

SURFACE-FIRST™ WATER INTELLIGENCE HAB MONITORING FOR SURFACE WATERS & INTAKES

EARLIER VISIBILITY INTO CHANGING ALGAL CONDITIONS

Buoyant cyanobacteria often accumulate at the water surface before changes are reflected in submerged sensor readings.

Continuous surface monitoring adds another layer of visibility alongside sampling, laboratory analysis and submerged sensors.



See surface changes sooner

Track algal conditions continuously between sampling events.



Monitor where blooms accumulate

Observe the surface layer where buoyant cyanobacteria often concentrate first.



Eliminate biofouling maintenance

Non-contact. No submerged probe cleaning or recalibration.



Support timely decisions and response

Continuous trends can guide targeted sampling, field investigation, intake management and public advisories.

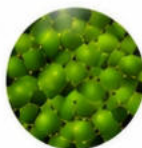


Extend monitoring to challenging locations

Long-range, non-contact monitoring enables deployment at remote, hard-to-access or difficult-to-instrument sites.

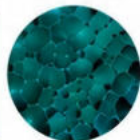


ALGAL PIGMENT MONITORING



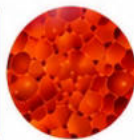
Chlorophyll-a

- General algal activity



Phycocyanin

- Freshwater cyanobacteria



Phycoerythrin

- Marine cyanobacteria

Fluorescence indicates pigment-related trends, not cell counts or toxin concentrations.

ALSO MONITORS



Hydrocarbons

- Oil & fuel sheens
- Spills & leaks



CDOM / fDOM

- Dissolved organic matter
- DBP precursors



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— Water Intelligence —

info@photontec.net

Continuous HAB visibility
from above the water surface.



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