

TAKE CONTROL KNOW WHAT'S IN YOUR WATER

REALTECH
INC.

SHINING LIGHT ON WATER QUALITY



For over a decade, our vision has remained the same:

To improve access to water quality monitoring through the development of practical and affordable solutions.



Thousands of clients in over **45** countries around the world and counting



Our comprehensive product solutions provide rapid and accurate detection of contaminants, such as organics and nitrates, while maintaining ease of use & cost effectiveness.

OUR INNOVATIVE TECHNOLOGIES

solve challenges with using light for water quality analysis (spectrophotometry) in the most simple & effective manner. At a price point to meet any budget, we provide a strong ROI to our valued clients.

OUR CLIENTS

are the top priority at Real Tech. With clients in over 45 countries around the world, including large and small municipal water and wastewater treatment plants, major water industry leaders, Fortune 500 companies as well as government agencies, our focus is always on providing our clients with customized solutions for their unique needs.

OUR BENEFIT

can be seen across many applications, including optimization of various water treatment processes improving efficiency and creating significant cost savings; ensuring increasingly stringent water quality guidelines and regulations are met; improving drinking water security; minimizing environmental pollution of waterways; and ensuring effective water reuse.

OUR TEAM

makes all the difference; we truly care about our clients.

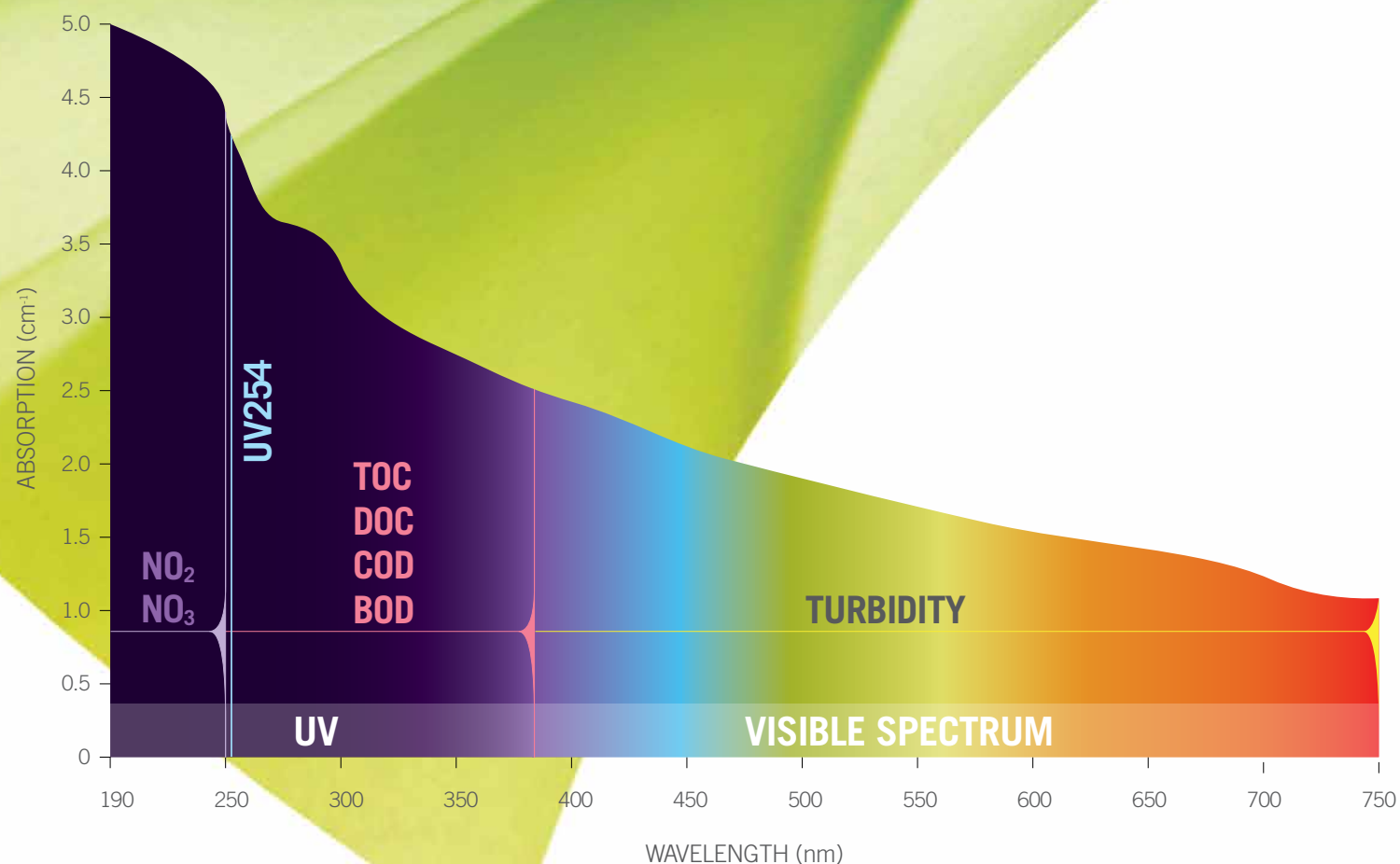
OUR FUTURE

is very bright as we continue to grow and create new solutions to meet the evolving needs of the water industry today and tomorrow, furthering our vision to make water quality analysis more attainable for all.



Discover the world of **REALTECH** INC.

Capabilities of Spectral Absorption



Many important water quality parameters can be detected by using light within the ultraviolet and/or visible (UV-VIS) spectrum.

Why choose spectral analysis?

Spectral analysis is a FAST, SIMPLE, and AFFORDABLE method to obtain laboratory quality measurement data in real-time.

By measuring light absorbed by a water sample at particular wavelengths, the concentration of a contaminant can be determined.

Absorbance measurements can be made at a single wavelength or over an extended spectral range. Measuring multiple wavelengths gives the ability to distinguish between water quality aspects, such as:

- Dissolved vs. Suspended matter
- Organic vs. Inorganic matter
- Biodegradable vs. Chemically degradable matter

Spectral analysis provides a number of water quality monitoring opportunities for various parameters, chemicals and contaminants, including:

- UVT / UV Transmittance
- UV254 or SAC
- DOC / Dissolved Organic Carbon
- TOC / Total Organic Carbon
- COD / Chemical Oxygen Demand
- BOD / Biological Oxygen Demand
- Benzene, Toluene, Xylene (BTX)
- Oil in Water
- NO₃ / Nitrate
- NO₂ / Nitrite
- Color
- TSS / Total Suspended Solids
- Potassium Permanganate
- Contaminant Alarm
- Spectral Fingerprint and more

“OUR RESEARCH IN THE FIELD REQUIRES INSTRUMENTS THAT ARE ACCURATE, ROBUST, AND EASY TO OPERATE AND MAINTAIN. REAL TECH EQUIPMENT MEETS OUR NEEDS.”

RON HOFMANN, PROFESSOR AND NSERC ASSOCIATE INDUSTRIAL RESEARCH CHAIR IN DRINKING WATER | UNIVERSITY OF TORONTO

Practical.
Accurate.
Affordable.

Improving global water quality with innovative monitoring solutions.

Real Tech Inc. manufactures a comprehensive optical sensor platform that includes single wavelength analyzers to full scanning custom systems to meet any client's demands.

TOTAL SOLUTION
MULTI-SENSOR PLATFORM



WITH OUR SMART-SENSE
SOFTWARE



SPECTRUM ANALYZER



NITRATE ANALYZER



UV BOD/COD ANALYZER



UV TOC ANALYZER



UV254 SENSORS



Real Tech's Solutions are:

EASY TO USE
AFFORDABLE / COST EFFECTIVE
REAL-TIME / CONTINUOUS
COMPREHENSIVE

ACCURATE & RELIABLE
REAGENTLESS
LOW MAINTENANCE
CUSTOMIZABLE

Build Your Total Solution



SELECT: One or multiple BOD/COD, TOC, Nitrate, Spectrum or UV254 Analyzers.



INTEGRATE: Up to 8 external sensors, including:

- pH
- Conductivity
- Dissolved Oxygen
- Turbidity
- ORP
- TSS
- Temperature
- ... and more



CHOOSE: From a suite of optional accessories to improve performance and lower maintenance.



ACCESS: Your data remotely with Real Tech's web-based remote monitoring option providing a comprehensive overview of all water quality data anywhere, anytime.



Customized platform to meet any client's needs



REAL-TIME, instant results, no waiting for the lab, to take control of your process immediately.

NO COMPLEXITY, the technology is simple and we do the work to bring meaning to your data.

OUR VALUE, one size doesn't fit all. We offer multiple solutions and provide the one that's right for you.

THE PRICE is affordable and maintenance is low with no reagents. Contact us, we would be happy to provide a quote.

“ A SOLID PIECE OF EQUIPMENT WITH RELIABLE PERFORMANCE ”

STEPHEN (TAI) TANG, RESEARCH SCIENTIST

TAKE CONTROL, KNOW WHAT'S IN YOUR WATER

From wastewater to high purity water, we have a monitoring solution that's right for you.

Discover the value we can bring to your application

- Limit surcharges
- Maximize efficiency
- Save money
- Improve response time
- Optimize processes
- Improve performance
- Lower maintenance
- Meet compliance
- Improve water quality

WASTEWATER

- BOD/COD Effluent Pollution Management
- Municipal Sewer Control
- UV Disinfection Performance

INDUSTRIAL WATER

- Process Water Control
- Cooling Water Contamination
- Boiler Feedwater Impurities
- Ultrapure Water Monitoring
- Water Reuse Optimization

DRINKING WATER

- Source Water Monitoring / Protection
- Nitrate Monitoring
- Coagulation Optimization
- TOC Removal Efficiency
- Contaminant Removal Efficiency
- UV Disinfection Performance
- DBP Formation Potential
- Smart Water Networks

**PRACTICAL.
ACCURATE.
AFFORDABLE.**

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