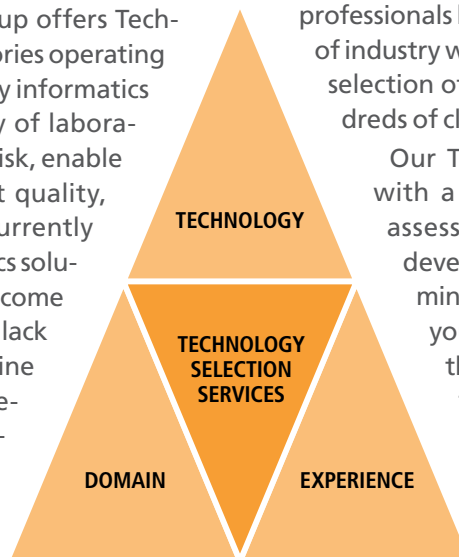# astrix
TECHNOLOGY GROUP

## TECHNOLOGY SELECTION SERVICES:

## LIMS – ELN – LES – CDS – DOCUMENT MANAGEMENT – REPORTING TOOLS – DATABASE DESIGN

**Overview:** Astrix Technology Group offers Technology Selection Services for laboratories operating in scientific organizations. Laboratory informatics systems help improve the efficiency of laboratory operations, reduce compliance risk, enable high quality R&D, improve product quality, and much more. Yet, the market currently contains a dizzying array of informatics solutions, and many more new systems become available every year. Most companies lack the knowledge to effectively determine the best solution to fit their requirements when the time comes to modernize and upgrade the laboratory operating environment. At Astrix, we make it our business to stay current on all relevant trends and product offerings in the laboratory informatics industry. Unlike traditional consulting firms, Astrix offers deep scientific domain knowledge, laboratory experience, and technology expertise across hundreds of platforms, from COTS solutions to custom applications. Since 1995, Astrix

TECHNOLOGY

TECHNOLOGY SELECTION SERVICES

DOMAIN          EXPERIENCE

professionals have successfully demonstrated the use of industry wide best practices in the evaluation and selection of informatics solution options for hundreds of clients in a wide range of industries.

Our Technology Selection Services begins with a thorough, best-practice method to assess your current (As-Is) environment, develop a future (To-Be) state, and determine and validate your requirements. With your validated requirements in hand, we then conduct a thorough vendor survey to identify the informatics solution(s) that best meets your needs. Finally, we guide you through the remaining steps in the selection process which include: preparation and evaluation of Request for Proposals (RFPs), vendor demo set up and evaluation, and vendor selection. Put our deep scientific domain knowledge, along 20+ years of experience in laboratory automation and informatics consulting, to work in finding the right solution for your Enterprise laboratory environment.

## Deliverables provided to you during Evaluation and Selection include:

- "As Is" workflow process maps
- "To Be" workflow process maps
- Strengths, Weaknesses, Opportunities and Threat Assessment

- Initial vendor evaluation matrix
- User Requirements Specification
- Request For Proposal – RFP
- Evaluation and Selection Plan

- RFP score sheet
- Demonstration Scripts
- Demonstration Score sheet
- Final Vendor Selection Recommendation

## Technology Partners & Platforms:

rackspace.

ORACLE®

amazon
web services

Microsoft Azure

Thermo
SCIENTIFIC

Waters
THE SCIENCE OF
WHAT'S POSSIBLE.®

STARLIMS®

dotmatics
knowledge solutions

BS BIOVIA

LABWORKS
waterLIMS™

CORE | LIMS™

LABVANTAGE®
Laboratory Knowledge. Delivered.

Astrix offers technical expertise and experience across hundreds of different laboratory informatics platforms, technologies and tools. Some of these are listed below:

## Informatics Systems:

**LIMS** – Laboratory Information Management System

**ELN** – Electronic Laboratory Notebook

**LES** – Laboratory Executions System

**CDS** – Chromatography Data System

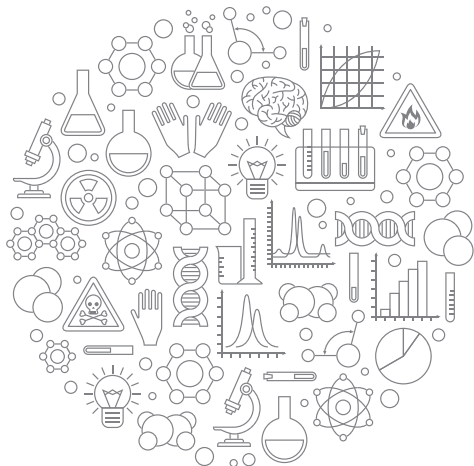**SDMS** – Scientific Data Management System

**Document Management and Knowledge Management**

**Supply Chain & Manufacturing Systems** (Interfacing to LIMS/ELN)
- MES (Manufacturing Execution Systems)
- ERP (Enterprise Resource Planning)

**Reporting Tools**

**Database Design, Development, and Optimization Tools**

### LIMS
- **LabWare LIMS™**
- **STARLIMS™ LIMS**
- **Thermo Scientific™**
  - SampleManager LIMS™
  - Nautilus LIMS™
  - Watson LIMS™
  - Darwin LIMS™
- **LABVANTAGE® Solutions, Inc.**
  - LabVantage® 6-8
  - SQL*LIMS
- **GenoLogics**
  - Clarity LIMS
  - ChemwareLABWORKS LIMS

### SDMS
- **Waters NuGenesis SDMS**
- **Agilent OpenLAB ECM**
- **STARLIMS SDMS**
- **Thermo Scientific™ Data Manager™**
- **PerkinElmer Labtronics Nexxis SDMS**

### Document Management
- **Microsoft SharePoint**
- **EMC Documentum**
- **NextDocs**

### CDS
- **Thermo Scientific™**
  - Atlas™ CDS
  - Dionex™ Chromeleon™ CDS
  - ChromQuest™ CDS
- **Agilent**
  - OpenLAB EZChrom
  - OpenLAB CDS Chemstation
- **Waters**
  - Millennium32
  - Empower™ 2
  - Empower™ 3

### ELN & LES
- **Agilent OpenLAB ELN**
- **IDBS**
  - E-WorkBook Suite
    - BioBook
    - ChemBook
- **LabWare ELN™**
- **STARLIMS™ ELN**
- **LABVANTAGE® ELN**
- **PerkinElmer**
  - E-Notebook (formerly CambridgeSoft)
  - iLAB LES (formerly Nexxis)
- **BIOVIA**
  - Pipeline Pilot
  - ELN & LES
    - Notebook (formerly Contour ELN)
    - Workbook (formerly Symyx ELN)
    - LES (formerly Velquest SmartLab)

### Database Design, Development, and Optimization
- **Microsoft SQL Server**
- **Oracle**

### Reporting Tools:
- **Crystal Reports**
- **TIBCO Spotfire**

### Software Development Tools
- **Java**
- **SQL**
- **.net**
- **LIMS Basic** (LabWare)
- **Jscript**
- **VGL** (SampleManager)
- **C++**
- **SSL** (STARLIMS Scripting Language)
- **Python**
- **C#** (C-Sharp)
- **R**



## ABOUT ASTRIX TECHNOLOGY GROUP

We are a staffing and professional services firm focused on serving the scientific & engineering communities. With offices throughout the United States, Astrix is dedicated to providing the highest level of quality and service. We are a unique firm and we invite you to learn about us. Learn more at **astrixinc.com**.

## astrix
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CORPORATE HEADQUARTERS
125 Half Mile Rd, Suite 200
Red Bank, NJ 0770
**732-661-0400**