



## Laboratory information management system (LIMS) enhancement

### Client Overview

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The client is a provider of laboratory information management system (LIMS) solutions

### Statement

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The client has a laboratory information management system (LIMS). This LIMS is a low cost solution and provides numerous features to further enhance benefits to the customers and bring in additional features that the customer needs to enhance the LIMS.

One of the key factors was that the customer wanted to make the enhancements in such a way that the customer is able to buy different modules and be able to plug in this within the core LIMS.

### Solution

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Optra Systems proposed and delivered a solution wherein the enhancements/features were built as independent plugin modules. This provided the scalability and also offered advanced features to customers who needed it.

These off-the-shelf modules offered a perfect pre-configured solution. Further to this, the modules and the LIMS could be custom configured easily, keeping a low cost for these changes.

**Some of the modules/plugins designed & developed by Optra were:**

- A sequencing module that allows you to easily create your lab sequences database. This module gives the tools to a lab to manage clients and sequencing orders. Users will be able to place orders and check sequencing status and download results.
- A fully integrated add-on module for calendar reservation/scheduling of records and tasks.
- Primer module to store information about primers. Primer records include details like orientation, purity, labels and availability.
- ELN module which offers an efficient yet simple notebook to store and manage all your lab experiments

## Technology Environment

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- PHP > 4.3.x, PHP 5.x
- MySQL database server 5.x

## Benefits

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- Off-the-shelf
- Completely pluggable
- Ability to pick and choose enhancements
- Ability to independently provide updates
- Customizable
- Easy licensing & cost saving

## About Optra Systems

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Optra Systems is an ISO-certified global organization with deep domain expertise in medical devices, lab automation, life science informatics and healthcare IT solutions. The company provides a fully-scalable, cost-effective OptiShore™ delivery model. This enables customers to choose the optimal balance between on-site, on-shore, and off-shore development that will best address their budget and collaboration requirements. With Optra Systems, customers are able to shrink their time-to-market by leveraging practical, building-block based solutions. Committed to clear communication and total transparency, the company consistently meets or exceeds its clients' expectations. Offering a full complement of expert engineering and consulting services, Optra Systems is aligned to real business needs applied over the entire product development

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