

Clevr

Innovative Solutions

Innovative Custom Software for Analytical Laboratories

Specialists in Oil Analysis



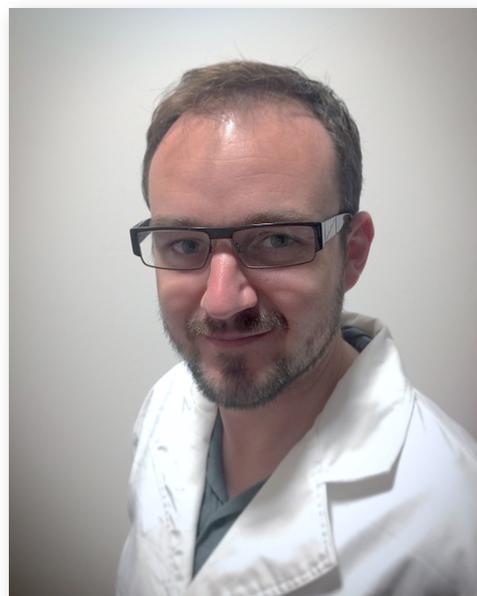
Introducing Clevr

Clevr is an independent developer of analytical laboratory software, specialising in oil analysis.

Our experience in the oil analysis (tribology) industry enables us to understand the specialised requirements of these laboratories and create valuable, innovative software solutions.

Clevr can provide everything from test method calculations to instrument interfaces and complete LIMS and client web access portals.

Our primary developer, David Brand is a qualified analytical chemist (B. Sci) with a background in oil analysis laboratories.



David understands the niche needs of the field, having previously worked with Oilcheck, ALS Tribology and Lubetech both as an analytical chemist and a laboratory software developer.

Clevr aims to build innovative laboratory software which is user-friendly, but powerful. We want our clients to enjoy using our software, to be able to easily maintain it and to see the benefits of increased efficiency and quality.

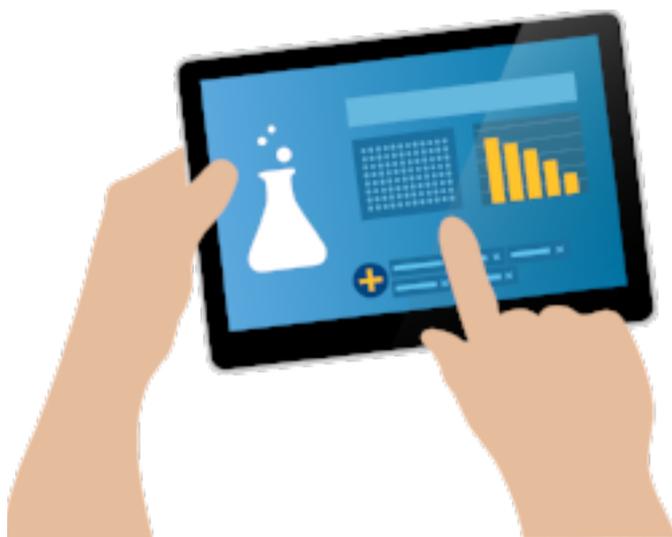
Services

LIMS Development

Clevr has unique expertise in developing laboratory software systems for oil analysis laboratories. This includes full packages for laboratory information management, sample management, data analysis, reporting and customer web portals. We can tailor a system from the ground up for the cloud or for a local server.

Our unique cross-industry experience in both oil analysis and software development leads to highly specialised, user-friendly and capable solutions.

Clevr develops LIMS which are flexible and easy to maintain by the laboratory - this provides rapid resolutions of issues and future-proofing



Examples of the features our LIMS can include are:

- Barcode/QR Code Sample Tracking
- Trending Analysis
- Auto Analysis
- Flexible machine & compartment management
- Customisable report templates
- User-friendly and efficient sample data entry
- Attractive task-specific screens
- Auditable logging of record changes (ISO17025 & ISO9001 Compliant)
- Limit of Detection and Uncertainty for each analysis
- Automated determination of caution limits

Clevr develop innovating solutions based on an Agile methodology – we work with you from the beginning to create a conceptual product allowing for practical feedback to ensure we meet our clients' needs in delivering a tailored, user friendly and quality final product.

Instrument Interfacing

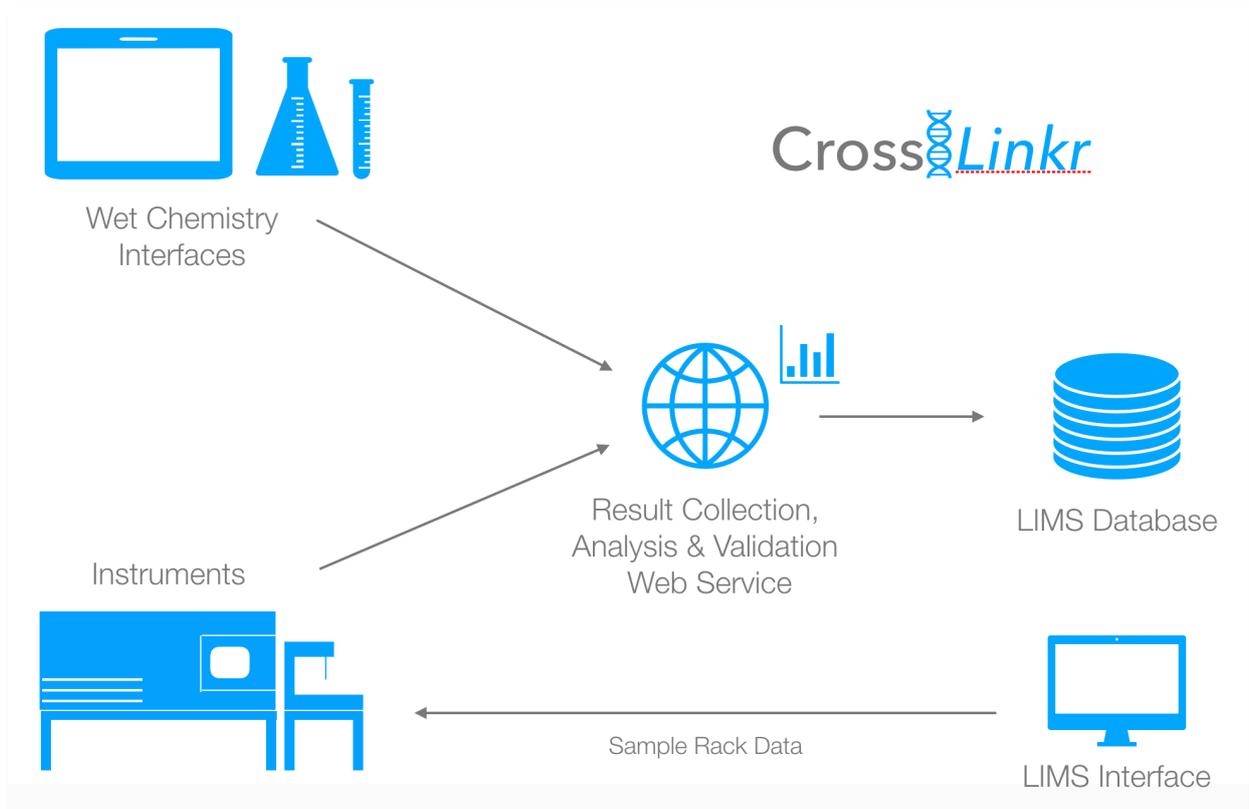
It is commonplace now for laboratories to have integration of instruments to their LIMS. This provides instant transfer of results and automatic export of sample racks (where available).

Clevr can tailor our *CrossLinkr* framework to not only collect and transfer results, but perform any required calculations, corrections and validations before the results are imported to the LIMS database. This can either be fully automated or a user interface can be provided to allow for checks and manual validation before results enter the LIMS database.



CrossLinkr can also be extended to wet chemistry methods - by providing an at-station interface for lab technicians to enter results, rather than using worksheets and hand-entering data later. This is ideal for methods such as colour-indicator titrations or field-type instruments.

Using the latest WebApi technology, transfer of results can be instant - whether the LIMS database is in the cloud or locally hosted.

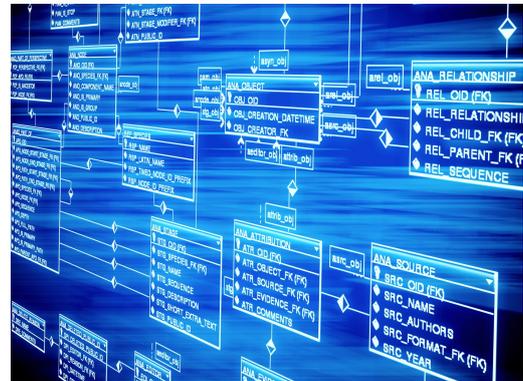


Data Migration

One of the major barriers to moving to a new LIMS system is the retention and integrity of existing data. Often a new system comes with a new database structure or even a different database technology.

Clevr can quickly and reliably transfer existing client and sample data to a new LIMS across different structures and technologies, while improving data integrity in the process.

Clevr can also assist with tools for importing data from other laboratories or reliability software when on-boarding a new client.

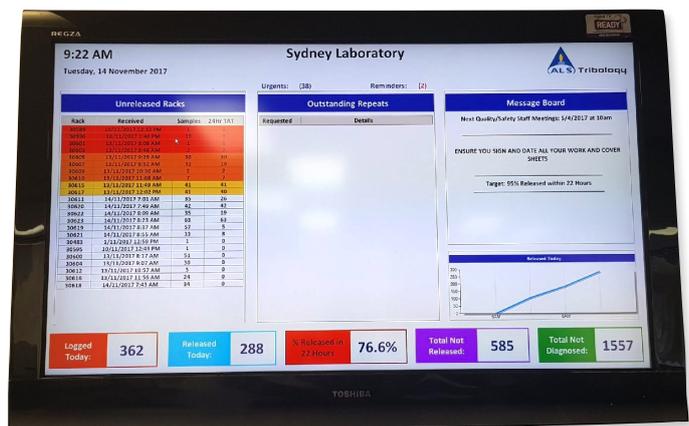


Status Dashboards

What if every laboratory manager, supervisor and technician could view a live summary of laboratory progress by looking at an LCD display on the wall?

Clevr can implement elegant dashboards which summarise daily progress, highlight overdue or urgent samples and communicate messages to the lab.

Laboratories utilising our dashboards have indicated the screens are relied upon constantly for improved efficiency and communication among their laboratory staff.



Data Analysis

Oil analysis laboratories collect a huge amount of data and metadata over time. This data can contain many trends and patterns which are useful to the laboratory for calculating caution levels, or detecting changes in oil formulations or environmental changes.

By analysing and visualising this data, laboratories (and their clients) can get much more value out of their analysis.

Clevr can analyse your data to provide statistics and trends in elegant visual formats.

Alternatively, Clevr can develop software tools for labs to analyse live, up-to-date data with the click of a button.



Quality Management Systems

Clients of analytical laboratories demand two things:

- 1 Fast turn-around-times; and
- 2 Reliable and accurate results

In order to achieve both of these, a lab must have an effective quality management system.

Clevr can develop quality management tools to ensure compliance to ISO 9001, ISO 14001 and ISO 17025 requirements.

These tools include scheduling calibrations, document reviews, method audits, training management, employee qualifications and proficiency tracking, equipment registers and document control.



Why Choose Clevr?

We Build Custom Software



“A custom solution is designed around your business, so your business doesn't have to be designed around its software”

Often laboratories will seek to solve their software needs by purchasing one (or several) off-the-shelf packages.

While some of these off-the-shelf products may provide a suitable solution, more often than not laboratories are left with gaps and ongoing issues where the package:

- Doesn't fully cover business requirements
- Doesn't integrate well with existing business systems
- Isn't user friendly
- Is overkill or overly complicated and many expensive features will not be utilised making it an uneconomical solution.

There are two ways businesses attempt to resolve these issues:

- Pay the software vendor or hire a third-party programmer to modify the package or provide modules to solve the issues
- Find work-arounds such as further software packages, Microsoft Excel manipulation or manual data entry.

Both these solutions come with heavy costs or ongoing problems with efficiency and quality.

Custom software is built from the beginning around your business. Every business is different and every business has unique processes.

At Clevr we produce bespoke software to your requirements, drawing on our practical experience working with large and small analytical laboratories.

Our Developer is an Analytical Chemist

Clevr is operated by a David Brand, a qualified laboratory chemist (B.Sci) with years of experience in both oil analysis laboratory operations and software development. This ensures he developer has a greater understanding of laboratory operations and needs.

A developer with relevant industry experience provides:

Better Communication - The developer understands scientific concepts, methods and standards. The developer understands the needs of a modern analytical laboratory. This eliminates the need for lengthy, time-consuming meetings and explanations. You will appreciate working with Clevr.

Faster Development - Without the need for the developer to spend time building knowledge and seeking explanations, the "defining the problem" stage is minimised. Coding and proof-of-concept development can commence much earlier.

A Superior Product - As the developer has knowledge and experience of analytical chemistry and laboratory operations, the custom software is built with this usage in mind. User interfaces are designed for laboratory analysts, technicians and managers. ISO9001 and NATA (ISO17025) requirements are understood and considered by the developer. Clevr has a strong track record of laboratory software development and this experience provides a more functional, reliable, user-friendly product.



We Develop with Microsoft Technologies

Clevr use Microsoft .NET frameworks and Microsoft SQL databases, which are the standard for software development. This ensures high quality, compatible solutions which are maintainable and well supported. This provides the following advantages to our clients:



Performance - .NET is faster than any other framework.

Compatibility - .NET runs natively on Windows, iOS and Android and integrates well.

Rapid Development - .NET Frameworks have an excellent array of tools and assistance available for .NET developers. This ensures your project is completed earlier than if another framework was chosen.

Maintainability - .NET is the most ubiquitous development framework, thus a custom solution will be easily maintainable in the future.



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