

Cityworks gives airports a powerful, convenient way to visualize GIS data. A heat-map display quickly shows problems on the runways.

Aviation Asset Management

Cityworks®

Airports of all sizes are challenged to improve operational performance and traveler experiences in spite of shrinking budgets and growing costs. The various needs of airport business functions—from operations and maintenance to planning, design and sustainability—all require the integration and accessibility of data from multiple information systems. Woolpert can help you properly align and effectively manage your data.

Woolpert's solutions support your entire enterprise, improving operational efficiency of daily operations and lowering costs. Our comprehensive asset management solutions analyze your data and systems to improve performance, provide actionable information and create measurable increases in benefits to every department across your airport.

Asset management extends the life of assets through a more structured approach to capital improvement efforts, providing a predictive budget and helping minimize major repairs or complete overhauls.



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Asset Management

Asset management is made up of two highly integrated components:

- An asset management program helps define how an organization can improve levels of service while minimizing total cost of ownership for infrastructure assets
- An enterprise asset management (EAM) system provides accessible information for the acquisition, maintenance, operation, rehabilitation and disposal of these assets to support organizational objectives

Value to Your Airport

CEO and Board

Management has a better understanding of future needs to help them more competitively service customers, providing enhanced customer service and airport development.

Budget and Finance

The budget and finance department encounters fewer unforeseen post-budget capital needs, can forecast 10 years and beyond for capital improvements and operations and maintenance needs, and can establish price paths to address changing infrastructure investment needs.

Operations and Maintenance

Operations can focus on achieving operational efficiency/effectiveness and service level outcomes; maintenance has increased support for improved processes and practices. Safety Management Systems (SMS), Part 139 and related FAA reporting also is enhanced.

Planning and Engineering

Planning can incorporate requirements for infrastructure and assets in airport asset management plans and allows a greater lead time on project workloads. Processes for continuous improvement are incorporated in design and construction standards, and the airport has improved engineering records, data and knowledge management.

IT

IT has a greater awareness and understanding of the specific system functionalities. This helps them support the airport through enhanced services and technology integration.

Environmental

The airport is more sustainable, is aware of the environmental consequences of infrastructure failures and has the ability to pre-plan mitigations.

Our Suite of Services

Visioning/Planning

- Workflow analysis
- Business process re-engineering

Data Development

- Asset inventory
- Facility condition assessments

Enterprise Software and Systems

- GIS integration
- Asset management program development and software implementation
- System implementation and integration

Cityworks®

Run your airport more efficiently with Cityworks

Cityworks is a proven GIS-centric asset management solution that Woolpert implements to perform intelligent and cost-effective inspection, monitoring and condition assessment. **Woolpert has partnered with Cityworks on over 200 implementations at facilities and organization nationwide.** We offer this same impactful solution to airports of all sizes—from small regional airports to larger hubs.

Airports can use their GIS data to visualize and organize data in new ways by implementing Cityworks, and Woolpert can help your airport leverage this powerful, cost-saving tool. When you partner with Woolpert for a Cityworks implementation, your airport has access to a team of information technology, asset management and aviation experts, who provide seamless integration at your airport.

Benefits For:

Maintenance

Cityworks allows staff to view outstanding work orders in real time. Work orders can be prioritized by criteria (Part 139 or discrepancy, for example). Users can see only work orders assigned to them—making the Cityworks maintenance panel fully customizable for each airport’s needs.



Pavement panels are broken out in the GIS, enabling management, operations and maintenance to see which areas fail more often. Maintenance can see locations of work orders geographically through Cityworks.

Operations

Airfield inspections can be completed directly in Cityworks, enabling fully digital reporting and fieldwork with no need for an office visit.

Inspection
Details

Comments

Id: 815 Apply to All:

Location:

Status: Closed

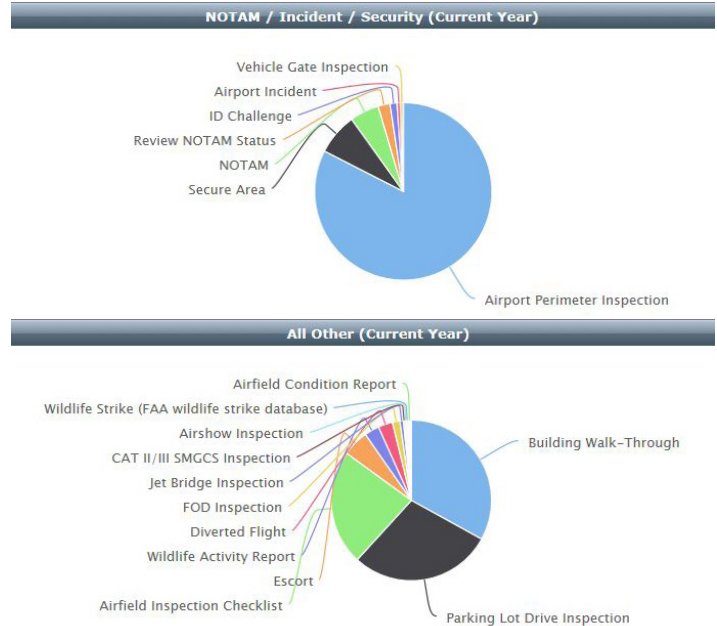
Insp. Date: 9/29/2015 5:03 AM Inspected By: FISHER, CHRISTOPHER

Pavement Areas

Pavement Lip Over 3"	Unsatisfactory
Hole 5" Dia., 3" Deep	Unsatisfactory
Cracks/Spaling/Bumps	Satisfactory
FOD: Gravel/Debris, etc	Corrected
Rubber Deposits	Satisfactory
Ponding/Edge Dams	Satisfactory
Ruts/Humps/Erosion	Satisfactory

Management

Cityworks enables managers to see what is happening at their airport in a single glance. The management dashboard can be customized to show a variety of metrics—from open airfield discrepancy priorities to the distribution of operations logbook entries—allowing managers to see trends in data and make well-informed decisions.



Reporting

Airports can create and run reports against Cityworks data. Reports can show work orders opened during a shift, unsatisfactory findings, NOTAMs created and other pre-configured reports. Airports can create as many reports as needed—and Woolpert assists in customized reporting to fit each airport’s needs.

RFD - Part 139 Airfield Inspection Report			
05/05/2015		Evening Shift	
AIRFIELD INSPECTION			
Logbook #	Inspected By	Inspection Date/Time	
25	OAKLEY, ZACHARY	5/5/2015 10:56:00PM	
AIRFIELD DISCREPANCIES			
Discrepancies are indicated in red and no discrepancies in black. Work Orders handled during this shift are listed below.			
Pavement Areas		Lighting	
A. Pavement Lip Over 3"	Satisfactory	A. Obscured/Dirty/Faded	Satisfactory
B. Hole 5" Diam/3" Deep	Satisfactory	B. Damaged/Missing	Satisfactory
C. Cracks/Spaling/Bumps	Satisfactory	C. Inoperative	Unsatisfactory
D. FOD: Gravel/Debris/Etc	Satisfactory	D. Faulty Aim/Adjustment	Satisfactory
E. Rubber Deposits	Satisfactory	Navigational Aids	
F. Ponding/Edge Dams	Satisfactory	A. Rotating Beacon	Satisfactory
G. Ruts/Humps/Erosion	Satisfactory	B. Wind Indicators	Satisfactory
Safety Areas		C. REILS/VGSI Systems	Satisfactory
A. Drainage/Construction	Satisfactory	Snow and Ice	
B. Objects/Fragile Bases	Satisfactory	A. Surface Conditions	NA
Public Protection		B. Snowbank Clearance	NA
A. Fencing Gates	Satisfactory	C. Lights/Sign Obscured	NA
B. Signs	Satisfactory	D. NAVAIDS/Fire Access	NA
Wildlife Hazards		Construction	
A. Dead Birds	Satisfactory	A. Barricade Lights	Satisfactory
B. Flocks of Birds/Animals	Satisfactory	B. Equipment Parking	Satisfactory

Benefits of Working with Woolpert

- **Extensive in-house geospatial and engineering services** to guide a project from start to finish
- **13 staff members who are certified by the Institute of Asset Management**, providing vetted, industry-leading service
- Focus on key performance indicators to identify and evaluate **successful strategies for improving efficiency**
- **Experienced IT staff** seamlessly combines disparate systems into enterprise solutions
- Commitment to **minimizing impact on day-to-day business** while implementing new systems

Asset Management Experience	Visioning/ Planning	Data Development	Enterprise Software and Systems
Chicago O'Hare/Midway		X	X
Dayton International	X	X	X
Federal Aviation Administration	X	X	X
Honolulu - Hawaii DOT	X		X
Houston Airport System	X	X	X
Atlanta Hartsfield-Jackson		X	
Indianapolis International	X	X	X
Boston Logan International	X	X	
Minneapolis Airports Commission		X	X
Miami International	X	X	X
Orlando International		X	
Phoenix Sky Harbor International	X	X	X
Port Columbus International	X	X	X
Port of Portland	X	X	X
Rockford International	X	X	X
San Antonio International	X	X	
San Diego International	X	X	X
San Francisco International	X	X	
Tulsa International	X	X	X

For more information, please call 800.414.1045 or visit our website at woolpert.com

