AVIATION

Part of a diversified family of solutions

jmt.com

About Us

Johnson, Mirmiran, & Thompson (JMT) is a full service architectural/engineering firm serving clients throughout the United States since 1971. We have successfully completed thousands of projects for a wide range of clients including federal, state, and local government agencies, and private institutions.

JMT's aviation professionals provide a range of services including program management, grant administration, aviation planning and design, and construction administration to airport authorities and other aviation clients.

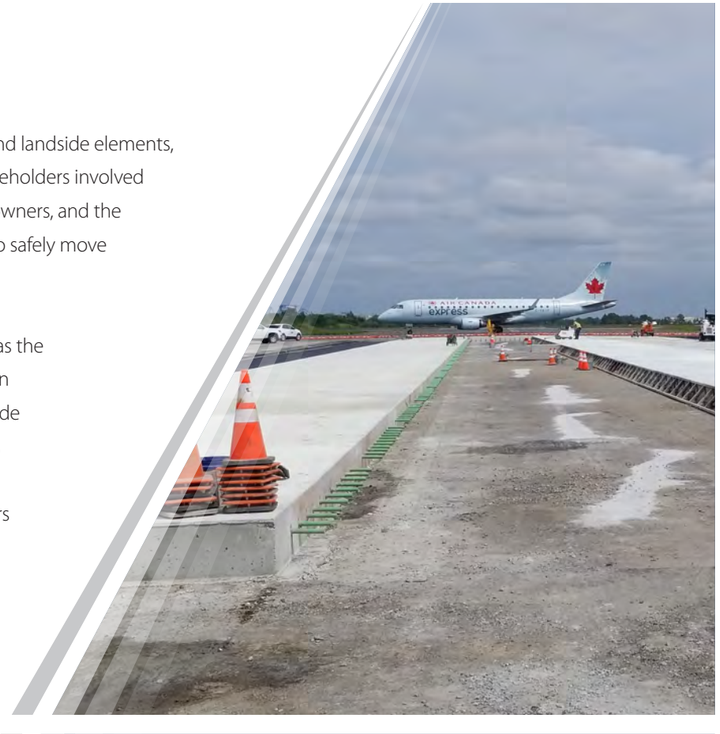
JMT's technology solutions include BIM, facility management, GIS, enterprise information management and data standards, application development, business analysis, and staff augmentation services. Our staff of experienced professionals consistently deliver innovative and cost-effective solutions that are custom designed to meet your aviation project goals and your life cycle asset management needs.

Aviation

Aviation design requires a knowledge of airside, terminal, and landside elements, operations, and tenant and security needs. The array of stakeholders involved demands a keen understanding of the needs of agencies, owners, and the public. Unique to the marketplace, aviation facilities serve to safely move products and people worldwide.

With airport campuses often resembling small cities, JMT has the experience to support the varied and numerous needs of an airport's infrastructure involving landside, terminal, and airside improvements. We can assist with locating funding sources and creating budgets and schedules for improvement and expansion projects. From our planners and design engineers developing plans and documents, to our construction managers and inspectors verifying for the owner that everything is being built according to specifications, JMT has the knowledge to successfully provide services to any airport client.

Our experienced professionals consistently deliver custom designed, innovative, and cost-effective solutions to meet your aviation project goals.



Project Types

- Terminals
- Runways, Aprons & Taxiways
- Master Plans
- Heliports
- Aviation Support
- Passenger Boarding Bridge Engineering
- Hangars & Maintenance Facilities
- Airport & Airfield Security
- Communications
- Utilities
- Airfield Lighting & NAVAIDS
- Roadways & Bridges
- Parking Facilities
- Military Airfields & Infrastructure
- BIM, GIS & Enterprise Information Management
- Facilities Management

Services

Grant Administration

Agency, Contractor & Consultant Coordination

Public Involvement/Community Outreach

Program Planning & Justification

Program Budgeting, Allocation & Validation

Design/BIM Standards, Development & Review

Web-Enabled Asset Management Tools

Construction Management & Inspection

Value Engineering

Systems Integration

Design Change, Cost & Document Control

Security Assessments

BIM/Plan/Drawing Review

Constructability Reviews

CPM/4D Scheduling

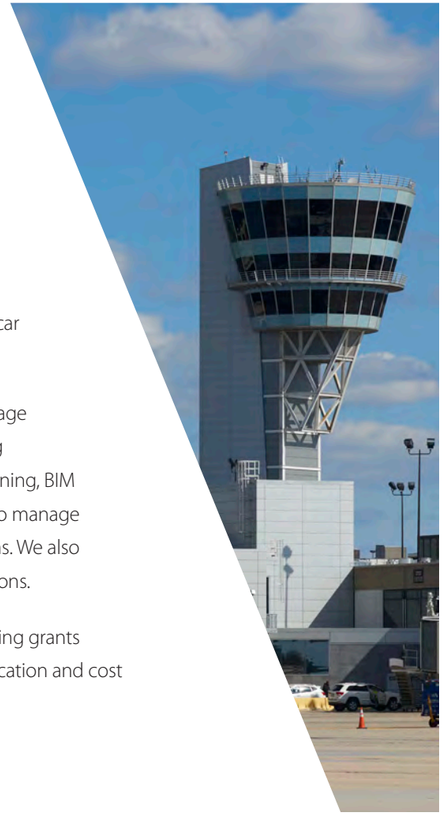
Construction Phasing

Program & Project Management

JMT has successfully managed airport construction programs in excess of $1 billion. Individual program components have included expansion of airport terminals, comprehensive airfield improvements, perimeter security and access controls, communications, roadways, bridges, parking facilities, utilities and utility plants, and rental car facilities.

We provide complete project/program management services, and have the ability to manage all phases of an airport capital program. JMT can maximize today's technologies supporting integrated project delivery and better project outcomes. Whether the project involves planning, BIM and data standards development, design, or construction, JMT has the staff and expertise to manage the technology requirements, process, anticipate issues, and provide cost-effective solutions. We also provide skilled project management staff to work within our clients' engineering organizations.

We have assisted aviation clients in obtaining federal grants to fund eligible projects, including grants from FAA and TSA. JMT's roles have ranged from providing strategic planning, project justification and cost estimating, through administration of the entire application and reimbursement process.



Engineering & Architectural Planning & Design

JMT has the in-house expertise to perform all aspects of aviation planning and design. We can provide clients with services including project planning, preliminary and final design utilizing BIM and 3D analysis tools, cost estimating, construction documents, bid analysis and award, and construction administration, management, and inspection. Our services include coordination and oversight of our project team to achieve the highest quality work. JMT's thorough understanding of the design process results in technical and quality procedures that are seamlessly implemented to the benefit of our clients and result in outstanding project success.

JMT's capabilities enable dynamic problem solving and streamline communication across the project life cycle. Our practical applications of BIM, 3D printing, visualization, and integrated project information support our airport clients' decision needs and increase team cohesion and understanding throughout design and construction. Critical information created during design is made available for subsequent facility management, operations, and the overall sustainability of the asset.

Our process adds value, decreases risk to budget and schedule, and produces better projects.

Services

Airport Planning

Airport Engineering

Architectural Design/BIM

Hydrology & Hydraulic Design

Geotechnical Engineering

Mechanical/Electrical Engineering

Highway/Civil-Site/Structural Engineering

Security

Surveying

Subsurface Utility Engineering

Environmental Permitting

Utility Design & Coordination

Quality Assurance

Construction Management & Inspection

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