construction Management - Brownfield
  - Construction Contractor
  - Operational Readiness & Airport Transfer
  - Engineer-Procure-Construct
  - Design Services

Network approach
Economy of scale
Turnkey efficiency
Services
At a Glance

Service lines
- Technical Advisor
- Planning
- Design
- Construction
- EPC
- PM
- CM
- Commissioning/Operational Readiness
- O&M

Types of services
- Turnkey & Total Solutions
- Targeted & Packaged Services
- Scalable & Repeatable Frameworks
- Synergistic & Integrated Solutions

Value-added benefits
- Maximize ROI/Desired Outcomes
- Manage and Mitigate Risk
- Integrate Global Best Practices
- Drive Innovation
- Transfer Knowledge and Expertise
- Train, Develop, and Employ Local Resources

Drive innovation.
Manage risk. Deliver value.
Delivering integrated services

Simplify organization
Reduce the number of contracts to tender, award, and manage

Transfer risk
Manage one services contract and transfer risk to a single provider responsible for delivery and coordination of services

Remove inefficiencies
A single-team solution geared toward synergistic delivery of services
Our value proposition

**Optimize consultancy fees**
A single team takes advantage of the economies of scale and eliminates overlapping consultancy services.

**Optimize delivery schedule**
A focused and purpose-driven team with continuous project knowledge avoids slowdowns from additional orientation and retains progress from the initial learning curve.

**Best-in-class quality & safety services**
Implementing effective processes and procedures guarantees a standard quality delivery and industry-best safety practices.

**Collaborative problem solving**
An integrated single team secures a streamlined work flow and allows for frictionless interaction, ensuring that the focus is on project delivery.

**Clear chain of command**
Streamlining decision making through promoting accountability, advocating action, and rewarding success is an efficient and effective approach to active risk management.

**Experienced stakeholder management**
Mitigates scope creep and cost/time impact.

**Efficient Designs**
We provide best-in-class industry expertise and best practices in the development of cost-effective, constructible designs that address optimal functionality needs.

**Agile Risk Management**
We provide engaged risk management through the identification of opportunities and risk elements, the generation of probabilistic models, the identification of mitigation plans, and the implementation of customized solutions.

**Construction Market Sounding**
We assess regional market absorption rates for manpower, equipment, and materials.

**Partnering**
Building sustainable partnerships in local economies and markets to provide tailored solutions to meet specific needs.

**Logistics & Procurement Strategies**
Favorable contract packaging and just-in-time resource and material delivery to the site optimizes the logistics supply chain, increases efficiency, and drives cost reduction.

**Standardized Execution**
We implement efficient and effective solutions and services through standardized execution and best-in-class practices.

**Enterprise Program Controls**
Implementing cutting-edge controls software platforms and analytical tools provides real-time project performance metrics.

**Talent Retention**
Project experts who are engaged early in the project stay part of the team. This retains project history and localized information throughout the program.
Delivering the largest greenfield airport programs in the world
New Athens International Airport
Athens, Greece

Owner: Athens International Airport S.A.
Program Value: USD $2.5 Billion

Program Scope of Work
The project included the construction of a new capital city airport, which is located 24 kilometers east of Athens and replaces Hellinikon Airport. The new airport opened in 2001, with a capacity of 21 million passengers per year. It constituted one of the largest infrastructure projects in Greece’s history.

Parsons’ Services
- Preconstruction Services
- Program Management
- Construction Management
- Independent Consulting Engineer
- Operational Readiness and Airport Transfer

Program Details
- Two terminals with the capacity to handle 21 million passengers annually
- Accommodates 10 airlines with more than 150,000 aircraft movements
- One 4,000-meter runway and one 3,800-meter runway
- Processes nearly 77 million kilograms of cargo annually
- Includes three office buildings and a tunnel connecting to the terminal
Delivering the largest greenfield airport programs in the world
New Incheon International Airport
Seoul, South Korea

Owner: Korea Airport Construction Authority
Program Value: USD $6 Billion

Program Scope of Work
Phase 1 included a new 4,000-meter-long runway; a centralized passenger terminal building; a satellite terminal building; four remote concourses, each equipped with 32 gates; six cargo terminals; two maintenance hangars/support facilities; and an international commercial center, including hotels, exhibition halls, shops, offices, and amusement facilities.

Parsons’ Services
• Planning/Design Review
• Program Management
• Construction Management
• Commissioning

Program Details
• Overall airport size of 5,600 hectares
• Two passenger terminals: 594,000 square meters and 496,000 square meters
• 76 boarding gates, 270,000 aircraft movements
• Annual capacity of 410,000 flights, 44 million passengers
• Accommodates more than 90 airlines
• Three parallel runways: two 3,750 meters long and one 4,000 meters long
• Six cargo terminals processing nearly 2.5 million metric tons of cargo and a 3,500-square-meter cargo warehouse
• Includes recreational areas, museum, administrative buildings, and a 22-story air traffic control tower
Delivering the largest greenfield airport programs in the world
New Guangzhou Baiyun International Airport

Guangzhou, Guangdong, China

**Owner:** Guangzhou Baiyun International Airport Corporation  
**Program Value:** USD $2.9 Billion

**Program Scope of Work**
The first phase included landside facilities and a new terminal building (300,000 square meters) with 60 gates and the capacity to serve 27 million passengers and 170,000 aircraft operations annually. The new airport is five times the size of the original airport and is now a 24-hour operation.

**Parsons' Services**
- Conceptual Design
- Preliminary Design
- Construction Support

**Program Details**
- Overall airport size of 1,434 hectares
- 130-gate main terminal, connection building, and four concourses
- Two 3,800-meter runways and one 3,600-meter runway
- Processes nearly 1.3 million metric tons of cargo annually
- Includes parking facilities, a hotel, and China’s largest air traffic control tower
Delivering the largest greenfield airport programs in the world

DOH
Doha, Qatar
Hamad International Airport
Doha, Qatar

**Owner:** Hamad International Airport Steering Committee

**Program Value:** Confidential

**Program Scope of Work**
The project involved the construction of the new North Node and concourses D and E; an internal automated people mover system; 17 high-end airport lounges and activity areas; more than 140 retail, food, and beverage concessions; and miscellaneous enabling works throughout the airport campus.

**Parsons’ Services**
- Project Management
- Construction Management

**Program Details**
- Overall airport size of 3,700 hectares
- 600,000 square meters of terminals and concourses, operating 41 boarding gates and 22 remote stands
- Accommodates 50 commercial airlines, 320,000 aircraft movements
- Handled 29 million annual passengers at its opening, 50 million passengers per year upon completion, and up to 93 million per year estimated
- Two parallel runways: one 4,850 meters long and one 4,250 meters long
- Includes VIP, first, and business class lounges
- 28 art installations in and around the terminal from regional and international artists
Delivering the largest greenfield airport programs in the world
New Abu Dhabi International Airport

Abu Dhabi, United Arab Emirates

Owner: Abu Dhabi Airports Company
Program Value: USD $11 Billion

Program Scope of Work
This multi-airport capital development program encompasses the greenfield development and/or reconstruction/rehabilitation of five airports, with works centered around the USD $3 billion new Midfield Terminal Building.

Parsons’ Services
• Program Management
• Design Management
• Operational Planning
• Construction Support
• Commissioning

Program Details
• Overall airport size of 6,070 hectares
• Three passenger terminals, including the 700,000-square-meter new Midfield Terminal Building
• Handles 16.5 million passengers annually and planned to handle 50 million passengers upon completion
• Two parallel runways, each measuring 4,260 meters
• Capacity to process 2 million metric tons of cargo annually
• Includes a 109-meter air traffic control tower, airside infrastructure, and NAVAIDs and ancillary airport support facilities with cargo, maintenance, catering, and related facilities
Delivering the largest greenfield airport programs in the world

MEX
Mexico City, Mexico
Mexico City International Airport
Mexico City, Mexico

Owner: NAICM
Program Value: USD $13.2 Billion - Phase I

Program Scope of Work
The new airport will include the construction of up to six runways and two terminals. In the first phase, the expansion will include three runways and one terminal. The airport’s design will make it one of the biggest and most sustainable in the world.

Parsons’ Services - Phase I
• Program Management

Program Details
• Overall airport size is 4,950 hectares
• One large terminal of 743,000 square meters
• Designed to handle 50 million passengers annually
• Three 5,000-meter-long and 60-meter-wide runways
• Terminal design uses a continuous lightweight gridshell with internal spans reaching 170 meters
• Goal to achieve LEED Platinum certification for the terminal building
• Maintenance, catering, and related facilities
Leading large capital improvement programs
Washington Dulles International Airport

Dulles, Virginia, USA

Owner: Metropolitan Washington Airports Authority  
Program Value: USD $4.5 Billion

Program Scope of Work
The Metropolitan Washington Airports Authority’s capital construction program includes an underground automated people mover, an international arrivals building expansion, and runway expansion at Dulles International Airport.

Parsons’ Services
- Program Management
- Construction Management
- Design Management
- Program Planning
- Commissioning

Program Details
- Overall airport size of 4,790 hectares
- Three terminals handling more than 22 million passengers
- 36 air carriers making more than 300,000 aircraft movements annually
- Four runways, measuring 3,505 meters, 3,200 meters, 2,865 meters, and 3,505 meters
- Includes seven airport lounges and a 6-kilometer underground automated people mover maintenance, catering, and related facilities
- LEED certification
Construction contractor on large construction programs
Miami International Airport
Miami, Florida, USA

Owner: Miami-Dade County Aviation Department
Program Value: USD $3 Billion

Program Scope of Work
The capital improvement program included the construction of the North and South terminals and an automated people mover (APM) system connecting travelers to and from rental car facilities and regional public transportation services.

Parsons’ Services
- Construction Manager At-Risk (MIA South Terminal)
- Design Build Joint Venture Partner, Construction Contractor (MIA Mover, MIA North Terminal)

Program Details
- Overall airport size of 1,335 hectares
- Three terminals handling more than 40.5 million passengers annually
- Four runways, measuring 2,621 meters, 3,202 meters, 3,962 meters, and 2,851 meters
- Processes nearly 2 million metric tons of cargo annually
- Three parking facilities, an automated people mover with four stations, a seven-story hotel, and offices
- The MIA Mover project was the airport’s first LEED-certified project
Construction contractor on large construction programs

YYC
Calgary, Alberta, Canada
Calgary International Airport

Calgary, Alberta, Canada

Owner: Calgary Airport Authority
Program Value: USD $620 Million

Program Scope of Work
The work included the construction of a new runway, associated taxiways, an aircraft parking apron, a central de-icing facility, and other works as part of the Calgary Airport Authority’s Runway Development project. Additional work included the construction of two vehicle underpasses.

Parsons’ Services
• Construction Contractor

Program Details
• Overall airport size of 2,136 hectares
• One terminal handling 13.6 million passengers, 240,000 aircraft movements
• Four runways: 1,890 meters, 2,438 meters, 3,863 meters, and 4,267 meters
• Processes 150,000 metric tons of cargo annually
• Office buildings, a hotel, and a 610-meter tunnel
Delivering sustainable infrastructure
first LEED Gold-certified terminal in the U.S.
Delivering sustainable infrastructure
first LEED Silver-certified terminal renovation in the U.S.

LAX
Los Angeles, California, USA
Delivering
mission-critical systems
**FAA National Airspace Program**

**Various Locations, USA**

**Owner:** Federal Aviation Administration  
**Program Value:** USD $2.5 Billion

**Program Scope of Work**
This 10-year nationwide contract provides real estate acquisition, new/upgraded facility design and engineering, program management, security enhancements, environmental management, construction management, and operations and management services to support the FAA’s National Airspace System, the largest, busiest, most complex, and most technologically advanced aviation operation in the world.

**Parsons’ Services**
- Design and General Engineering Services  
- Program Management  
- Construction Management  
- Operations and Management

**Program Details**
- Average of 500 simultaneous separate projects per month  
- Construction management of new air traffic control towers, traffic control and base buildings, and modernization and site preparation for FAA facilities located in all 50 states, Puerto Rico, and Guam  
- Environmental analyses and surveys at 400 FAA sites nationwide  
- Logistics management support for government property management of more than 4,000 government-owned items

World-class airport infrastructure for a brighter, more efficient tomorrow.