Life Science Companies Face Major Challenges…

…And Success Requires Operational Excellence

Leading life science innovators deal with constant change and need to transform the way they work to succeed. Data access, collaboration, and standardization— the foundation for operational excellence—are key to success.

Blockbuster patent expirations and regaining long-term sustainability fuel the pursuit of more efficient drug R&D. Enterprises can achieve this goal by focusing on:

1. Data Access
   - Transparently accessing and using data effectively from ideation to commercialization improves productivity, reduces waste, and speeds time-to-market.

2. Collaboration
   - Collaboration is at the core of industry transformation, requiring more effective information sharing, agile infrastructure, and robust data security and regulatory compliance controls, while concurrently encouraging insight and innovation.

3. Standardization
   - Effectively leveraging today’s data explosion requires standardized data management and processes across the R&D lifecycle.

Key investment areas for growth:
- Improving collaboration capabilities
- Better use of data through analytics
- Improving idea management and innovation

Data lakes, cloud-based solutions, Hadoop schema on read, and in-database analytics are being considered to address life science/healthcare data queries.

ANALYSES NEED TO BE TRANSPARENTLY STANDARDIZED

IMPLEMENTATION OF AN OPEN FLEXIBLE PLATFORM IMPROVES COLLABORATION

The Takeaway

Effective use of data, information, and knowledge across the life sciences value chain is key to operationalizing excellence.

Process, technology, and scientific advances are catalyzed by the availability of operationalized information. With the complete scientific product lifecycle being managed and business metrics being leveraged.

Business Benefits of Operational Excellence

- Direct cost savings
- Increased efficiency in drug discovery
- Reduced R&D risk
- Faster time to revenue
- More effective data utilization