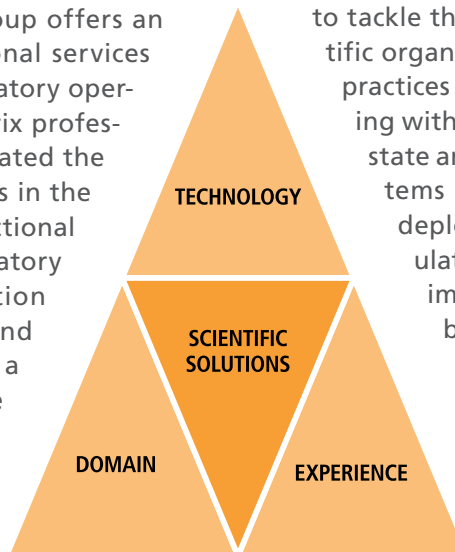


PROFESSIONAL SERVICES:

**SCIENTIFIC OPERATIONS & INFORMATICS -
DATA MANAGEMENT - SYSTEMS INTEGRATION**

Overview: Astrix Technology Group offers an end-to-end portfolio of professional services for scientific informatics and laboratory operations workflows. Since 1995, Astrix professionals have successfully demonstrated the use of industry wide best practices in the evaluation of work processes, functional and technical requirements, laboratory processes and informatics solution options for hundreds of clients and tens of thousands of scientists in a wide range of industries. Unlike traditional consulting firms, Astrix offers deep scientific domain knowledge, experience, and technology expertise across hundreds of platforms, from COTS solutions to custom applications. Our innovative solutions allow organizations to deploy systems that turn data into knowledge, increase organizational efficiency, improve quality and facilitate regulatory compliance. Astrix professionals lead business process transformation efforts by bringing together the technical, strategic and content knowledge necessary



to tackle the challenges faced by modern scientific organizations. We introduce leading-edge practices and offer end-to-end solutions, starting with technology assessments and current state analysis, through implementation, systems integration, testing, validation, and deployment. As experts in IT risk and regulatory compliance, we can do more than implement new systems and transform business process by helping you identify regulatory risk, develop robust mitigation plans, and make critical change impact assessments. In the role of trusted advisor, Astrix professionals consistently deliver results that are measurable and solutions that are customized to your requirements. Our transformational approach helps organizations capture value by driving the scientific innovation cycle, even in highly regulated environments. Our approach relies on best practices with a focus on implementing, observing and measuring results for scientific and laboratory based organizations.

Typical benefits of working with the Astrix Professional Services group includes:

- **Cost and risk reduction** through delivery of end-to-end solution optimized to support scientific workflows, from requirements through regulatory impact assessment and implementation/validation
- **Increased data visibility and better reporting** across disparate operational and scientific informatics platforms, leading to reduced cycle times and error reduction
- **Automation of business processes** related to lab operation, resulting in lower compliance risk and better collaboration with partners

Technology Partners & Platforms:



CONSULTING SERVICES:

STRATEGIC PLANNING - DEVELOPMENT & IMPLEMENTATION - SYSTEMS INTEGRATION

STRATEGIC PLANNING

Strategic planning is essential to any organization but even more so to those businesses focused on science and technology. The dynamic nature requires that companies have a well-defined, yet flexible road map to help steer the business to meet production, operational and financial goals. Without a clear plan, companies often implement solutions that cannot support the business future goals. At Astrix, we help clients develop strategies based solid business practices that are supported by our collective experience with several hundreds of scientific companies.

Business Case & Assessments

Prior to commencing with a project companies often need to understand and assess different options, approaches or solutions and understand the financial impact on the organizations. Regardless if it is a justification as part of a formal budget process or an evaluation to understand the different technologies available, a Business Case supports decision making and business planning and provides valuable guidance for managing and controlling projects, programs, or the life cycle of assets. Through our unique combination of science, technology and business experience, we provide our clients with a complete understanding of a project. The Business Case will provide the information required to fully understand the options to select the most appropriate solutions.

System & Technology Assessments

Astrix is a recognized leader in the evaluation and selection of commercial applications, systems and technology developed for scientific organizations. If the need is for a broad based commercial application or technology to support a proprietary process, Astrix' vendor agnostic evaluation framework can be customized to identify the appropriate solution including:

- ◆ **Laboratory Information Management Systems (LIMS)**
- ◆ **Chromatography Data Systems (CDS)**
- ◆ **Electronic Laboratory Notebooks (ELN)**
- ◆ **Graphing and Statistical Packages**
- ◆ **Scientific Data Management Systems (SDMS)**
- ◆ **Reporting and Business Intelligence Tools**

Product Strategy Development

Developing product strategies is a core competence. Astrix is uniquely positioned to perform the evaluation with over 20 year's experience solely servicing the science informatics community. Astrix has acquired considerable knowledge of the scientific markets and the vendors providing products and services to those markets. As a result, Astrix has developed several proprietary tools that can be leveraged for this evaluation. The "Astrix Client Data Repository™" contains information on all organizations providing services in the major scientific markets. The "Astrix Competitor Analysis Tool™" is a knowledgebase of products and services provided by science informatics companies.

DEVELOPMENT & IMPLEMENTATION

Astrix development and implementation professionals possess the subject matter expertise of our client's business. Our technical specialists have scientific backgrounds that allow for solutions to be developed or implemented correctly and efficiently without the need for constant oversight by client resources. The Astrix staff is familiar with the tools and technologies needed to develop, configure and deploy systems in scientific environments. Astrix maintains a staff of technical specialists in a variety of disciplines, including project managers, business analysts, software developers, database administrators, and validation experts. Representative projects include:

- ◆ Implementation of Laboratory Systems
- ◆ Migration of Data
- ◆ Collection, Storage, and Reporting of Customized Data
- ◆ Web Portals and Dashboards
- ◆ Migration of Legacy System
- ◆ Development of Mobile Applications



SYSTEMS INTEGRATION

The implementation of systems can help streamline a processes and increase efficiencies. Obtaining maximum efficiency and transforming the business is often the result of integrating system throughout the business. Astrix can help you evaluate all requirements regarding the integration of current and planned systems. Our approach is simple; we take system integration seriously and do not underestimate the effort that can be involved. Many integration projects fail because of the lack of understanding required to properly plan and implement system integration with legacy and future systems. Astrix takes a risk adverse approach to data integration and we will assure each database and third party commercial systems that need to be interfaced will be evaluated and the interface requirements defined. This will include the specific data that must be exchanged both in a unilateral direction and bilateral. Astrix can help evaluate, design and implement you integration strategy for the entire enterprise including:

- ◆ Analytical Instruments
- ◆ Laboratory Information Management Systems (LIMS)
- ◆ Scientific Data Management Systems (SDMS)
- ◆ Financial Systems
- ◆ Electronic Laboratory Notebooks (ELN)
- ◆ Custom Database Applications

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. Visit astrixinc.com for more information.



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