

# Seeking partners and feedback on online sensor technologies for wastewater treatment plant effluent compliance monitoring.

## Summary

---

Profile type

**Technology request**

Company's country

**Belgium**

POD reference

**TRBE20260521016**

Profile status

**PUBLISHED**

Type of partnership

**Commercial agreement with  
technical assistance**

Targeted countries

**• All countries**

Contact Person

**[Enrico FRANZIN](#)**

Term of validity

**21 May 2026****21 May 2027**

Last update

**21 May 2026**

## General Information

---

### Short summary

A wastewater management stakeholder is exploring the use of online sensors and real-time monitoring technologies as a potential alternative or complement to conventional laboratory analyses for wastewater treatment plant effluent compliance monitoring.

The organisation is looking for technology providers, utilities, research centres, pilot projects or operational feedback related to the implementation of online monitoring systems for regulatory purposes.

#### Full description

The organisation is currently assessing the feasibility of using online sensors and continuous monitoring technologies for the compliance monitoring of treated wastewater discharged from wastewater treatment plants.

The parameters of interest mainly include:

- Total Suspended Solids (TSS)
- Chemical Oxygen Demand (COD)
- Total Organic Carbon (TOC)
- Nitrates

The objective is to evaluate whether online measurements could partially substitute or complement conventional laboratory analyses while maintaining regulatory reliability and compliance.

They are particularly interested in:

- Types of sensors and technologies currently in use;
- Operational constraints and field experience (maintenance, cleaning, recalibration, fouling, sensor drift, robustness, etc.);
- Methodologies used to demonstrate equivalence, correlation or regulatory acceptance compared with standard laboratory analyses;
- Existing pilot projects, case studies or operational deployments;
- Partnerships for technical exchanges, benchmarking activities or collaborative projects.

#### Advantages and innovations

#### Technical specification or expertise sought

They are seeking contacts with organisations that have already developed or tested such solutions in operational environments.

#### Stage of development

**Already on the market**

#### Sustainable Development goals

**• Goal 6: Clean Water and Sanitation**

#### IPR Status

#### IPR Notes

IPR Notes

## Partner Sought

---

### Expected role of the partner

Technology providers, water utilities, engineering companies, research organisations, universities, innovation centres, public authorities or industrial operators with experience in online wastewater monitoring technologies.

### Type of partnership

**Commercial agreement with technical assistance**

### Type and size of the partner

- **SME <=10**
- **Big company**
- **University**
- **R&D Institution**
- **SME 50 - 249**
- **SME 11-49**
- **Other**

## Dissemination

---

### Technology keywords

- **10004001 - Industrial Water Treatment**

### Market keywords

- **08004003 - Water treatment equipment and waste disposal systems**

### Targeted countries

- **All countries**

### Sector groups involved