



SAP Business Transformation Study | Life Sciences | New England Biolabs

How Does a Small Community of Scientists Field a Big Army to Fight Disease?

New England Biolabs (NEB) is committed to advancing scientific discoveries while protecting the environment. As it grew into a world leader in the development of enzymes for genomic research, this collective of top molecular biologists replaced manual systems in order to automate production planning, document what it takes to produce a product, and manage final product costs in order to meet increasing global demand.

NEB had run SAP® Business Suite powered by SAP HANA® since 2016 and recently migrated to SAP S/4HANA®. Each product now has a full bill of materials that documents every component and process that is required for production. NEB can continue its fight against disease by capitalizing on a palpable synergy among the latest computing technologies, scientific research, and product development expertise.





Rationalizing Life Sciences Research Processes with **SAP S/4HANA®**



New England Biolabs (NEB)
Ipswich, Massachusetts
www.neb.com

Industry
Life sciences

Products and Services
Recombinant and native enzymes for genomic research

Employees
500

SAP® Solutions
SAP S/4HANA®, SAP Fiori® user experience, and SAP® Early Adopter Care program

Life sciences firm NEB focuses on R&D in enzyme analysis, enzyme engineering, epigenetics, RNA biology, and parasitology. It is also committed to environmental stewardship, with efforts that include a solar aquatics wastewater treatment facility, a long-running shipping box recycling program, and support for nonprofit organizations committed to protecting biodiversity in the oceans. By migrating to SAP S/4HANA, it has significantly increased efficiency by digitalizing information and integrating processes.

Before: Challenges and Opportunities

- Build a database to hold the crucial information stored in scattered notebooks or individual scientists' minds
- Establish a single version of the truth and display it in a convenient user interface accessible to all players
- Maintain visibility over raw materials and product batches to meet expanding compliance requirements

Why SAP

- Scalability to accommodate strong growth
- Extensibility to fold in the ERP systems of global subsidiaries
- Support for an upgraded Web presence to improve interaction with customers
- Expertise to further leverage the Internet of Things and machine learning, as new applications emerge
- Personalized support from the SAP Early Adopter Care program team

After: Value-Driven Results

- Automated record keeping to increase repeatability of positive outcomes
- Material and batch traceability for internal visibility and compliance with industry and government regulations
- Simplified monitoring and insight delivery across functions through SAP Fiori launchpad
- Tighter processes for costing of expensive product components to understand product margins
- Faster response times for new orders and service issues to raise customer satisfaction

“The enzymes we develop help our customers drive new discoveries, with the goal of **helping humanity. NEB is also committed to developing more sustainable business practices. Simply put, we aim to use SAP S/4HANA to help us raise the quality of life for posterity.”**

Sharon Kaiser, CIO, New England Biolabs

>200,000

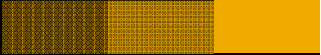
Data points collected to create bills of materials

283

Restriction enzymes produced by NEB

>1000

Publications authored by NEB scientists



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