

Welcome to the renewed Sensileau Sensor Platform site

The Sensileau team proudly presents the newly designed sensor platform site. During the summer months, we worked hard to develop a user-friendly and accessible site which allows you to create your own free account and browse the various tools of the platform. Over the next few months, the site will continue to grow as we publish new content, both in the sensor database and under the showcases. Keep an eye out for the announcement of our next webinar. Through our newsletter you can stay fully up-to-date on the latest developments and additions.



Best regards

The Sensileau Team

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New parameters, case studies and tools

Since September 2018, the following case-studies have been added to the sensor database:

- Development and implementation of QA/QC Procedures for Online Monitors Enabling Their Use in Real-Time Control for Drinking Water Treatment;
- Drinking Water in Remote Areas;
- Treatment of Secondary Effluent to Drinking Water Standards at Beenyup Wastewater Treatment Plant;
- Use of a Network of Sensors to Upgrade Eindhoven WWTP and Improve the Ecological Status of its Receiving Water.

Additionally, we are working on the development of a WWTP-scan, a step-by-step guide to assess sensor technologies present at wastewater treatment plants. Keep an eye out for its launch in November 2018.

Trends & developments

On February 1st, 2018, the European Commission presented its legislative proposal for a new Drinking Water Directive for Europe. In 2015, Annexes II and III to the DWD were amended, so that implementing the risk-based approach



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became voluntary for water supplies in Europe. The legislative proposal presented early 2018 is the outcome of a 15-year revision process and goes one step further: a risk-based approach towards drinking water production and distribution will become mandatory for every water utility in Europe. The current European Drinking Water Directive (98/83/EC; DWD) is deemed to focus too much on compliance at the consumer's tap. However, by the time the drinking water reaches the consumer, it is too late to take any action if the water does not meet the required standards.

The legislative proposal for a new European Drinking Water Directive stipulates that water utilities must perform a risk assessment for the complete process of drinking water production and distribution, and identify relevant parameters and monitoring frequencies for source water protection, treatment control, distribution network control and compliance at the tap. Fixed lists of parameters and limit values will be replaced by tailor-made monitoring programmes focusing on relevant parameters related to e.g. the source water used or the treatment method applied. Such monitoring programmes offer a lot more potential for online and on-site monitoring instrumentation than the current directive. Online sensor technology strongly supports monitoring programmes aimed at preventing quality issues and ensuring better process control. Their rapid results can directly be used in feedback and feed forward processes, so that adequate actions can be taken in case of contamination events or treatment

failures. This type of monitoring thus fits very well with the objective of the new directive to prevent water quality risks from materialising.

More information can be found at:

http://ec.europa.eu/environment/water/water-drink/pdf/revised_drinking_water_directive.pdf

New to the site

The Sensileau Sensor Platform has switched from a fee-based subscription model to pay-per view. This offers you the possibility to select and pay only for the information you are actually interested in.

Also, we very much welcome your experience with the deployment of water sensors! Therefore, Sensileau now rewards you with credits if you share your experience with us in a showcase or step-by-step guide, participate as a speaker or act as a host at one of our webinars or workshops.

The following table shows how many credits are used to access more detailed information or can be earned back by contributing to knowledge-exchange:

Information	Credits required	Credits earned
Parameter info-sheet	12	
Showcase	8	10
Step-by-step guide	8	10
Webinar	15	20
Workshop	50	30
Consultancy (per hour)	15	



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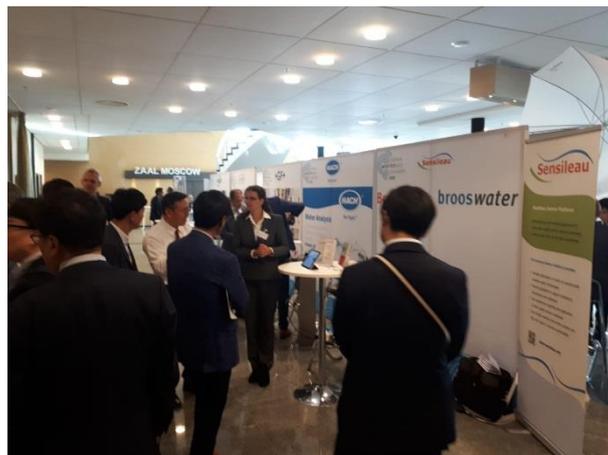
Agenda

Where have you encountered us recently?

On 25 September 2018, Sensileau launched its new webtool at the European Water Technology Week (EWTW) in Leeuwarden.

The first edition of EWTW focused on water technology and attracted more than 1,000 visitors from all over the world. Many of them became well acquainted with our knowledge-exchange platform for online monitoring and sensor technology. Meanwhile, this led to many new users. We wish you all a warm welcome to the Sensileau community.

Sensileau arose from years of experience in solving monitoring issues in the water sector. Online sensor technology is used increasingly for online monitoring of water quality. The number of measuring instruments is enormous, and it is difficult to keep up with the rapid developments in this field. More and better sensors are coming onto the market at an ever-growing pace. Sensileau is on its way to becoming an internationally recognised knowledge-exchange platform for online monitoring and sensor technology. We aim to provide the water industry with solid advice and practical support on both regular measurement programmes and online and project monitoring efforts. Our unique digital database contains an overview of almost all commercially available online sensor technologies worldwide with emphasis on exchanging knowledge and information based on reliable data.



What can you expect from us next?

- November 2018: launch of the WWTP-scan;
- December 2018: webinar on how to combine two goals in wastewater treatment: removal of organic micro-pollutants such as pharmaceuticals and reduction of the treatment's energy-consumption;
- March 2019: Sensor technologies for the detection of micro-organisms and their use related the requirements of European water legislation.

Keep an eye on our website for more detailed information regarding our upcoming events!



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