



Real time **Surveillance & Sampling** of Micropollutants in Drinking water can prevent disease spreading!

Drinking water is our most valuable commodity, at the same time drinking water is most vulnerable to different forms of contamination. No matter if the source is ground water or surface water or if it's treated with sophisticated technology, like chemical precipitation or UF, RO or Nano filtration. Drinking water reservoirs and distribution networks are most vulnerable.



To date there is no user-friendly, nor accurate real time on-line monitoring/surveillance and dynamic sampling system from the time of drinking water contamination. The operator of a treatment plant never gets **early warning** for sudden changes of biological load in drinking water. The changes come and goes unpredicted and unnoticed by the operators of a treatment plant. These sudden changes always bring high probability of microbiological growth, micro-pollutant contamination that can be harmful to the consumers or to sensitive processes that need clean, safe and controlled water quality.

For an operator of a treatment plant it's important to know real-time happenings in the treatment process otherwise consumers safety of drinking water quality will be compromised. Recognizing contamination in an early stage can save lives, disease spreading and increase the possibilities of finding solutions quickly and can prevent epidemics.

In recent years there has been increased interest for monitoring contaminants in water like pharmaceutical residues, personal care products, bacteria and parasites like *E-coli*, Cryptosporidium and Giardia. All these contaminants are commonly grouped as **micropollutants** in drinking water and can present a risk of contamination in the water ecosystem for marine life.



Aqua-Q, a Swedish SME, developed & and ETV verified a user friendly, optical online early warning monitoring and automatic sampling system AQUATRACK® for early detection of micro-pollutants in water and providing correct water to treatment plants to analyse.



Aqua-Qs **mission** is to provide water utilities cost effective, best patented and ETV verified solution for early warning for contamination and sampling system to maintain safety & security of drinking water quality to consumers.

Vision is to inspire utilities to adopt to innovative water technologies like AQUATRACK® and utilise the benefits of it to protect consumers from water contamination.

Real-time Sampling & Analysis gives high confidence in analyzing results and saves cost and lives

Contact: Sudhir Chowdhury, sudhir@aqu-a-q.se; Ulla Chowdhury, ulla@aqu-a-q.se; www.aqu-a-q.se