

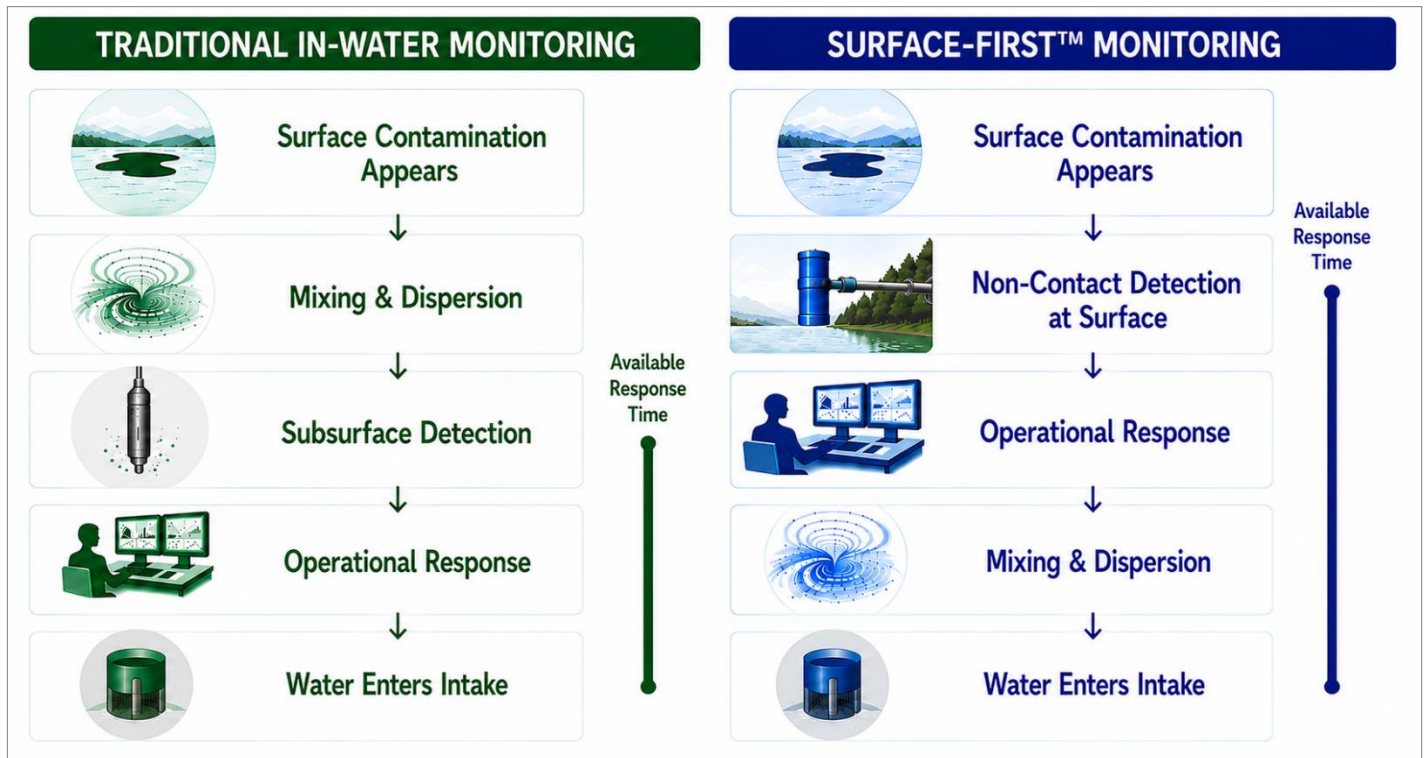
# Earlier Visibility for Better Operational Decisions

*Earlier operational awareness for source-water protection, treatment decisions and resilient water systems*

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## What Surface-First™ Detects

- Hydrocarbon sheens, spills, and leaks
- Algal activity and harmful algal blooms (HABs)
- Dissolved organic matter (CDOM/fDOM)

These surface indicators influence source-water quality, treatment performance and membrane operations. Earlier visibility provides more time for better-informed operational decisions.

## Why Surface-First Is Different

- Continuous, non-contact monitoring eliminates biofouling-related maintenance
- Observes where many surface-water threats first emerge or concentrate
- Provides earlier detection of stronger, more localized surface signals before mixing & dispersion
- Deployable at intake structures and other constrained monitoring locations
- Complements sampling, laboratory analysis and submerged sensors

## Where Surface-First Creates Value

### Source-Water Protection

- Hydrocarbon spill and sheen monitoring
- HAB monitoring and early warning
- Organic matter and DBP precursor monitoring

### Treatment & Operations

- Intake protection and source-water management
- Treatment-process assessment and adjustment
- Membrane-system monitoring and fouling management

**Surface-First™ Water Intelligence adds a new layer of operational awareness through continuous monitoring of the often-unobserved air-water interface.**