



# Open Source Web based LIMS for Health Care Laboratories

World leading Open Source LIMS: self installed, outside the box or tailored to your requirements. For Open Source Professionals and Visionary Clients.

bika (bi:ka Zulu) report, from clan to clan, bring news of weddings, births, festivals and funerals. tell it as it is

## Bika Customers say

### BBK - Certified wine bottling co-operative. Worcester, South Africa

Quick, easy and hassle free. The Bika LIMS halved our paper work. The automated results publication, instrument interfaces and query functions are winners. Our analysts spend their time more productively in the lab and less on client queries. Highly efficient - Adel Stander, Lab Manager

### Sri Lanka Medical Research Institute. Colombo, Sri Lanka

After the success and high levels of user enthusiasm and satisfaction we are in the process of introducing the system to all departments. The Pharmacology department is now run entirely through the system without any paper-based backups taking place. We are satisfied that the quality of the final product is acceptable for the purpose for which it is intended. - Dr. Anil Samaranayake, Director

### Quantum Analytical Services. Malmesbury, South Africa

Chemical and microbiological analytical services in the agricultural industry to Sub-Saharan Africa. In all my years of laboratory management I have rarely come across a similar situation where mutual trust and an honest desire to look after the interests of a client is placed before financial gain. - Patrick Griffiths, CEO

### Centro de Investigación en Contaminación Ambiental, IAEA, Argentina

Pesticide residue and contaminant analysis in Central and Latin America by the IAEA's Food and Environmental Protection program. I acknowledge the great work they have done on this product. Working under the Open Source philosophy, is very comfortable because it is a way to share and show work. I thank each of you for your knowledge, care and commitment. I congratulate you as a human and professional group - Marcos Cruz, IAEA fellow

### The City of uMhlatuze. KZN, South Africa

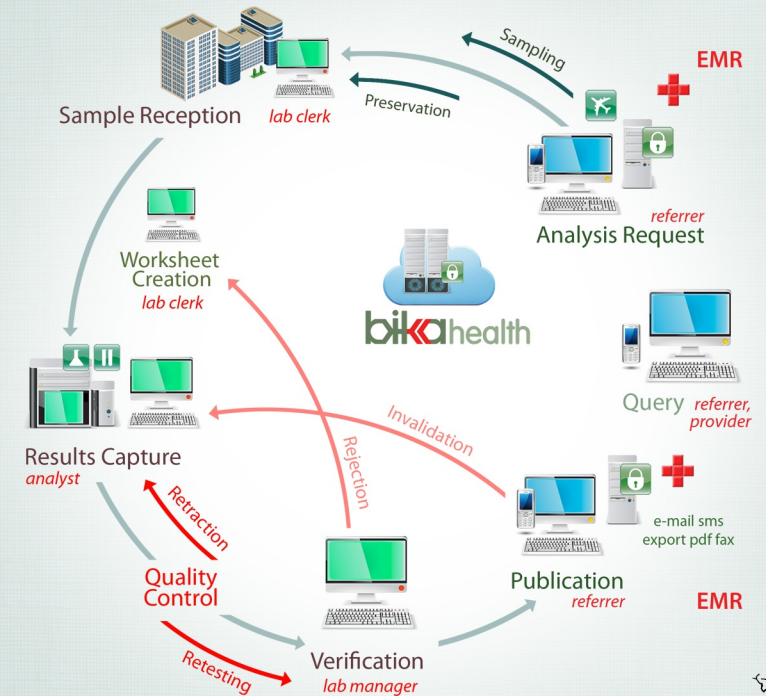
Public water quality management laboratory. Bika Water is an Open Source leader in this lab discipline - Neeran Maharaj, Lab Manager

### South African Wine Laboratory Association

Inter-laboratory round-robin proficiency testing. Your expertise and attitude continue to impress. I'm really happy to be on board with Bika - Altus Schreuder, Chairman

### Tecnologías Informáticas Productivas, Guatemala

Sois LA BOMBA! (You are THE BOMB!) - Guillermo Arana, Manager Training and Technical Support



## Bika LIMS Benefits

Real-time analysis tracking  
Shorten turn-around  
Increase lab capacity

Eliminate human error  
Improve accuracy and certainty  
Data at your finger tips  
Reduced administration and maintenance

Unsurpassed client satisfaction

Easy accreditation  
Enhanced quality control  
ISO 17025 ready

Low cost of ownership  
Free public license  
Unlimited users  
No license fees

Customised to requirement

Easy installation  
No desktop disruption  
No on-site technicians required  
Easy integration with downstream systems

Robust industry-standard Linux  
State of the art security

Easy to use  
Web based

Central Web portal management  
Document version control  
Easy browser based editing of training material, SOPs, promotions, news and events

Professional support  
No vendor lock-in  
Dynamic Open Source community

## Bika Features

### Workflow

Batching per project or case  
Sample partitioning and storage  
Analysis prioritisation  
Analysis statuses: sampled, preserved, received, assigned, cancelled, to be verified, verified, invalid and published  
Pending task alerts  
Results invalidation and retesting workflow

### Bika Roles

Client contact, lab clerk, sampler, preserver, analyst, verifier, publisher, lab manager, regulatory inspector and system administrator

### User Interfaces

Web based, multilingual browser access  
Android tablet user interface  
Results by email, PDF, Fax, CSV and SMS  
Powerful live search engine

### Automation

Instrument interfaces  
Barcode printing and scanning  
ERP and accounts integration  
Bulk analysis request imports  
Templates for sampling rounds, analysis profiles and requests, worksheets and reference specifications  
Preservation & container automation  
Configurable calculations and worksheet adjustment factors

### Total Quality Management

Method, analysis and instrument integrity  
Reference standards and specifications  
Instrument calibration certificates, maintenance  
Product specifications  
Out of range alerts  
QC reports and graphs  
Logs and audit trails

### Health Care

Patients, cases, doctors & referring institutions  
Medical history, treatments, immunizations, allergies and travel  
Publish results to referring institutions, doctors and patients as applicable  
Life threat alerts  
ICD Symptom and disease classification  
Patient privacy  
CLIA and EMR ready  
Patient history graphs

### Finance & Management

Invoices · Exports  
Supply Inventory and Orders  
Price lists  
Management and efficiency reports  
Queries · PDF and spreadsheets

### Technical Corner

Utilising the portal content management features inherited from the Plone framework Bika's built in, powerful document management and capacity building tools are available to support laboratories in building and sustaining expertise. It is a highly robust and secure platform - benefiting from the speed, reliability and power of Linux.

## Professional LIMS services by Bika Lab Systems

Bika software is free and Open Source and can be used by unlimited users without licence fees.

### Implementations

LIMS requirements analysis  
Functional specification and design  
Customisations & testing  
Installation · On-site or cloud based

LIMS branding and configuration  
Start-up assistance  
Training and manuals · Video  
Project management and administration

### User and Technical Support

Bika sells prepaid 'buckets' of support hours that labs use as needed, ordering the next bucket as the current nears its bottom. We use mail-in on-line issue trackers and screen sharing to speed up issue resolution.

## Bika Lab Systems

Bika Lab Systems develops and supports Bika LIMS on the Professional Open Source (POSS) business model, combining traditional OS projects supported by active community of enthusiasts with full-time software engineers and fee-paying clients. Developers, clients and communities are all self-motivated to behave in ways that benefit everyone involved.

Bika Lab Systems deliver innovative designs, reliable systems and industrial quality support for all laboratories.

With established market efficacy and a strong user and developer community, Bika's LIMS solutions will continue to grow and maintain its position as the world's leading Open Source LIMS.

Bika Lab Systems: [www.bikalabs.com](http://www.bikalabs.com)  
Bika Open Source LIMS community: [www.bikalabs.org](http://www.bikalabs.org)

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## Project Sponsors

