

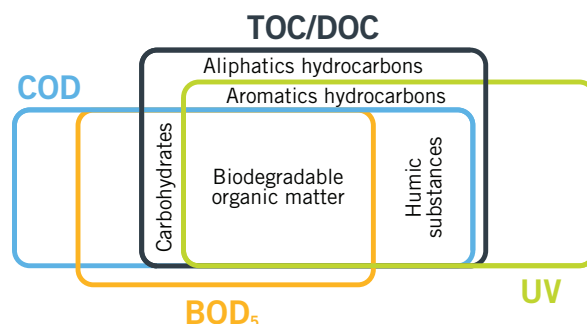
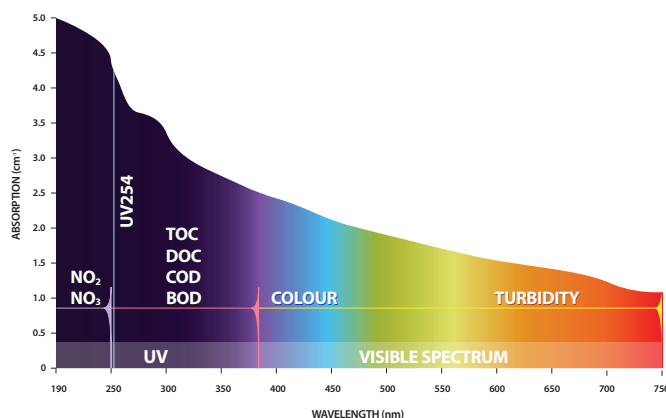
TECHNOLOGY

Real Tech is advancing the management of water and wastewater.

Our focus is on creating a whole new world of detection possibilities in water and wastewater that are practical, accurate and affordable.

Real Tech's innovative solutions use light for water quality analysis (spectrophotometry and fluorescence). Many water quality parameters and compounds absorb within the UV and visible wavelengths, including organic compounds, nitrate, nitrite, chromium VI, colour, permanganate, benzene, ozone and so much more.

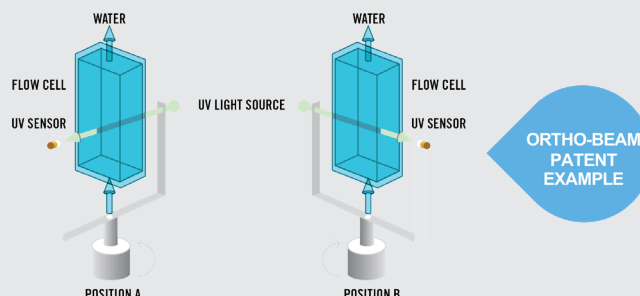
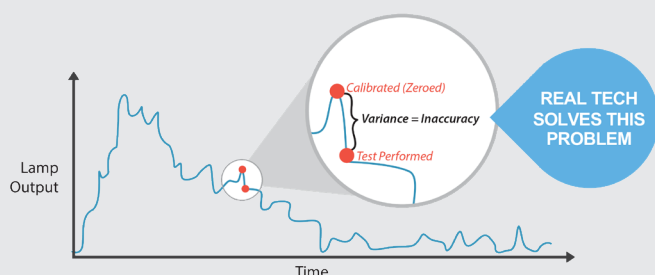
Organics measurement with UV can be correlated to other traditional aggregate organic parameters such as BOD, COD, DOC and TOC. However, UV-VIS spectral analysis has added benefit of being multi-dimensional allowing for detection of composition changes independent of their concentration.



Our technologies are allowing spectrophotometry and fluorescence measuring techniques to move from the lab to the process environment for real-time use.

Real tech has multiple patented, patent-pending and proprietary technologies primarily focused on overcoming fundamental challenges of using light for measurement in the most simple and effective manner by:

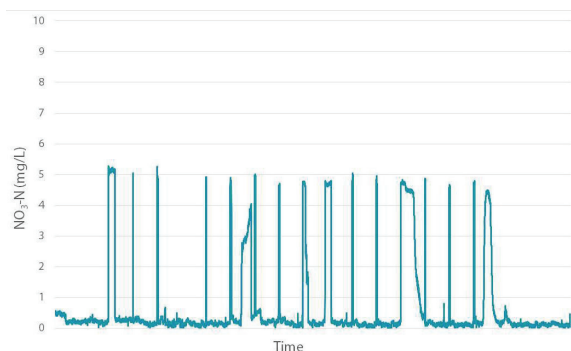
- Compensating for inherent drift and fluctuations of various light sources and temperature
- Allowing for most efficient use of light and maximizing light throughput



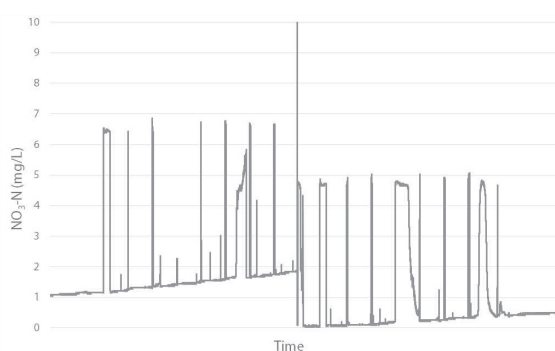
Example of our technologies improved performance.

Real Tech verses the leading competitor for nitrate analysis demonstrates our long-term, reliable output without fouling and maintenance.

REAL TECH INC.



COMPETITOR



Our Innovative Technologies Result In:

- Superior measurement performance
- Reduced requirement for frequent calibrating (zeroing)
- Stable output over time
- Automatic compensation of uneven fouling over time
- Improved affordability and reliability of optical sensors
- Ability to accommodate very short or long path lengths extending range capabilities
- Capability to effectively use multiple UV LED's in single sensor to create low cost real-time sensors for several important water quality parameters
- Customization of optics for particular application demands with modular design

Practical. Accurate. Affordable.

Real Tech has the most comprehensive optical sensor platform globally.



We know
one size
doesn't
fit all.

FORM FACTORS:

Probes, bypass sensors and portable field meters, we have the right form factor for your application.

DETECTION RANGES:

Longest path lengths for highest purity applications to very short path lengths and dilution system options to extend range capabilities to new levels.

LIGHT SOURCES:

Wide array of light source options from UV mercury lamps, UV LED's, visible LED's, deuterium, tungsten and xenon flash lamps. Allows for superior data quality and affordability by ensuring right light source for clients detection needs and budget.

ACCESSORIES:

Multiple automatic cleaning options, dual feed option and more, make operation simple.

LIQUID AI DATA ANALYTICS SERVICES:

Water is complex, we know how to bring intelligence to data to ensure confidence in results with highest accuracy and detection possibilities.

Real Tech Inc.

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