

HOW SURFACE-FIRST™ WATER INTELLIGENCE

SUPPORTS MEMBRANE OPERATIONS

Earlier surface contaminant detection helps operators:



Protect intakes and membranes from hydrocarbons, HABs and organics

Detect key surface contaminants
before mixing and treatment impact



Enable earlier operational and pretreatment response

Support proactive dosing and process
decisions with earlier insight



Reduce membrane fouling risk

Detect surface contaminants before they
contribute to membrane fouling



Maintain membrane performance and extend membrane life

Support consistent water quality,
recovery and uptime



Deploy monitoring in difficult locations

Install above open channels, intakes and
other difficult-to-access water surfaces

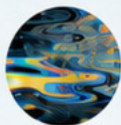


Dramatically reduce sensor maintenance

Non-contact. No biofouling.
Lower O&M and total cost of ownership.



Earlier awareness of contaminants through surface detection



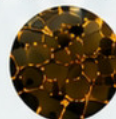
HYDROCARBONS

Oil & fuel sheens • spills •
leaks



HABs

Algal activity •
harmful algal blooms



ORGANICS

CDOM / fDOM •
dissolved organics



Smart Sensing for Safer and Cleaner Tomorrow



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Surface-First™
— Water Intelligence —



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Monitoring the air-water
interface—where many
contaminants appear first.

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