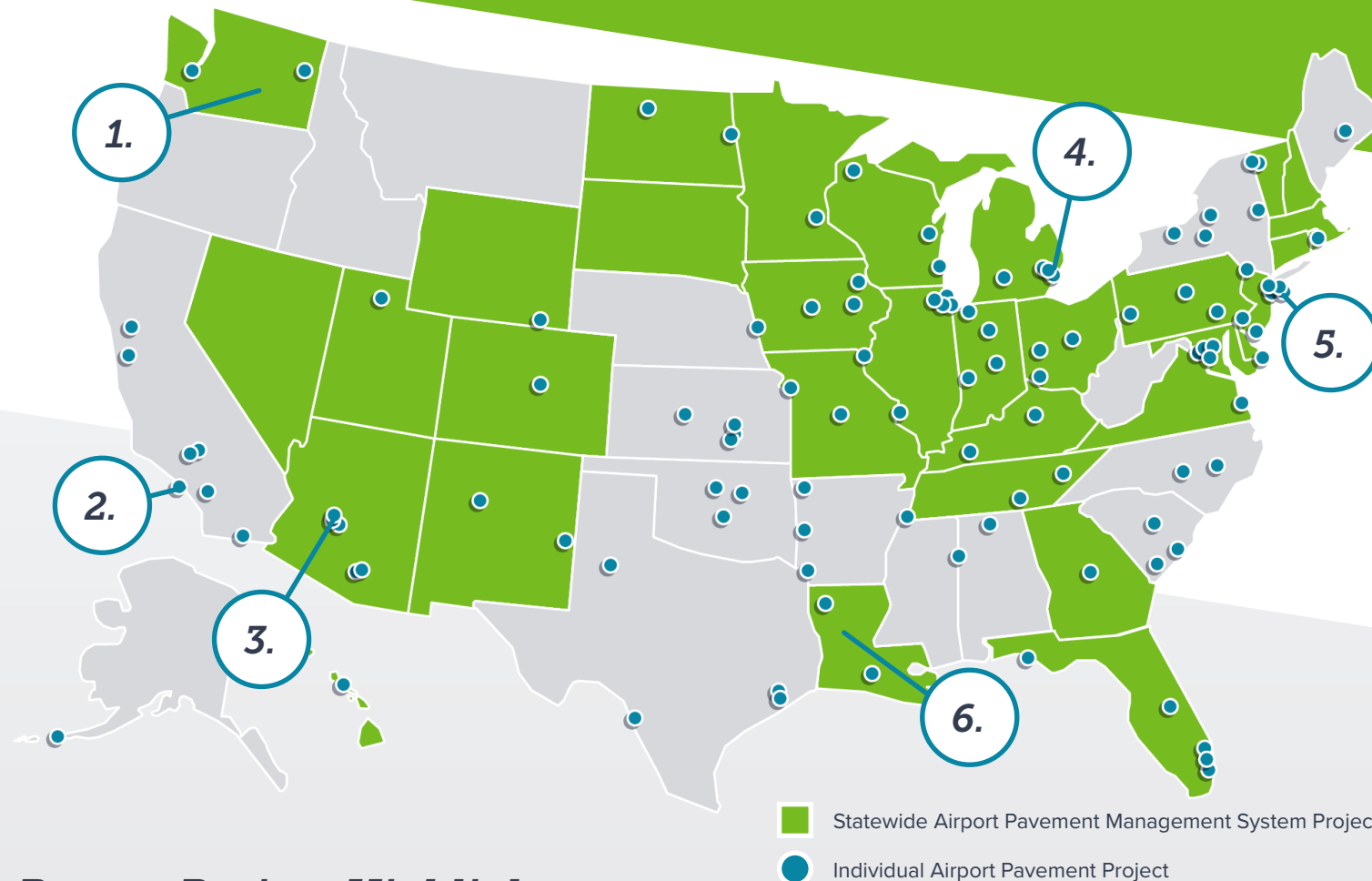
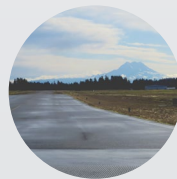


AIRPORT PAVEMENT ENGINEERING

Let APTech take your pavement engineering projects to the next level.



Recent Project Highlights



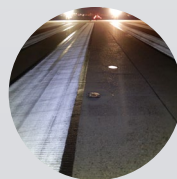
1 WASHINGTON STATEWIDE APMS

- ▶ PCI inspections
- ▶ PAVER database update
- ▶ Development of maintenance and rehabilitation (M&R) plan
- ▶ Public outreach
- ▶ IDEA update



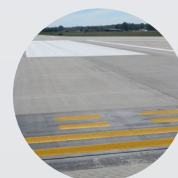
2 LOS ANGELES WORLD AIRPORTS (LAX)

- ▶ PCI inspections
- ▶ Distress mapping
- ▶ PAVER database update
- ▶ FWD testing
- ▶ Development of multi-year M&R plan
- ▶ Pavement management, PCI, and PAVER training
- ▶ Runway pavement design



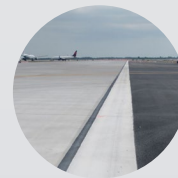
3 PHOENIX SKY HARBOR

- ▶ PCI inspections
- ▶ PAVER database update
- ▶ FWD testing
- ▶ PCN determination
- ▶ Development of multi-year M&R plan
- ▶ IDEA development
- ▶ Groove assessment



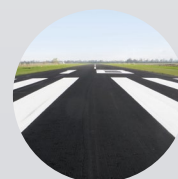
4 DETROIT WAYNE COUNTY METROPOLITAN AIRPORT

- ▶ PCI inspections
- ▶ PAVER database update
- ▶ FWD testing
- ▶ Development of multi-year M&R plan
- ▶ IDEA update
- ▶ Taxiway and apron pavement design



5 PORT AUTHORITY OF NEW YORK AND NEW JERSEY

- JFK, Newark, LaGuardia, Stewart, and Teterboro airports
- ▶ PCI inspections
 - ▶ Distress mapping
 - ▶ PAVER database update
 - ▶ Automated data collection services
 - ▶ Smoothness and skid testing
 - ▶ Development of multi-year M&R plan
 - ▶ Forensic investigations



6 LOUISIANA STATEWIDE APMS

- ▶ PCI inspections
- ▶ PAVER database update
- ▶ FWD testing
- ▶ PCN determination
- ▶ Development of multi-year M&R plan
- ▶ IDEA development
- ▶ PCI and PAVER Training

ABOUT US

Since 1994, Applied Pavement Technology, Inc. has provided clients with the expertise to develop practical and innovative solutions for the design, maintenance, preservation, and rehabilitation of airport and roadway pavements.

SERVICE AREAS

State Aviation Agencies • Commercial Airports
Department of Defense • National Transportation Agencies • State Transportation Agencies
Local Municipalities • Private Agencies

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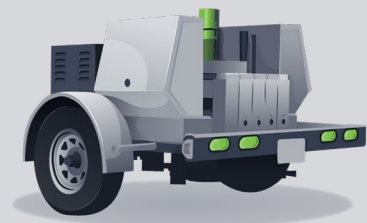
Pavement Evaluation & Design

APTech offers a wide array of services to assist with your next evaluation and design project. Our services include assessing your pavement's performance, identifying causes of deterioration or defects in pavement design or construction, and designing appropriate maintenance and rehabilitation (M&R) strategies. We use state-of-the-art equipment and analysis tools to address your airport's specific needs.



VISUAL EVALUATIONS

- ▶ Project-level PCI inspections
- ▶ Automated data collection using our Enhanced Data Gathering Equipment (EDGE)
- ▶ Distress mapping



STRUCTURAL EVALUATIONS

- ▶ Falling weight deflectometer (FWD) testing
- ▶ Dynamic cone penetrometer (DCP) testing
- ▶ Coring
- ▶ Structural remaining life analysis
- ▶ Structural deficiency calculations
- ▶ Pavement Classification Number (PCN) calculations
- ▶ Load transfer efficiency testing
- ▶ Corner slab support/void detection testing

Our Approach to Pavement Management

A Pavement Management Program (PMP) provides decision-makers with the information and tools needed to effectively manage their vital pavement infrastructure.

Here's how it works.



1 INVENTORY & NETWORK DEFINITION

We inventory your pavement infrastructure and break it down into sections by use, condition, construction history, and other factors.



2 PAVEMENT EVALUATION

Pavement conditions are assessed using the visual and structural methods described in the evaluation and design section to the left.



3 DATABASE CUSTOMIZATION & GIS INTEGRATION

Our experienced staff create a PAVER pavement management database and customize it to meet your agency's specific needs. GIS links are established during this phase.



4 ANALYSIS & RECOMMENDATIONS

We calculate inventory and condition statistics, estimate remaining life, identify short- and long-term pavement needs, and develop M&R strategies to address these needs.



5 DELIVERABLES

Our deliverables typically include reports, executive summaries, web-based applications, GIS integration, maps, and more.



6 TRAINING

Training is a frequent part of our PMP projects, including courses on the PCI procedure, PAVER software, and M&R techniques.

Cutting Edge Data Visualization

Our Interactive Data Exchange Application (IDEA) is a data visualization tool that helps you and your stakeholders see and understand valuable pavement information in an accessible, web-based format. It's currently being used by over twenty transportation agencies across the nation, representing results for hundreds of airports.



Use IDEA to visually communicate your airport's:

- ▶ Inventory data
- ▶ PCI inspection results
- ▶ Work history summaries
- ▶ Georeferenced photos of pavement conditions
- ▶ Network-wide maps illustrating:
 - ◆ Overviews
 - ◆ PCI conditions by pavement sections
 - ◆ Surface types
- ▶ Multi-year pavement condition forecasts
- ▶ Maintenance guidelines and recommendations