

## AGILENT OPENLAB CDS

Networked OpenLAB CDS solution  
helps QC and IT increase efficiency  
and data security

### Customer Profile:

Geolab Indústria Farmacêutica



Based in Anápolis, Brazil and founded in 1999, Geolab Indústria Farmacêutica manufactures and distributes pharmaceutical drugs for the Brazilian market.

### Choosing a CDS to advance productivity across the enterprise

To enhance competitiveness, today's pharmaceutical enterprise seeks ways to increase efficiency and productivity while lowering costs. Often the biggest gains toward achieving these goals occur when company departments collaborate. This is true for Geolab Indústria Farmacêutica. The company's QC lab and IT department worked together to select and deploy an Agilent OpenLAB CDS networked solution that, in addition to data security and ease of compliance, provides substantial time and cost savings for both groups.

### Benefits

- Win-win solution strengthens ties between IT and QC
- Efficient software reduces sample analysis time by 20%
- Centralized administration saves time performing manual backups, validation, and reporting
- Powerful reporting capabilities eliminate the need to use Excel spreadsheets
- Networked system architecture, virtualization, and the ability to clone processes, save time, reduce computer hardware and validation cost, and provide higher system availability
- Compliance features enable the lab to meet local and international regulatory requirements such as 21 CFR Part 11



**Agilent Technologies**

## The situation

Geolab has a long history of investing in Agilent chromatography instruments. Until recently, these systems were deployed in a single-workstation architecture. In 2013, in order to meet ANVISA (Agência Nacional de Vigilância Sanitária) regulatory requirements, as well as to increase efficiency, ensure data security, and standardize the software used, Geolab's IT department and QC lab decided to migrate the systems to a networked OpenLAB CDS architecture. The architecture takes advantage of virtualization and powerful server-based centralized system management.

## The result

While the IT and QC groups had worked together in the past, the OpenLAB solution raised their collaboration to a completely new level. The result is impressive time and cost savings.

From an IT perspective, back-ups, which used to be done on each computer one-by-one, are now preformed all at once centrally on the server, making backups much easier and more reliable. With centralized software administration, workstations throughout the lab are easily kept up-to-date with the correct software revision. Using networking and virtualization, the company was able to reduce the number of computers in the lab by 65%.

*"The main objective was to make our company more efficient, ensure data security, and standardize the software used. Among the options, we chose the Agilent OpenLAB solution."*

**MARDEN OLIVEIRA**  
MANAGER FOR QUALITY CONTROL,  
GEOLAB

*"OpenLAB has created closer collaboration and integration between the lab and IT. We have the security of knowing that the operating efficiency of the lab will not be compromised by the IT infrastructure."*

**KELSON DUARTE**  
IT COORDINATOR, GEOLAB





*"OpenLAB software has enabled us to reach our goals. We achieved significant improvement in laboratory performance, including a 20% improvement in sample analysis time"*

**MARDEN OLIVEIRA**  
MANAGER FOR QUALITY CONTROL,  
GEOLAB

Geolab also learned that IT requirements need not compromise lab efficiency. Instead, the QC lab gained a remarkable 20% improvement in time-to-results for day-to-day analyses of raw materials, and semi-finished and finished products. CDS-related tasks can now be performed faster and more easily. For example, reports are now set up centrally and shared. OpenLAB Intelligent Reporting allows the lab to create its reports--both standardized and customized--using simple drag-and-drop operations. OpenLAB CDS projects ensure that the correct method and report are applied to sample analyses. Standardizing work in this way provides the lab with increased confidence in results. In addition, the networked system architecture freed up valuable bench space for other uses.

Achieving compliance is also more efficient. The OpenLAB solution includes all the features needed to meet 21 CFR Part 11 requirements--versioning, audit trail and records management—requirements that must be met to participate in the Brazilian pharmaceutical market. When the system was deployed, only one virtual Agilent Instrument Controller (AIC) required validation. Additional virtual AICs were, and can in the future be cloned, saving substantial time and effort.

Overall, the network architecture is easy for both end users and IT specialists to understand. As a result, system deployment and adoption was rapid with the help of Agilent support staff. Now the lab is prepared for the next step, full integration of the system with a LIMS.

Watch the Geolab case study video  
on YouTube.



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