

Laboratory Information Management Systems Selection Guide

TECHNOLOGY SELECTION GUIDANCE WITH COMPREHENSIVE EVALUATION CRITERIA

MAKE INFORMED, FACT-BASED TECHNOLOGY SELECTIONS

This guide will help organizations select the best Laboratory Information Management Systems (LIMS) software for their business requirements. Macro level challenges to increase innovation, improve governance, manage risk, comply with regulatory requirements, and deliver quantifiable operational results while simultaneously maintain margins have a trickledown effect into the laboratory. As the Industrial Internet of Things (IIoT) phenomenon takes root, a new wrinkle facing manufacturers in the software selection process is that of deployment option: on premise, cloud, or a hybrid approach.

The market for LIMS is impacted by the same trends that impact the global econo-

my and the software industry: cloud, mobile technology, big data, and analytics. To gain a competitive advantage, enterprises must leverage these technologies to increase uptime, improve operating performance, and ensure product quality. Other forces impacting the market are the emergence of fast-growing new economies, competition for resources, and a workforce that expects more from technology and applications. LIMS can act as a collaboration tool to connect parties and facilitate work in the lab.

For more information, please visit us at www.arcweb.com/technology-evaluation-and-selection

STRATEGIC ISSUES

LIMS software spans both the functional needs of its users and business processes for the broader enterprise. This selection guide explores user objectives, business justification, application scope, selection criteria, and helps answer key questions, such as:

- What LIMS functions are desirable?
- What features should be considered for comparing suppliers?
- Which suppliers have success in your industry?
- What are the best practices of other LIMS users?
- How are cloud, SaaS, mobility, and the Internet of Things (IoT) affecting LIMS?

GUIDE CONTENTS

EXECUTIVE SUMMARY

Major Trends
Industry Impact
Regional Impact
End User Impact

LIMS ADOPTION STRATEGY

Factors Contributing to LIMS Adoption
Factors Inhibiting LIMS Adoption
Strategies for Success

SCOPE

Key Issues Researched

TECHNOLOGY AND SUPPLIER

SELECTION CRITERIA

Key Criteria Analysis
Fact-based Selection Process
Consider Best Practices by Suppliers
Selection Process Tools Available
Table Containing Specific Selection Criteria

MARKET SHARES ANALYSIS

Market Shares of Leading Suppliers
Market Shares by Region
North America
EMEA
Asia
Latin America

MARKET SHARES BY INDUSTRY

Chemical
Electric Power Generation
Food & Beverage
Government Labs
Mining & Metals
Pharmaceutical & Biotech
Refining
Water & Wastewater

SUPPLIER PROFILES

Profiles for the major LIMS suppliers servicing this market are included. Each profile concisely reviews the company's business, products, and services as it applies to this market segment.

Laboratory Information Management Systems Key Basic Functions

Sample login, management, and tracking
Laboratory administration/management
Task and event scheduling
Data and trend analysis
Query capability
Lab inventory management
Workflow management
Regulatory compliance
Audit trail
Reporting