



STARLIMS

STARLIMS Chemical, Petrochemical & Refining LIMS solution

A modern laboratory information management system designed to simplify complex processes and provide laboratories actionable information.

“STARLIMS centrally manages samples and streamlines associated laboratory processes to allow us to provide real-time analytical quality data and has greatly enhanced our ability to serve as service control point for all aerospace fuels and related products for AF systems worldwide.”

Mr. Dave Fisher, Chief, Laboratory Division, Air Force Petroleum Agency

A COMPREHENSIVE SOLUTION

Addressing all of your core laboratory management needs, STARLIMS offers a complete solution that helps you achieve your testing laboratories objectives faster, easier and support you optimize your laboratory resources. Designed for the Petrochemical and Refining industries, STARLIMS streamlines processes and improves automation with your lab operations.

STARLIMS supports all aspects of the laboratory Quality Control (QC) process including:

- Schedule based collection and testing of sample points, batch and quality control samples
- Batch-based testing, release, and the generation of certifications of analysis
- Testing and result comparison for blending, merging, and re-grading of product
- Statistical Process Control (SPC) via control charts and trending analysis

STARLIMS is an all-encompassing solution featuring:

- Equipment maintenance and calibration
- Analyst certification and training
- Laboratory inventory management
- Vessel management
- Environmental monitoring testing
- Outsource testing
- Data visualization and reporting

INCREASE EFFICIENCY WITH BETTER RESOURCE UTILIZATION

Costly manual processes that involve highly educated individuals performing business-critical data entry work is an inefficient use of resources. STARLIMS automates many of the steps involved in data entry allowing your personnel to focus on processing laboratory testing samples, not typing. One example of how STARLIMS does this is by reducing data entry tasks. This is partially facilitated by the ability for instrument integration without the need for programming.

STARLIMS provides a Web portal that allow your clients to submit testing requests. The Customer Web portal provides visibility to your clients of the status of their requests, furthermore provide you visibility of the upcoming samples that need to be processed by your lab, therefore allowing to plan efficiently the laboratory work.

ENSURING COMPLIANCE THROUGH INTELLIGENT AUTOMATION

Customer or regulatory standards can change based on what time of year it is and/or where in the world the product is manufactured.

Laboratories are tasked with adhering to the increasing and changing requirements. With STARLIMS laboratories are better able to meet product requirement challenges by:

- Automating testing schedules with consideration for regional, customer, seasonal requirements, shifts and holidays.
- Streamlining the management of specifications.



HIGHER PRODUCTIVITY AND FASTER TURNAROUND TIMES

With STARLIMS, routine data analysis and calculations are automated, allowing laboratory managers to focus on reviewing trends and making decisions. By automating the right tasks and by consolidating to a centralized web-based solution, laboratories are able to dramatically increase throughput and decrease turnaround times. Some of the benefits you can expect are:

- Streamlined analysts' method certifications visibility and re-certifications alerts and day-to-day workload management and data centralization.
- Rapid decision-making is made possible with accurate data accessible from a centralized system via the use of visual dashboards.
- Optimized laboratory management is achieved via efficient scheduling, resource and equipment allocation.

STARLIMS – A SOLUTION FOR EACH ROLE

Lab Manager	Automated workload management, optimized work assignment, informed scheduling, sample and test review and approval
Lab Analyst	Full sample and test lifecycle; instrument integration Electronic Lab Notebook and Method execution
QA Manager/Qualified Person/QC Manager	Batch Management, COA generation and Specifications Management
Operator	Notification of pending samples; ability to print sample collection schedules into the future; automatic handling of missed samples

STARLIMS ADVANCED ANALYTICS INFORMATION INTEGRATED FOR FAST DECISION- MAKING

Have a clear picture of your laboratories efficiencies, bottlenecks and trends. Laboratory managers are faced with many decisions today. It can be challenging and time consuming to gather data to make informed decisions. The great thing about the LIMS is that it stores large amounts of data about each day's lab activity.

Analyzing this data, looking at trends and patterns over time can provide insights for root cause analysis, such as bottlenecks causing performance issues, identify opportunities for improvement. Laboratory Managers need data to make decisions and help build a business case for new resources. Put the power of STARLIMS Advanced Analytics to work to quickly provide you with the data you need to make effective decisions to run your lab.

STARLIMS REQUEST MANAGEMENT PORTAL MANAGE YOUR CUSTOMERS' REQUESTS FOR TESTING.

STARLIMS Quality Manufacturing solution provides a single point for collaboration and exchange of information such as results and Certificate of Analysis (CoA). The Request Management Portal allows your customers to create and submit test requests directly to a Contract Lab (internal STARLIMS users) – submit material tests, approve, reject and request more information. Our Request Portal allows customers to track the progress of their requests at all times.

SAP S4/HANA INTERFACE

We have certified STARLIMS Quality Manufacturing Solution with SAP S4/HANA. The STARLIMS interface with SAP S4/HANA is an extension of our existing interface with SAP QM-IDI and ESS. The interface allows the mapping and exchange of information between the two solutions.



starlims.com

STARLIMS

Tel: +1 954 964 8663
4000 Hollywood Blvd, Suite 333 South,
Hollywood, FL 33021-6755 USA

ASIA PACIFIC

Tel: +852 2793 0699

JAPAN

Tel: +813 4555 1000

AUSTRALIA

Tel: +61 3 9843 7100

LATIN AMERICA

Tel: +1 954 964 8663

CANADA

Tel: +1 888 455 5467

NETHERLANDS

Tel: +31 72 511 8100

FRANCE

Tel: +33 1 61 37 02 00

SPAIN

Tel: +34 91 663 67 64

GERMANY

Tel: +49 2302 915 245

UNITED KINGDOM

Tel: +44 161 711 0340

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