



## VACANCY

# Field Validation Specialist – Greenhouse Gas Monitoring (m/f/d)

Full-time

Location: Switzerland

Apply via: [support@sensorxsolutions.com](mailto:support@sensorxsolutions.com)

### Join the X-Team

SensorX Solutions AG is an innovative and fast-growing startup developing next-generation sensing technologies for smart greenhouse gas (GHG) monitoring. Our mission is to make high-performance emissions monitoring accessible, scalable, and field-deployable—supporting global efforts to tackle climate change.

Our multidisciplinary team combines expertise in sensor engineering, optics, data analytics, and environmental monitoring, and works across three continents. Our technology has received multiple innovation awards, and we collaborate with leading research institutions and industrial partners worldwide.

We are looking for a Field Validation Specialist to help bring our sensing technologies from the laboratory into real-world applications. This role focuses on field testing, validation, and deployment of advanced gas sensing systems, as well as the development of GHG monitoring and inspection services for our customers.

If you enjoy working at the intersection of technology, field science, and climate impact, and want to help build innovative environmental monitoring solutions, we would love to hear from you.

### Your Role

As a Field Validation Specialist, you will be responsible for validating and deploying advanced gas sensing systems in real-world environments. You will lead field testing campaigns, emissions inspections, and measurement validation activities across multiple sectors, including agriculture, wastewater treatment, industrial facilities, and emerging hydrogen/ammonia energy systems.

You will also play a key role in developing service offerings based on SensorX technologies, transforming technical capabilities into scalable monitoring and inspection solutions for customers.

### Key Responsibilities

- Plan and conduct field validation campaigns for advanced gas sensing technologies
- Perform GHG monitoring and emissions inspection services for customers
- Deploy and operate portable and drone-based sensing systems in the field
- Analyse measurement data and validate sensor performance under real-world conditions
- Develop and refine service products for emissions monitoring and quantification
- Support customers in understanding measurement results and emissions sources
- Contribute to documentation, reporting, and development of standardized service workflows
- Provide feedback from field operations to the R&D team to improve sensor design and performance

## Your Profile

We are looking for a hands-on professional who enjoys working both in the field and with advanced technology, and who is motivated to contribute to innovative climate solutions.

## Required

- Master's degree or Bachelor's degree in Environmental Engineering, Atmospheric Science, Engineering, Physics, or a related field
- Minimum 3 years of experience in field measurements, environmental monitoring, or sensor validation
- Experience working with measurement instruments and data collection systems
- Strong analytical skills and experience interpreting environmental measurement data
- Ability to work independently in field environments and manage measurement campaigns
- Willingness to travel for field testing and inspection activities
- Strong communication skills in English

## Preferred

- Experience with greenhouse gas monitoring or atmospheric measurements
- Experience with gas sensing technologies or environmental instrumentation
- Familiarity with drone-based monitoring systems
- Experience in environmental consulting, inspection services, or field validation programs
- Basic programming or data analysis skills (e.g., Python, MATLAB)

## What We Offer

- The opportunity to work on cutting-edge climate technology with real-world impact
- A chance to help develop new environmental monitoring services and solutions
- A dynamic and entrepreneurial startup environment
- Collaboration with leading research institutes and international partners
- A multicultural team across three continents
- The opportunity to work both in the field and with advanced sensing technologies

At SensorX, you will help translate advanced sensing innovation into real-world climate solutions.

## Interested?

Send your CV and a short motivation statement to:

[support@sensorxsolutions.com](mailto:support@sensorxsolutions.com)

Subject line: Sensor Development Engineer Application

Join the X-Team and help shape the future of smart greenhouse gas monitoring.