

CASE STUDY

Digitalizing Laboratory Operations at IRIS Laboratories, USA

IRIS Laboratories x Fiscal Ox

Client Overview

IRIS Laboratories is a nationally accredited environmental analytical laboratory serving clients across multiple testing programs. Its analytical capabilities include asbestos, mold, lead and metals, silica, water, VOC, air, soil and waste testing. With multiple analytical workflows and formal quality requirements, efficient sample, result, report and laboratory-resource management is critical to day-to-day operations.

The Challenge

Analytical requirements across testing departments were largely managed through paper records and Excel-based processes. When customers raised questions about completed analyses, tracing the relevant work and identifying the root cause could take significant time. Report preparation, documentation and inventory tracking also required considerable manual effort.

Laboratory Information Management System (LIMS)

Fiscal Ox implemented its LIMS to bring laboratory information, analytical workflows and records into a structured digital system. Teams can now trace completed analytical work within seconds, making it easier to investigate customer queries and identify the relevant workflow, records and supporting information.

The system also automates key reporting and documentation activities, reducing time spent preparing routine laboratory records. Inventory visibility allows teams to know where laboratory items are located, monitor available quantities and keep track of remaining stock directly through the system.

Measurable Impact

Key Area	Impact
Analytical traceability	Relevant work and records accessible within seconds
Customer queries	Faster investigation and root-cause tracing
Reports & documentation	Generated with greater system automation
Inventory visibility	Location and availability of laboratory items tracked digitally
Stock monitoring	Remaining inventory quantities easier to monitor
Laboratory workflow	Less dependency on paper and Excel

Faster Traceability. Better Laboratory Control.

IRIS operates under multiple laboratory accreditations, including NVLAP, AIHA-LAP, NJ NELAP and NYS DOH ELAP, with accredited work aligned to ISO/IEC 17025:2017 requirements. Digitized laboratory records and traceable workflows provide a stronger foundation for managing analytical information and supporting quality-focused laboratory operations.

The Outcome

Faster analytical traceability | Automated reporting & documentation | Better inventory visibility | Less paper & Excel dependency

Fiscal Ox helped IRIS move toward a more structured and traceable laboratory environment, giving teams faster access to analytical records, reducing repetitive documentation work and improving visibility across laboratory inventory.

Now they spend less time searching for records and preparing reports, and more time focusing on laboratory analysis.

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