

PARSONS

# 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.

### Parsons' Story

Parsons is a global engineering, construction, technical, and professional services firm.

13,000+ employees

\$3B+ annual revenue

\$700B+ construction

### Parsons' Global Markets

Transportation

Defense

Communications

Energy

Environmental

Facilities

Infrastructure

Intelligence

Life Sciences

Security

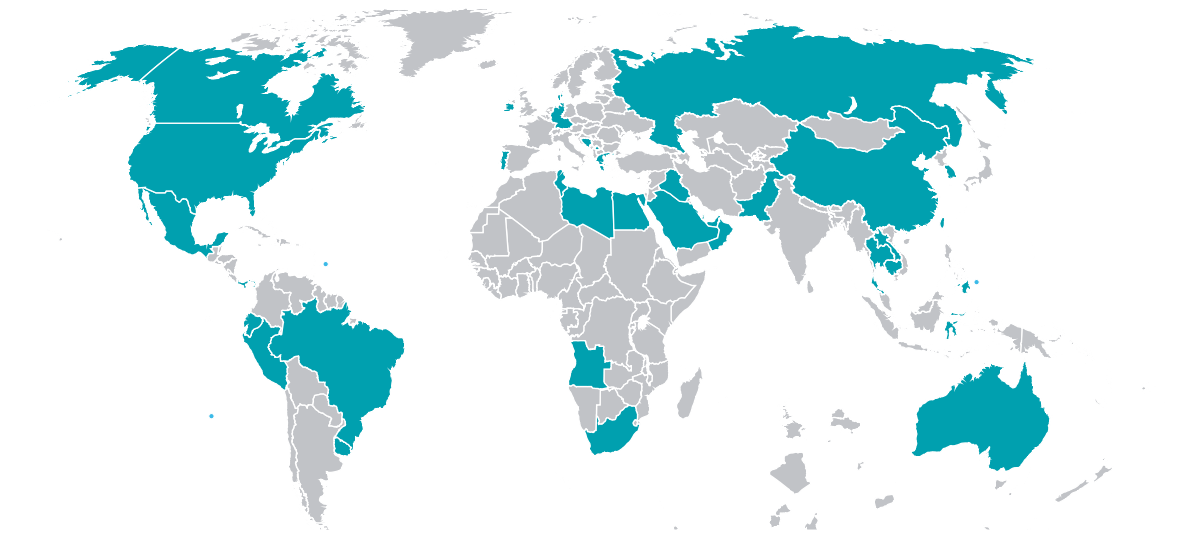
Water/Wastewater

72 years

6 continents

80+ languages

## Parsons' Global Reach



Angola	Canada	Greece	Marshall Islands	Peru	Saudi Arabia	UAE
Aruba	China	Indonesia	Mexico	Philippines	South Africa	Uruguay
Australia	Denmark	Iraq	Oman	Pitcairn Islands	South Korea	USA
Bosnia-Herzegovina	Ecuador	Ireland	Pakistan	Portugal	Taiwan	Vietnam
Brazil	Egypt	Libya	Palau	Qatar	Thailand	Western Samoa
Cambodia	Germany	Macedonia	Panama	Russia	Tunisia	

450+ airports

\$175B+ construction

40+ countries

## 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



**U.S. Navy & U.S. Air Force Singapore Base Operations** Paya Lebar Air Base, Changi Naval Base | USD \$90 Million | Supply and Logistics Support



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



**Missile Defense Agency** | Throughout Northern Hemisphere | Engineering and Support Services



**U.S. Department of Defense & Intelligence Community Information Assurance Services** | Various U.S. Locations | Information Assurance, Information Systems Security, Communications Security, Risk Management



Delivering the largest greenfield airport programs in the world



## ATH

New Athens International Airport | Athens, Greece

### 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



## ICN

New Incheon International Airport | Seoul, South Korea

### Client:

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





## 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



## IAD

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

Construction contractor on large construction programs



## MIA

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

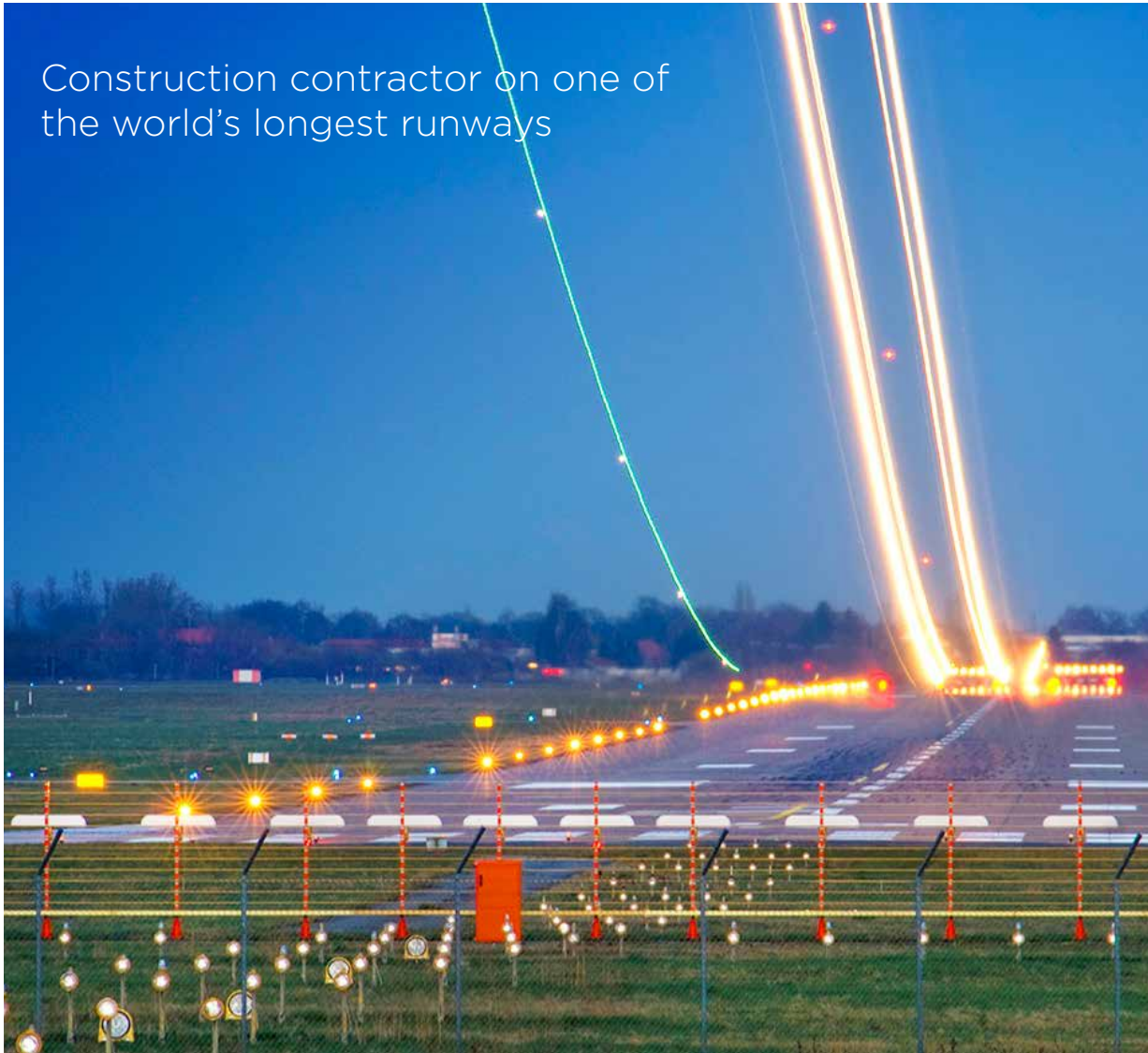
Four runways, measuring 2,621 meters, 3,202 meters, 3,962 meters, and 2,851 meters

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



Construction contractor on one of the world's longest runways



**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

**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

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



**SFO**

San Francisco International Airport | San Francisco, California

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



**LAX**

Los Angeles International Airport | Los Angeles, California



## Delivering mission-critical systems



### 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



An aerial photograph of an airport runway at sunset. The sky is a gradient of orange and red, transitioning into a dark blue over the runway. The runway has white markings, including a central line and side lines. A small aircraft is visible on the tarmac to the right. The overall mood is serene and professional.

**PARSONS**  
AVIATION  

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BEYOND BOUNDARIES