



## LEAKVISION

# Cloud based software for reviewing leaks identified by Enigma and Phocus acoustic loggers

Ovarro's leak detection loggers lead the market in their ability to locate leaks in water distribution systems. LeakVision is the accompanying software that allows users to visualise and review leak locations before passing them on for repair.



### FEATURES & BENEFITS AT A GLANCE:



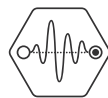
- Identify and locate leaks through **Advanced Analytics**, including:
  - Automatic location of leaks using acoustic correlation technology
  - Grouping of correlations from multiple logger pairs and multiple nights into high confidence "Points of Interest" for investigation.



- Use our interactive **Map-based Interface** to:
  - View your Ovarro leak detection assets
  - Visualise leaks on Google Maps™ and Street View™
  - Deploy field staff with confidence that a leak will be found.



- Reduce leak run-times with **Daily Updates**, allowing timely action to reduce water loss.



- Validate the results by listening to the **As-recorded Sound Files**.

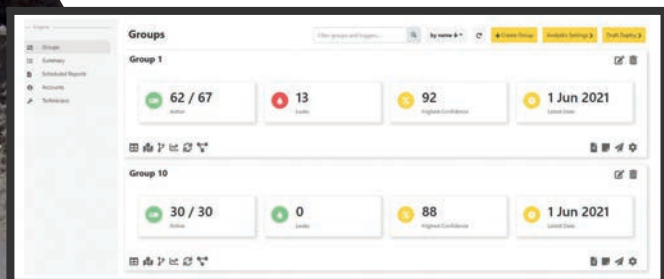


- Build a valuable resource of **Historical Data** for leakage management, enabling you to undertake pattern analysis and identify recurring problem areas.



- Do all of this on your PC or favourite mobile device, using a **Modern and Responsive** web-based interface.

### WHY DID WE CREATE LEAKVISION?



Back in 2013 we first had the vision for a cloud-based analytics platform for customers to access and analyse the results of our correlating and acoustic loggers. Using the best cloud-native design philosophy and tools we built a platform to be proud of: PrimeWeb.

But time and technology have moved on, and our business continues to grow. Rather than building more features into PrimeWeb, we have redesigned the software architecture and user interface to create something even better: LeakVision.



## LEAKVISION

In re-engineering the software, we have been able to take advantage of the following opportunities:

- LeakVision is designed around a 'microservices' architecture, which means that it can easily scale as our business grows, without adding complexity and with consistently high levels of performance.
- The new architecture allows us to progress further with our 'continuous deployment' development approach. This means we can release security patches, bug fixes and new features with (in most cases) zero downtime for customers, keeping development batch sizes small, and reducing risk for us and our customers.
- We have been able to reorganise and rationalise features that have been added incrementally over time, using nearly a decade of learning to provide a more intuitive user experience, with shorter training times for new users, and a code-base that is more efficient for us to maintain and extend.
- LeakVision has been developed to be 'secure by design', and provides a step-change in security through use of Microsoft Azure Front Door, Multi Factor Authentication, brute force attack protection, and much more.
- We have split the main user interface into two parts: LeakVision for our Phocus and Enigma acoustic loggers, and LoggerVision for our XiLog non-acoustic loggers. This allows us to offer a simplified user experience, showing you only the features that you need.
- Last but not least, we have taken the capabilities that are common to all SaaS applications (like user roles and security) and built these into our Atrium analytics platform (see below), where they can be shared across all our analytics products, improving the efficiency of our development and support processes, and hence the quality of service we can provide.

Although LeakVision is new, it bears a strong family resemblance to its PrimeWeb parent. Users who are familiar with PrimeWeb will still see the features they know, but refreshed within a modern interface, supported by scalable and highly performant back-end services. We are pleased with the outcome, and think you will be too!

### ABOUT ATRIUM

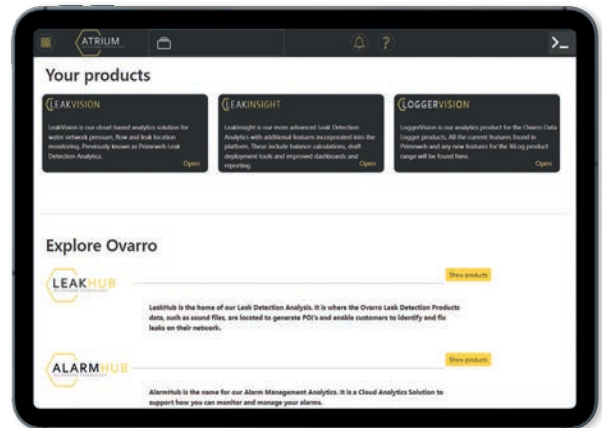
LeakVision is hosted in the Microsoft Azure Cloud, on the Ovarro Atrium analytics platform.

Atrium hosts a number of other analytics products including:

**LoggerVision**, LeakVision's sister product for non-acoustic loggers

**BurstDetect** for preventing pollution by detecting bursts on sewerage rising mains

**AlarmVision**, for monitoring and reducing alarm rates in busy control rooms.



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