SciAps
ApNotes
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Cloud+ for Lead Paint Inspections

Simplifying Inspection Data Management and Reporting



Industry Challenge

Lead paint inspections require accurate measurements, complete documentation, and reliable record keeping. Traditionally, inspection data is downloaded from handheld XRF analyzers to a desktop computer before it can be reviewed, organized, and incorporated into a final report. This process adds administrative work and can delay reporting, particularly when inspectors are working in the field or across multiple job sites.

Manual data transfers also create opportunities for missing or incomplete records. Supervisors may not be able to review an inspection until the analyzer returns to the office, limiting their ability to identify issues while the inspector is still on site.

Cloud+ Solution

Cloud+ creates a connected workflow between SciAps handheld XRF analyzers and a secure web-based dashboard. Inspection measurements are automatically synchronized to the cloud, creating a continuously updated backup while making project data accessible to authorized users from Windows or Mac computers.

Inspectors can continue working in the field while managers and supervisors review data remotely. Because Cloud+ is web-based, inspection data and reports can be accessed from virtually any browser without requiring a dedicated Windows PC or manual USB transfers.

Workflow

During a lead paint inspection, the inspector collects measurements using SciAps handheld X-550 Pb XRF analyzer.

Cloud+ automatically synchronizes inspection data when a connection is available, including:

- XRF measurement results
- Job numbers and address
- Custom Test Info fields, such as housing components and test locations
- Photos from analyzer's internal cameras
- Analyzer and inspector identification



Inspection results from multiple analyzers can be combined into a single project and report. Authorized users can search and review measurements, verify inspection completeness, and generate reports directly from the Cloud+ dashboard.

Reports can also incorporate supporting documentation such as floorplans, licenses, inspection notes, and photographs.

Key Features for Lead Paint Inspections

Multi-Analyzer Workflows

Combine measurements collected on multiple SciAps analyzers into a single project and report, making Cloud+ particularly useful for organizations managing multiple inspectors or inspection teams. (See Figure 1.)

Continuous Data Backup

Inspection results are automatically backed up to the cloud as they are collected, keeping data secure and eliminating manual downloads or USB transfers. (See Figure 2.)

Cloud-Based Reporting

Generate PDF reports directly from Cloud+ and access them from Windows or Mac computers. Supporting documents, photographs, floorplans, licenses, and inspection notes can be incorporated into the final report. (See Figure 3.)

Remote Review

Supervisors can access inspection data remotely and review measurements by inspector, analyzer serial number, or project. This allows potential issues or incomplete inspections to be identified before the inspector leaves the site.

Centralized Project Records

Organize inspection measurements by property, address, job number, inspector, or other custom fields. Multiple analyzers can contribute data to the same project, keeping inspection records together. (See Figure 4.)

Operational Benefits

- Faster Reporting
- Improved Data Management
- Greater Visibility
- Simplified Collaboration

Summary

Cloud+ streamlines lead paint inspection workflows by connecting SciAps handheld XRF analyzers to a centralized platform for data synchronization, project management, remote review, and reporting.

By eliminating manual data transfers and making inspection information accessible from virtually anywhere, Cloud+ helps inspection organizations reduce administrative work, improve data visibility, and produce complete reports more efficiently.

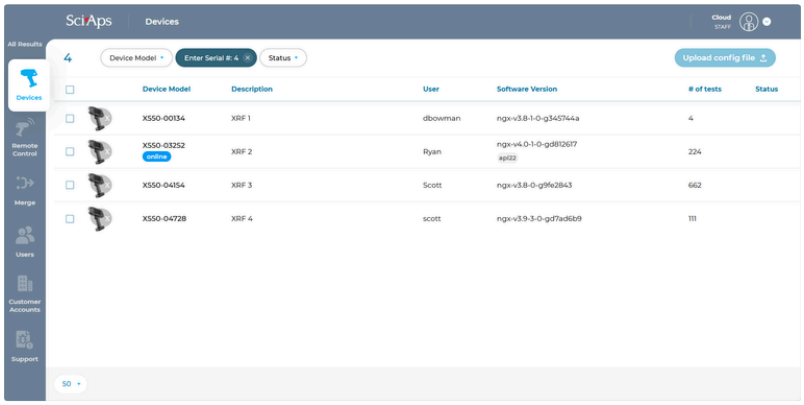


Figure 1: Manage the entire fleet and confirm Wi-Fi connection. Update software, adjust Test Info, and control access

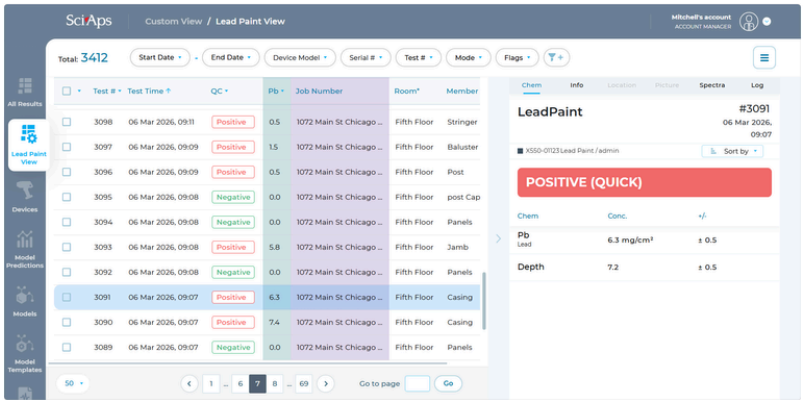


Figure 2: Watch the inspection data sync in real time. Review chemistry, Test Info, GPS coordinates, Photos, and more

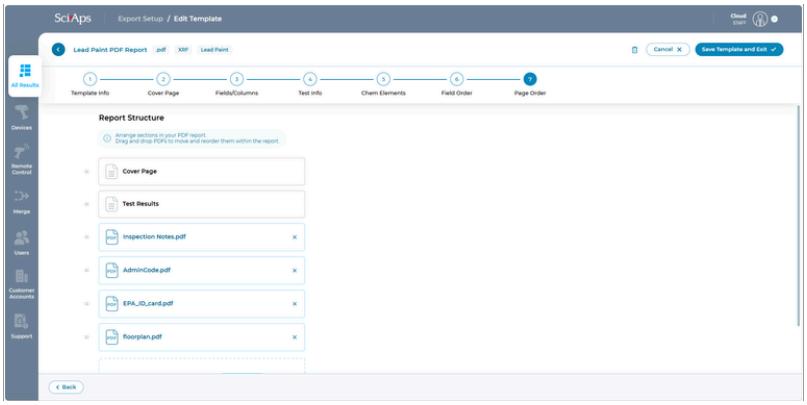


Figure 3: Upload and arrange custom supporting documents for a polished final report

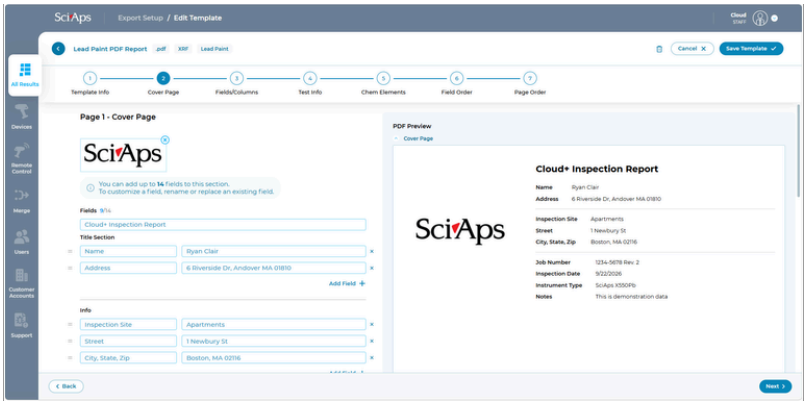


Figure 4: Create report templates with a live formatting preview. Critical attributes are automatically fetched from the Analyzer

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