



***In-Situ***

**Process  
Monitoring**

[www.in-situ.com](http://www.in-situ.com)

**ChemScan**  
An In-Situ Brand

**partech**  
An In-Situ Brand

**IN-SITU OFFERS A COMPLETE PORTFOLIO OF SOLUTIONS SUITABLE FOR USE IN A VARIETY OF DRINKING WATER AND WASTEWATER APPLICATIONS.**

## Online Analyzers

Reliable and easy-to-use single-line and multiple-line water analyzers known for accurate analysis, real-time data and continuous monitoring.



## Online Monitor

Flexible monitors that display results from as many as 16 sensors and transmit data to a SCADA system.



## In-Tank Sensors

A full line of low-maintenance digital sensors designed to perform in harsh environments measuring dissolved oxygen, pH, redox/ORP, conductivity, color, temperature, salinity, suspended solids, and turbidity.



## Portables

Simple, reliable and cost-effective spot-checking tools to gather and record data on multiple water quality parameters.



## Multiparameter Sensor

The MPX4 Multiparameter Sonde with interchangeable sensors, anti-fouling wiper and Bluetooth communication for deployed or handheld water quality monitoring.



## Telemetry

VuLink cellular telemetry, with one-press setup and enhanced reliability, to simplify remote water quality monitoring and make it easy to access and manage data from anywhere.



# DATA YOU CAN TRUST. EQUIPMENT YOU CAN RELY ON.

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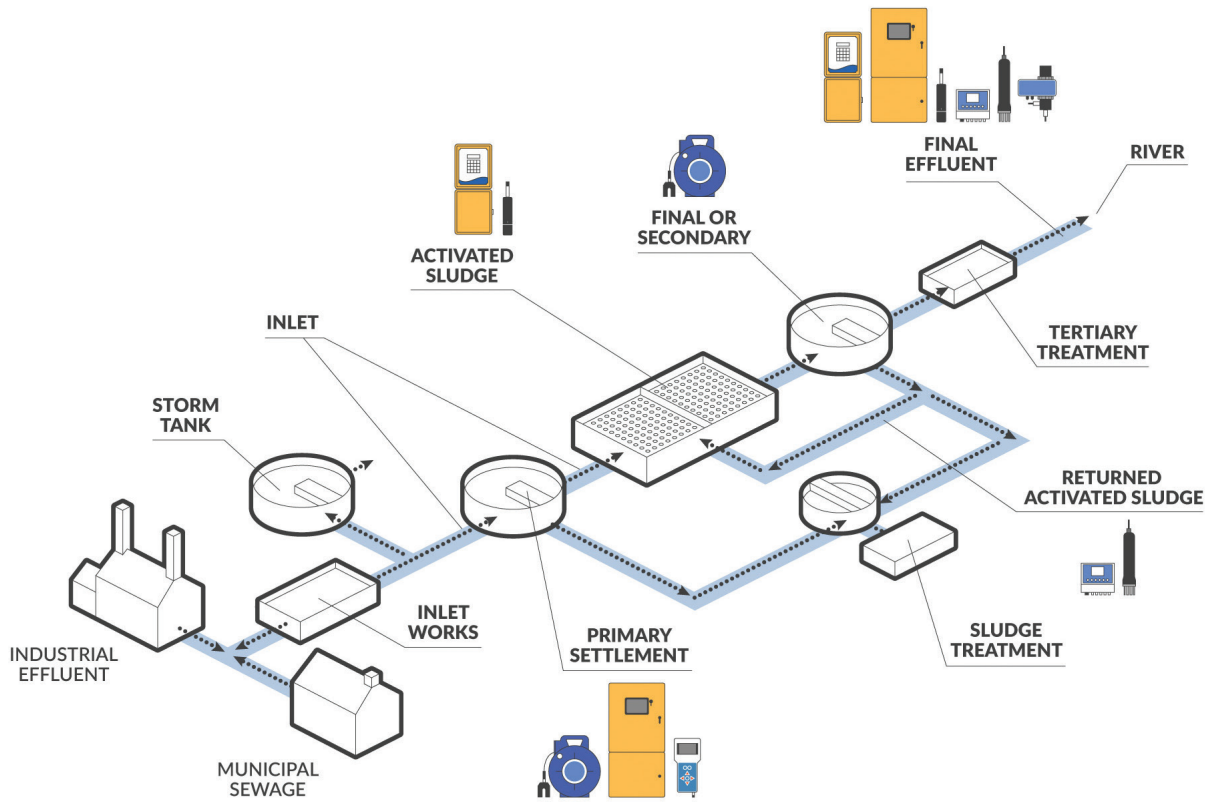
**SIMPLIFY DATA COLLECTION AND MONITORING AT EVERY POINT WITH INDUSTRIAL-GRADE ONLINE ANALYZERS, PORTABLE MONITORS, RELIABLE SENSORS AND FLEXIBLE COMMUNICATION OPTIONS. OUR TOOLS OFFER CONSISTENCY ACROSS A FULL RANGE OF DRINKING WATER AND WASTEWATER APPLICATIONS.**

In-Situ specializes in the design, manufacture and sale of premium environmental and process monitoring equipment, with a mission to develop innovative technologies used to monitor and protect the world's water resources.

We offer cost-effective solutions to simplify your water and wastewater monitoring and analysis programs to increase plant efficiency and reduce energy costs.

Our ChemScan online analyzers and Partech line of water quality sensors, combined with In-Situ dissolved oxygen sensor technology and multiparameter water quality instruments provide a complete in-plant monitoring system to help you control costs and energy use, optimize operations and stay in compliance.





# WASTEWATER MONITORING

MEET REGULATORY REQUIREMENTS AND CONTROL COSTS WITH RUGGED, EASY-TO-USE SOLUTIONS FOR WASTEWATER MONITORING AND CHEMICAL ANALYSIS.

## Ammonia-Based Aeration Control

Measure ammonia to optimize aeration and control nitrification with robust, low-maintenance mini analyzers for real-time data and continuous monitoring.

## Activated Sludge

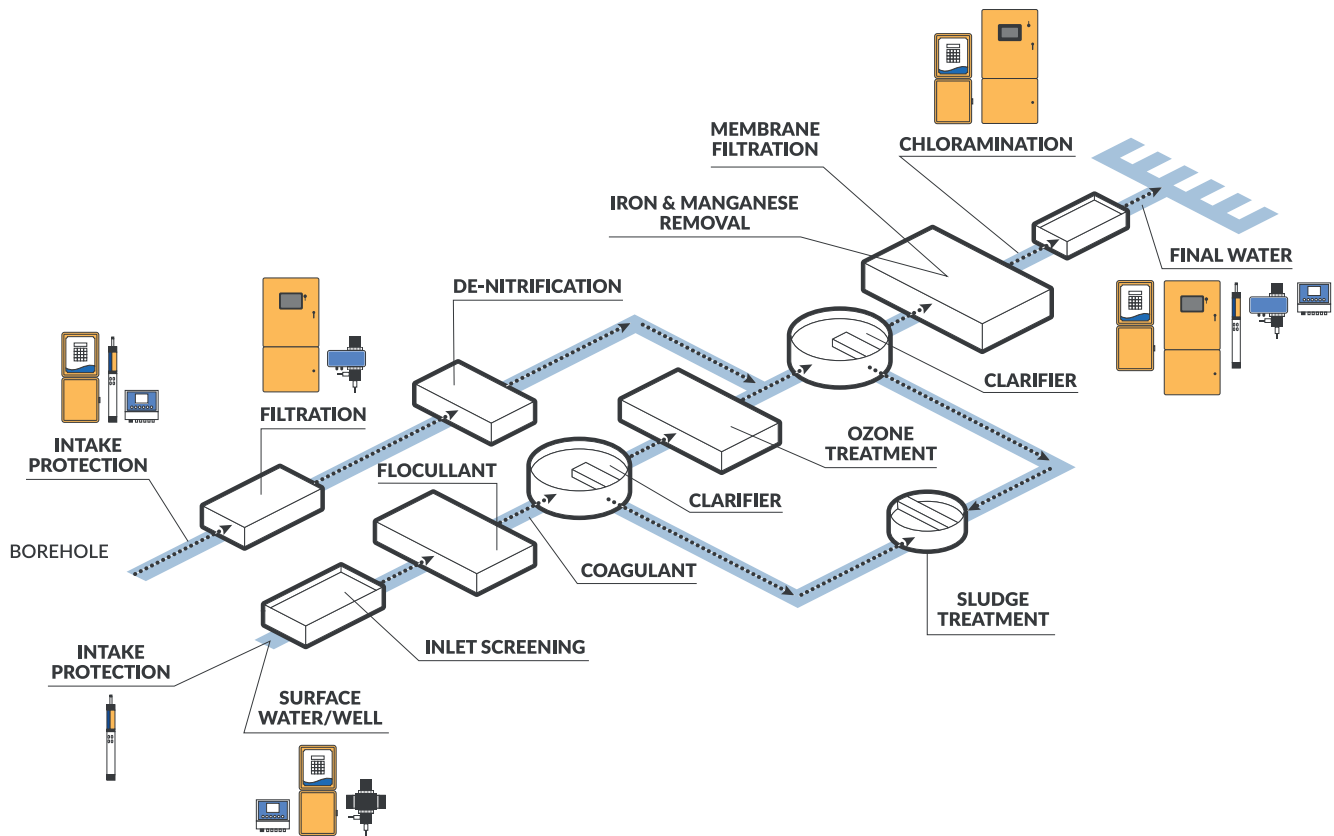
Rely on accurate measurement of dissolved oxygen, redox, pH, temperature and total suspended solids to reduce energy use and maintain biological balance in your activated sludge plant.

## Nutrient Analysis

Control the nitrogen and phosphorous removal processes with reliable ammonia, nitrite, nitrate and phosphorous measurements at frequent intervals from multiple sample points.

## Sludge Blanket Monitoring

Improve final effluent and sludge quality with infrared sensors for portable, cost-effective spot-checking of sludge blanket levels in settlement tanks.



# DRINKING WATER MONITORING

EFFECTIVE AND EFFICIENT DRINKING WATER TREATMENT PROCESS CONTROL REQUIRES ACCESS TO ACCURATE, REAL-TIME DATA AND RELIABLE MONITORING SOLUTIONS.

## Raw Water Intake

Maintain correct dosing, test multiple parameters and manage operating costs with reliable and low-maintenance equipment for measurement and analysis of your inlet channel.

## Filtration

Continuously monitor and analyze multiple process points during filtration, to help ensure government requirements are met using the most optimized process.

## Chloramination

Maximize the formation of monochloramines while minimizing the DBP creation and nitrification in your disinfection process with timely chemistry measurements.

## Finished Water

Rely on process expertise and accurate data to control your treatment process, meet regulations and ensure the safety of your finished water.



**DATA YOU CAN TRUST AND EQUIPMENT YOU CAN RELY ON. OUR APPLICATION-OPTIMIZED SOLUTIONS WORK TOGETHER TO DELIVER DECISION-QUALITY DATA IN REAL TIME.**

**AND OUR TEAM OF EXPERTS IS RENOWNED FOR OUTSTANDING CUSTOMER SERVICE AND TECHNICAL SUPPORT.**

#### **MONITORING PARAMETERS:**

##### **SENSORS**

- Ammonium
- Blue Green Algae (Phycocyanin)
- Chlorophyll a
- Chloride
- Color
- Conductivity
- Dissolved Oxygen
- Free Chlorine
- Level
- Nitrate
- pH
- Pressure
- ORP
- Sludge Blanket Level
- Suspended Solids
- Temperature
- Turbidity

##### **ANALYZERS**

- Free Ammonia
- Total Ammonia
- Total Chlorine
- Chrome VI
- Copper
- Iron
- Manganese
- Monochloramine
- Nickel
- Nitrate
- Nitrite
- Percent Transmittance
- Ortho Phosphate
- Peracetic Acid (PAA)
- Specific Absorbance
- Sulfite, Dechlorination
- BOD (UV Correlation)
- COD (UV Correlation)
- TOC (UV Correlation)



#### **Sales and General Inquiries:**

1-262-717-9500 (U.S.A. and international)  
+44 (0) 1726 879800 (UK and EU)  
sales@in-situ.com

**[www.in-situ.com](http://www.in-situ.com)**

221 East Lincoln Avenue  
Fort Collins, CO 80524

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