

# LABORATORY INFORMATION MANAGEMENT SYSTEM

## Background

Columbia Energy & Environmental Services (Columbia Energy) offers a proven, innovative laboratory information management system (LIMS) with extensive functionality that is fully integrated into the Windows® environment. The OmniLIMS™ offers clear and concise graphical displays, configuration tools, system utilities, and automated routines that enable supreme ease of use and full integration with other laboratory, quality, and enterprise systems for maximum laboratory productivity and data quality.

OmniLIMS can be configured as either a two- or three-tier client server system and supports all popular computing hardware, operating systems, and database platforms to allow operation across a wide variety of laboratory types and industrial applications. This approach also enables a wide dynamic range in implementation scale providing consistent solutions whether serving a handful of analysts in a single laboratory or many hundreds of system users located across multiple laboratories and sites. The integral language module also provides local



language support for those organizations needing to implement a common laboratory information management solution across different countries and time zones.

## Highly Configurable

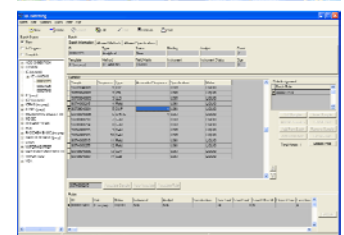
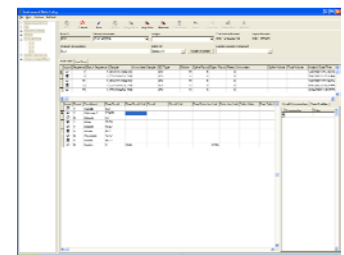
In every laboratory environment, there is a certain level of uniqueness. With the competitive nature of the industry, it is natural that a laboratory will attempt to shape its process to produce the best results with the least amount of effort. The implementation of a LIMS must follow suit. OmniLIMS supports this with graphical, laboratory oriented configuration options that provide a high degree of fit for even the most demanding requirements. This enables laboratory specific modifications to be undertaken by using “point and click” configuration screens, and menus within the system itself. Importantly, this eliminates the need for modification of the underlying source code and enables site-specific modifications to be realized, but without compromising support or restricting future upgrade potential as found in less flexible systems.

## Modular Architecture

Not all LIMS offer the flexibility of OmniLIMS. Our approach provides a full suite of functionality without the burden of carrying features you don’t need. By providing basic and advanced functionality in modules, customers implement the system in a way that makes sense for their operations.

Among the primary modules you will find:

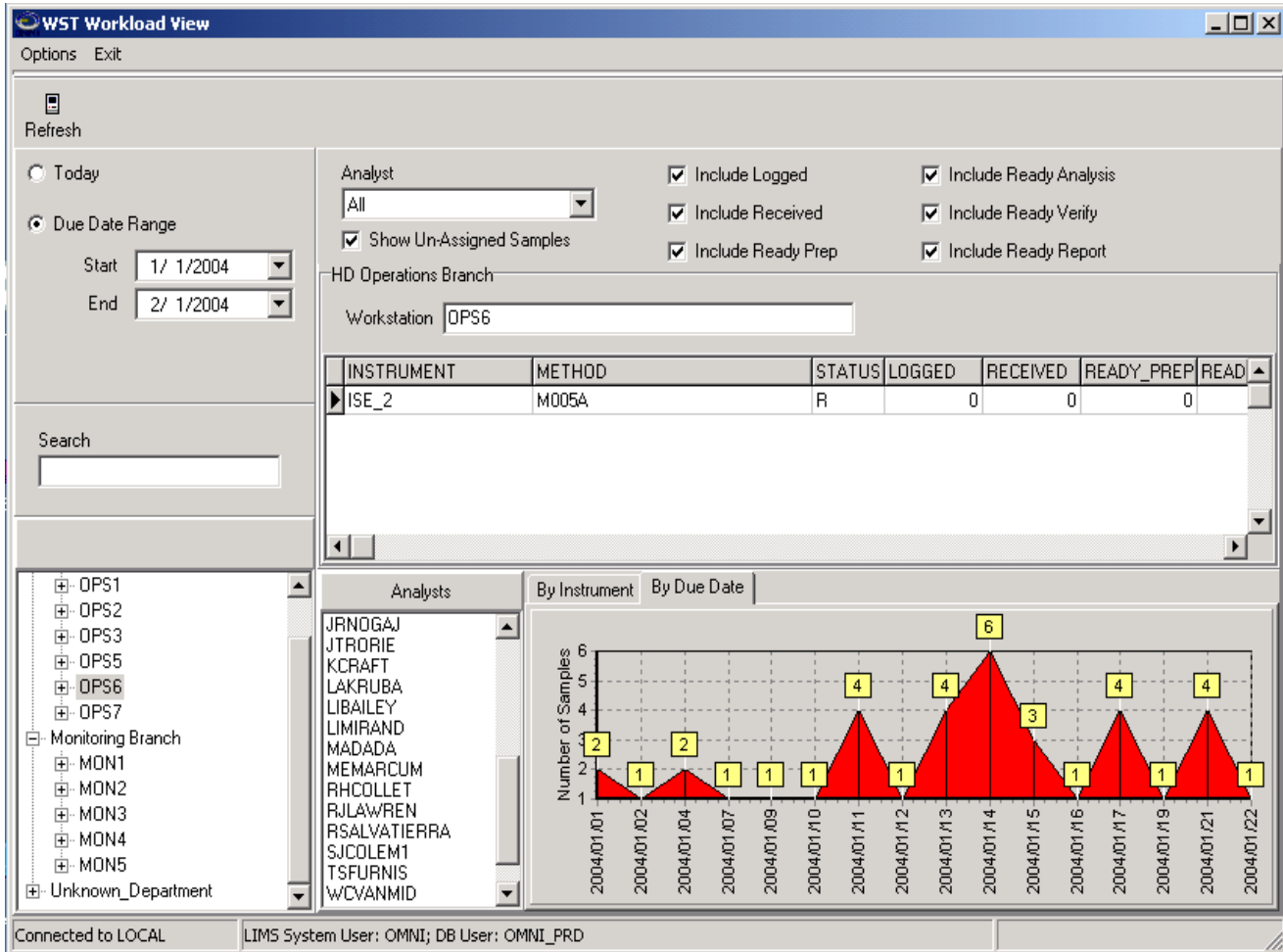
- ▶ Sample login
- ▶ Workflow scheduling toolkit
- ▶ QC batching
- ▶ Data entry
- ▶ QC charting
- ▶ Instrument interfacing
- ▶ Sample verification and approval
- ▶ Reporting
- ▶ Sample tracking and disposal
- ▶ Custom inquiry routines
- ▶ Comprehensive auditor controls
- ▶ Regulatory compliance.



## Robust Technology

Built on an Oracle® database backend, OmniLIMS takes advantage of the robust nature of this leading relational database system. If your needs dictate another robust solution (Microsoft® SQL Server®, MySQL®) please contact our technical team for information on how we can accommodate your specific needs.

No database application solution is complete without a reliable and powerful reporting mechanism. We utilize the world's leading reporting solution—Crystal Reports®—to provide a powerful, highly customizable reporting solution.



Engineering *Tomorrow's* Project Solutions *Today*

Columbia Energy is a woman-owned full-service engineering company licensed in Washington and Idaho with an audited ASME NQA-1 program that offers a diverse range of products and services, including engineering & design; drafting; environmental & regulatory consulting; technology development & deployment; waste process & groundwater modeling; and IT consulting. Products include a mobile evaporator, low-level waste solidification process, laboratory management system, and hose-in-hose solution. Columbia Energy has a reputation for safely delivering project solutions on time and to budget.

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