New Mexico City International Airport
Parsons Corporation

Founded in 1944, Parsons Corporation — an engineering, construction, technical, and professional services firm — is a leader in diverse markets, focusing on transportation, environmental/industrial, and defense/security.

We deliver design/design-build, program/construction management, and other professional services, packaged in innovative alternative delivery methods, to government agencies and private industrial customers worldwide.

Our global reach has extended to providing these services at more than 450 airports in 40 countries, with construction values in excess of USD $175 billion. We plan, deliver, and sustain world-class airport infrastructure for a brighter, more efficient tomorrow.

Parsons Aviation — Beyond Boundaries.

Mission
Deliver, protect, and sustain infrastructure, defense, security, and industrial solutions.

Vision
Grow the organization by consistently exceeding customer expectations.

Core Values
Our core values are safety, quality, integrity, diversity, innovation, and sustainability.

Business Model
Use our people, processes, and technology to deliver engineering, procurement, construction, and value-added services to our customers on a global basis.

Work Ethos
Empower teams, respect individuals, maintain agility, own decisions, communicate clearly, enjoy work.

What is Program Management
Centralizes the process of managing the delivery of interrelated projects from inception through completion, structured to meet strategic business objectives.

Integrates global best practices, lessons learned, and subject-matter experts, driving efficient, timely, and cost-effective program delivery.

Provides robust processes and tools and sophisticated software platforms to manage complex interdependencies; deliver real-time information to support informed and effective decision-making; track key performance indicators (KPIs); and provide forward-looking analytics, forecasts, and probabilistic analysis.

Identifies and mitigates inherent risks associated with the delivery of complex, multi-year program objectives.

Increases the probability of meeting owner and end-user business objectives and drives accountability and transparency.

Process & Tools
1. Governance and delivery frameworks with associated automated workflows
2. Robust and customized performance measurement metrics and KPIs
3. Scalable reporting dashboards and project analytics at enterprise and project levels
4. Asset identification and management systems at both CAPEX and OPEX stages
What Does Program Management Do?

Define & Establish
- Capital program need and preliminary program scope definition
- Stakeholders/agencies having jurisdiction/involvement
- KPIs/performance analytics and metrics

Establish & Implement Governance & Delivery Framework
- Management and governance structure
- Delivery framework/organizational chart
- Responsibility matrix with clear roles and responsibilities
- Standard operating policies/procedures and performance measurement baseline

Establish & Implement Procurement & Commercial Governance
- Procurement and packaging strategies
- Diverse suite of form of contracts
- Bid review, evaluation, and selection criteria
- Change control mechanisms and procedures

Stakeholder Management Services
- Engage participation of stakeholders
- Establish stakeholder protocols
- Streamline stakeholder input during execution and commissioning
- Manage stakeholder expectations

Design & Construction Management Services
- Standardize design criteria across program and field supervision protocols
- Establish decision gateways throughout the design process and implement closeout protocols
- Implement design management tools and procedures
- Provide field quality supervision/compliance and procedures/oversight

Commissioning & Operational Readiness Services
- Develop and implement test plans
- Define acceptance and turnover criteria
- Establish and integrate user operating procedures
- Develop and implement operational testing

Indirect Benefits of Program Management
- Fosters open communication, accountability, and transparency
- Drives innovation
- Promotes values of safety, quality, and sustainability
- Aligns decision-makers and stakeholders
- Expedites resolution of challenges

Program Management Services
Parsons and its partners will provide a wide range of services, including program/project management, project controls (budget and schedule), design management, construction management (CM) oversight, and operational readiness and airport transfer. Parsons’ global aviation subject matter experts will provide integrated services to include:

Assessment/Programming
- Feasibility/Program/Project Studies
- Stakeholder Management/Outreach
- Program/Project Delivery Options
- Strategic Business Planning and Funding Strategies
- Budgeting, Cost Planning, and Cost Estimating
- Scheduling
- Packaging Strategies, Phasing, and Logistics Planning

Procurement, Contract, and Commercial Management
- Design Standards Development and Design Reviews
- Program Controls/Risk Management
- Safety, Quality, and Sustainability Management
- Facilities Commissioning
- Operational Readiness and Airport Transfer
- Operations and Maintenance Planning

Dubai Metro | Dubai, UAE | USD $8 Billion | Program Management and Construction Management
Aceh Road Bridge Reconstruction | Banda Aceh, Indonesia | USD $282 Million | Design and Construction Management

Lusail Development Project | Doha, Qatar | USD $5.5 Billion | Program Management and Construction Management
Great Belt Eastern Bridge | Storebælt, Denmark | USD $600 Million | Construction Management

Riyadh Metro | Saudi Arabia | USD $22.5 Billion | Program Management

Missile Defense Agency | Throughout Northern Hemisphere | Engineering and Support Services
Client: Athens International Airport S.A.

Program Value: USD $2.5 Billion

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

Airport 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

ATH
New Athens International Airport | Athens, Greece

Korea Airport Construction Authority

Program Value: USD $6 Billion

Program Scope: 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’ Scope:
- Planning
- Program Management
- Design Review
- Construction Management
- Commissioning

Airport 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 a golf course, spa, ice skating rink, casino, indoor gardens, museum, administrative buildings, and a 22-story air traffic control tower

ICN
New Incheon International Airport | Seoul, South Korea
### CAN
#### New Guangzhou Baiyun International Airport | Guangzhou, Guangdong, China

**Client:** Guangzhou Baiyun International Airport Corporation  
**Program Value:** USD $2.9 Billion  
**Program Scope:** 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’ Scope:** Conceptual Design, Preliminary Design, Construction Support  
**Airport details:** Overall airport size of 1,434 hectares  
Handles 52 million passengers annually with 394,000 aircraft movements  
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

### DOH
#### Hamad International Airport | Doha, Qatar

**Client:** Doha International Airport Steering Committee  
**Program Value:** USD $15 Billion  
**Program Scope:** 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; more than 140 retail, food, and beverage concessions; and miscellaneous enabling works throughout the airport campus.  
**Parsons’ Scope:** Project Management, Construction Management, Commissioning  
**Airport Details:** Overall airport size is 3,700 hectares  
600,000 square meters of terminals and concourses, operating 41 boarding gates and 22 remote stands  
Accommodates 20 commercial airlines, 320,000 aircraft movements  
Handles 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  
Seven cargo airlines processing 2 million metric tons of cargo annually  
Includes first- and business-class lounges, a 2,100-square-meter public mosque, and a crescent-shaped air traffic control tower
**AUH**

**New Abu Dhabi International Airport** | Abu Dhabi, United Arab Emirates

**Client:** Abu Dhabi Airports Company  
**Program Value:** USD $11 Billion  
**Program Scope:** 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’ Scope:** Program Management, Design Management, Operational Planning, Construction Support, Commissioning

**Airport Details:**  
Overall airport size is 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

**MEX**

**New Mexico City International Airport** | Mexico City, Mexico

**Client:** NAICM  
**Program Value:** USD $14 Billion  
**Program Scope:** 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’ Scope:** Program Management

**Airport Details:**  
Overall airport size is 4,600 hectares  
One large terminal of 560,000 square meters  
Handles 50 million passengers annually  
Two 4,500-meter runways and four 4,000-meter runways  
Terminal design uses a continuous lightweight gridshell with internal spans reaching 170 meters  
Aiming for LEED Platinum certification
Leading large capital improvement programs

**Washington Dulles International Airport | Dulles, Virginia**

**Client:** Metropolitan Washington Airports Authority

**Program Value:** USD $4.5 Billion

**Program Scope:** 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’ Scope:**
- Program Management
- Construction Management
- Design Management
- Program Planning
- Commissioning

**Airport 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
- Processes nearly 250,000 metric tons annually
- Includes seven airport lounges and a 6-kilometer underground automated people mover

**Miami International Airport | Miami, Florida**

**Client:** Miami-Dade County Aviation Department

**Program Value:** USD $3 Billion

**Program Scope:** The capital improvement program included the construction of the North and South terminals and an automated people mover system.

**Parsons’ Scope:**
- Construction Contractor

**Airport Details:**
- Overall airport size of 1,335 hectares
- Three terminals handling more than 40.5 million passengers annually
- 250 based aircraft with more than 387,000 aircraft movements
- 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
**YYC**

**Calgary International Airport**  | Calgary, Alberta, Canada

**Client:**
Calgary Airport Authority

**Program Value:**
USD $620 Million

**Program Scope:**
The work includes 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 includes the construction of two vehicle underpasses.

**Parsons’ Scope:**
Construction Contractor

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**Airport 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

Includes office buildings, a hotel, and a 610-meter tunnel

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**SFO**

**San Francisco International Airport**  | San Francisco, California

Delivering sustainable infrastructure first LEED Gold-certified terminal in the U.S.

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**LAX**

**Los Angeles International Airport**  | Los Angeles, California

Delivering sustainable infrastructure first LEED Silver-certified terminal renovation in the U.S.
**FAA National Airspace Program**

**Client:**
Federal Aviation Administration

**Program Value:**
USD $2.5 Billion

**Program Scope:**
This is a 10-year nationwide contract to provide 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’ Scope:**
- Design and General Engineering Services
- Program Management
- Construction Management
- Operations and Management

**Airport 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

**Developing and deploying cutting-edge program controls systems**

**Sustaining assets**
- Sustaining Infrastructure
- Resiliency
- Cyber Security

**Beyond Boundaries**
World-class airport infrastructure for a brighter, more efficient tomorrow

**WE PLAN**

**WE DELIVER**

**WE SUSTAIN**
PARSONS
AVIATION
BEYOND BOUNDARIES