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## Improvements to the “Meters of Interest” (MoI) algorithm in Leak Detector



### **Dear customer**

Our goal at Kamstrup is to build and deliver the most effective and valuable non-revenue water reduction tool. Therefore, we are pleased to announce that the 'Meters of Interest' (MoI) algorithm has been updated. MoI is Kamstrup's automatic leak detection feature found within Leak Detector.

The old Mol algorithm was a simple algorithm focussing mostly on identifying leaks based on a set of static parameters. Contrary to this, the new Mol algorithm is a machine learning algorithm – “Machine learning is an application of artificial intelligence that enables systems to learn and improve from experience without being explicitly programmed. Machine learning focuses on access to data and to learn from it.” Currently, Kamstrup has a database of more than 300,000 meters. As this number increases and as you, as a user, classify more noise curves as leaks/non-leaks via Leak Detector’s event formula, the new Mol machine learning algorithm will continue to improve.

To you as a customer, this update means that the number of Mols may change compared to what the previous algorithm suggested. However, the most likely scenario is that the new algorithm will suggest roughly the same number of Mols, but they will be suggested both faster and with greater precision. In other words, the hit rate (the number of suggested Mols that were leaks) will most likely improve.

Our goal with the Kamstrup Leak Detector is for you to save the time it takes to analyze noise curves by yourself, by being able to rely on the Mols suggested by Leak Detector. We will continually work to improve the algorithm for Mol, and in the future focus on creating new user settings to allow greater control of how many meters are suggested and how certain a recommendation must be.

## Your system has been updated!

You do not need to do anything, as the Mol algorithm has been automatically updated.

If you experience any problems, please contact Kamstrup Support at tel. 404-835-6716, as they can help you with the update and getting started.

Otherwise, you can find all our Leak Detector documentation on our website: <https://www.kamstrup.com/en-us/water-solutions/water-analytics/leak-detector/documents>

Happy leak hunting!

Best regards

Kamstrup A/S