Essential Tools for Your Digital

5 LABORATORY TRANSFORMATION

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Trusted outcomes, powered by science

Can you imagine what it would be like to work today without the use of computers?
This scenario changed decades ago, yet many laboratories still make limited use of commercially available technology, relying on Excel spreadsheets and even traditional "pen and paper" for their processes.

Discover 5 game-changing tools that will transform your laboratory. This eBook reveals how to modernize your operations, drive productivity, boost quality, and maximize efficiency—empowering your lab to stay ahead in today's competitive landscape.

1. Cloud Laboratory Information Management System (LIMS) Software

Transcription errors, questionable results, delays in publishing reports, and difficulties finding information—all of these factors can be solved with the use of a robust LIMS system. However, for many companies, the high costs and complex implementation of traditional LIMS software often put this solution out of reach.

The evolution to a SaaS (Software as a Service) model offers a fast, cost-effective way to implement and manage your laboratory information management system. Hosted securely in the cloud, a SaaS solution ensures high speed connectivity, robust security, and seamless performance. With a SaaS model, you'll receive continuous updates, expert management, and the flexibility of a predictable monthly subscription.

"

Confience's SaaS LIMS Solution has really stepped up our data security and compliance.

Our whole lab runs more efficiently and reliably now.

"

Sam Farag

Instrumentation and LIMS Administrator, Fairfax County Deparment of Public Works and Environmental Services.

2. Data Acquisition from Laboratory Equipment

Data transcription is a leading source of error in laboratories, compromising result reliability and consuming valuable analyst time. Transcription not only reduces team productivity but also diverts resources from more meaningful, skilled work.

Automatic data acquisition eliminates this stage of repetitive and potentially error-prone work in the analysis process, allowing the results generated by laboratory equipment to be sent directly to the **LIMS software.**

3. Integration with Corporate Systems

A streamlined production process leads to superior quality control. That's why seamless communication between the laboratory's system and company-wide software—such as ERP and MES—is essential. By connecting these platforms, you ensure accuracy, consistency, and efficiency across every stage of production.

Systems integration guarantees everything from automatic sample recording to the enterprise system to the publication in real time. This enables the production team or manager to make quick, informed decisions.

4. Use of
Mobile Devices

Even with a state-of-the-art LIMS and fully integrated analytical equipment, accessing a computer isn't always convenient. Without dedicated solutions for mobile devices like phones and tablets, your team might find themselves reverting to paper—undoing your lab's digital progress. Whether in the lab or out in the field, integrated applications with the LIMS system let you capture data electronically in real time—no paper, no mistakes.

This streamlined process boosts efficiency, preserves data integrity, and ensures complete traceability every step of the way.

5. Customer Portal – Data Sharing Solution

An integrated customer portal eliminates the hassle of manually preparing and sending reports. Drawing directly from your LIMS database, the system provides 24/7 access to sample status, test results and can automatically send reports, invoices, and more to the appropriate contacts.

This streamlined process gives your customers fast access to information they need to operate efficiently. Through the results customer portal, customers can track samples, review analysis history, identify deviations and trends, and make informed business decisions that drive their business forward.

All of these tools can be found natively and fully integrated into the **myLIMS platform.**

Hundreds of organizations have chosen **myLIMS** to automate their laboratories and improve quality control, ensuring efficiency, regulatory compliance and accuracy in their results.

If you are interested, please request a demo by clicking here.

myLIMS

by confience