

# Seahorse Bioscience

Two Corporate Divisions. One Central Repository for Product Data.

## Customer

Serving the life sciences industry since 2001, **Seahorse Bioscience** provides industry-leading analytical instruments, biomanufacturing systems and consumable labware products for biological research and drug discovery. Their customers include scientists at academic institutions, pharmaceutical and biotech organizations, as well as OEM manufacturers of assay kits and lab instruments suppliers.

Scientists worldwide are using Seahorse technology to advance their research in understanding the role of cell metabolism in neurodegeneration, aging, cancer, cardiovascular, cell physiology, toxicology and hepatobiology, immunology, infectious diseases, mitochondrial diseases, model organisms, obesity, diabetes, metabolic disorders, screening and translational medicine.

## Challenge

### *Keeping Two Corporate Divisions In Sync*

Seahorse Bioscience was managing product development with paper-based processes. Information such as part numbers and Engineering Change Orders (ECOs) were processed using Excel spreadsheets. This eventually became inefficient, risky and laborious. In addition, the company had two corporate divisions. With the data spillover that can result from any collaborative work between multiple corporate divisions, a Product Lifecycle Management (PLM) system became a necessity in order to centralize and control information.

## Goal

### *Centralize and Control Product Information*

The company's primary goal was to find a means to centralize and automate their document control tasks. They wanted to have one corporate source for part number generation, ECO generation and tracking, and a secure corporate repository for design/product data with automated revision control. Another key requirement was the ability to control access to the system through definable user accounts and passwords for the two facilities.

## Quick Facts:

### Company

- Seahorse Bioscience

### Industry

- Life Sciences-Biological Research and Drug Discover Products

### Key Benefits

- Replace error-prone Excel-based part generation and ECO processes
- Keep product data for two corporate divisions in sync
- Eliminate issues with misplaced or forgotten ECOs
- Eliminate purchasing of out-of-rev parts and assemblies saving thousands of dollars
- Guarantee vendors are using the latest revision
- Streamline design and manufacturing information
- Integration with corporate ERP system, **Infor Syteline**
- Material scrap reduced by 85%



Seahorse Bioscience XFP Extracellular Flux Analyzer  
Proven XF Technology, Accessible for Every Lab



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## Solution/Success

*Centralized ECO Processes Eliminates Errors, Delays and Out-of-Sync Data*

Seahorse Bioscience selected the Empower PLM solution from Omnify Software. Omnify Empower is deployed enterprise-wide at both Seahorse Bioscience divisions. The system is used for managing and tracking parts and ECOs. All Seahorse part number generation is facilitated only through Omnify Empower as well as electronic sign-off and release to Manufacturing. It is also a secure, user-facing repository for public viewable documents (PDF files) of their Electrical, Mechanical, Software, and Product deliverables.

"ECO's are processed, released and auto-populated from Empower into Syteline ERP which has saved us thousands of dollars by eliminating errors, delays, headaches, and most importantly, purchasing out-of-rev parts and assemblies."

-Bill Beard, Manager of Engineering Services, Seahorse Bioscience

"Tracking all engineering changes in a centralized system eliminates previous issues with misplaced or forgotten ECOs and our vendors always receive the latest revision of a drawing from which to work," stated Bill Beard, Manager of Engineering Services for Seahorse Bioscience. "Another benefit we have realized is the ability to generate custom ECO reports that can be sorted by Business Unit to provide executive management with visibility into the resource requirements needed to bring a product from concept to full production."

Seahorse Bioscience took advantage of Empower's open integration platform to further streamline processes. The company has integrated Omnify Empower with their corporate Enterprise Resource Planning (ERP) system, **Infor SyteLine**, and they have future plans to integrate Empower with their Enterprise PDM application, **Adept PDM** from Synergis Software. "ECO's are processed, released and auto-populated from Empower into SyteLine ERP which has saved us thousands of dollars by eliminating errors, delays, headaches, and most importantly, purchasing out-of-rev parts and assemblies," said Mr. Beard. "Material scrap has been reduced by 85%, and by propagating Omnify Empower throughout the manufacturing environment, all key manufacturing personnel have direct access to Omnify for real-time data visibility."

"Omnify Empower has become our corporate-sponsored, standardized PLM application and has been a major catalyst in Seahorse Bioscience achieving a world-class caliber of Engineering and Manufacturing standards and service," stated Mr. Beard.

## About Omnify Empower

Omnify Software provides a single, secure location to manage the complete product record including: product data, bill of materials, engineering changes, product documentation, project, quality/CAPA, and training records information. The Omnify Empower system enhances visibility into the entire product development process by capturing design, manufacturing, quality, service, and customer information and associating it to the product record. Omnify Empower is a business-ready solution that is easy to use, quick to implement and can be deployed on-premises or in the cloud.

