



TETRA TECH

complex world | **CLEAR SOLUTIONS™**

Airports and Aviation

Connecting the world through the air

WATER

ENVIRONMENT

ENERGY

INFRASTRUCTURE

NATURAL RESOURCES



Serving Airport and Aviation Needs



Tetra Tech helps our clients address the constant change and increasing demands for safety and efficiency in the airport and aviation industry. Tetra Tech offers a broad range of consulting and project management services related to planning, engineering design and construction, airport and air carrier operations, airport and airline safety, environmental management, and program support services.

Service Areas

PLANNING, DEVELOPMENT AND REGULATORY REQUIREMENTS

- Safety Management Systems (SMS)
- Airport certification pre-audit inspections
- Airport operations manuals (AOM)
- SMS quality assurance audits
- Emergency planning
- Master plans
- Land use and development plans
- Funding applications (ACAP)
- Feasibility studies
- Greenfield site selection
- Strategic business plans
- Life cycle facility management
- Multi-modal analysis
- Traffic impact assessments
- Capacity and level of service analysis

ENVIRONMENT

- Environmental assessments
- Environmental management system (EMS) development
- EMS compliance auditing
- Environmental management planning
- Greenhouse gas (GHG) emission inventory
- Wildlife risk assessment and management planning
- Wildlife management training
- Noise exposure forecasting
- Glycol studies

CONSTRUCTION MANAGEMENT

- Tendering services
- Materials procurement
- Construction phasing
- Traffic analysis and control
- Resident field services
- Construction contract management
- Contract administration
- Quality assurance
- Field testing

ENGINEERING

- Airside and groundside civil and electrical assessment and design
- Apron and gate planning
- Loading bridge procurement
- Airside pavement markings
- Asset and pavement management
- Plan of construction operations
- Loading bridge procurement
- Fuel system design and monitoring
- Navigational aids and approach system design
- Industrial and control design (baggage handling systems, integration of human-machine interface systems)
- Building design engineering (mechanical, structural, and electrical)
- Project management services



Winnipeg International Airport Cargo Apron



Halifax International Airport Runway Extension



Windsor International Airport MRO Facility



Rankin Inlet Airport Airfield Rehabilitation



Vancouver International Airport Fuel Tank Farm



Calgary International Airport - Taxiway Restoration

Planning and Development

Tetra Tech's multi-disciplinary team offers a broad range of planning and development services to the airport industry—master plans, land use plans, strategic business plans, scoping studies, greenfield site selection, life cycle analysis, funding applications support, multi-modal analysis, traffic impact assessments, and capacity and level of service analysis.

Technology

Tetra Tech's suite of non-destructive pavement assessment technology includes Pavement Surface Profiling (PSP-7000), FWD/HWD strength testing, and subsurface thickness determination utilizing Road Radar™. This technology provides a highly synchronized solution for advanced and cost effective airfield and roadway asset management. The PSP-7000 vehicle combines accurate linear and spatial referencing with pavement profiling, digital right of way and 360° panoramic digital videologs, 3D pavement profiles for assessing pavement distress, FOD potential, and kinematic terrestrial LiDAR measurements.

Airport Engineering

The Tetra Tech engineering team offers airport services for airside and groundside civil and electrical design; airside pavement markings; apron and gate planning; navigational aids and approach system design; infrastructure assessment and management; plan of construction operations; fuel systems; mechanical, structural, and electrical engineering; site inspection; and project management.

Operations and Safety Management

With experts in operations and safety, Tetra Tech is well positioned to offer services that support safe airport operations—airport certification, aerodrome standards and recommended practices, airport operations manuals, airside maintenance services, bird and wildlife management, emergency planning, emergency rescue services support, and winter operations.

Tetra Tech has been a leading provider of safety management system services for Canadian certified airports since 2007. Our scope is all encompassing, from SMS design and implementation through regulatory SMS operational and system quality assurance audits.

Environmental Services

Tetra Tech's reputation as a leading provider of environmental services allows us to support our clients in preparing environmental assessments, environmental management systems, environmental management systems compliance audits, greenhouse gas emissions inventories, noise exposure forecasting, and glycol environmental studies. In collaboration with the Airports Council International, Transport Canada, Toronto Pearson and Zurich International Airports, Tetra Tech developed the Airport Carbon and Emissions Reporting Tool that is now used by airports worldwide.



Winnipeg International Airport Expansion
Owner's Representative



PSP-7000 Vehicle



Prince George Airport
Runway Extension



Tetra Tech is a leading provider of consulting, engineering, program management, construction management, and technical services. The Company supports government and commercial clients by providing innovative solutions to complex problems focused on water, environment, energy, infrastructure, and natural resources. With 13,000 employees worldwide, Tetra Tech's capabilities span the entire project life cycle.



Seamless: From Planning to Operations

Change is constant in the aviation industry. Airspace is in demand, and airports are expanding and improving infrastructure while meeting more stringent safety, security, regulatory, and environmental standards.

Tetra Tech provides clear solutions to our clients' most complex challenges. Our multi-disciplinary team ensures a seamless transition from planning to final operations.

Our safety and operations professionals collaborate closely with airport operators and regulators to facilitate safe airfield construction through to final project commissioning.

Our People

Our clients recognize Tetra Tech's ability to provide expert program management, excellent service, and innovative solutions. Our professional staff come from a broad range of backgrounds in the aviation and transportation industry. Tetra Tech has successfully completed hundreds of assignments for airports, airlines, navigational facilities, and government agencies worldwide.

Company Facts

Annual Revenue

\$2.5 billion U.S. (FY14)

NASDAQ Symbol

TTEK

Geographic Reach

more than 300 offices worldwide

Airports and Aviation Headquarters

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