

# Case History

## GC on-site Technology for Odour Nuisances Monitoring

Place: Taranto

Installation: 2021

Instrument: PyxisGC BTEX

Customer: ARPA Puglia



### INTRODUCTION

**Odour emissions** are one of the most important causes of complaints by citizens. Given the subjective nature of olfactory perceptions, their assessment is a very complex issue to deal with. This is a problem that does not necessarily concern directly the citizens' health, however it can have a strong impact on **people's psychophysical well-being and quality of life**.

### REQUEST

Given the complexity of the subject, **ARPA Puglia** has felt the need to implement **high-performance technologies** to integrate and enhance the current technological setup for **monitoring olfactory nuisances**.

### SOLUTION

Since the beginning of 2021 Pollution Analytical Equipment, in collaboration with ARPA Puglia, has started an extremely interesting test to evaluate the **PyxisGC BTEX applicability to odour nuisances monitoring** in specific contexts.

The test, carried out by ARPA Puglia technicians at a "receptor" site, involves different technologies comparison and integration, including the PyxisGC BTEX, for the **study and monitoring of the odour footprint** produced by the relevant industrial area.



## CONCLUSIONS

The data provided by PyxisGC BTEX and other tools are still being evaluated; however, initial assessments show that the **miniaturized GC technology** applied to odour nuisances monitoring provide **reassuring and reliable results**, guaranteeing a **remarkable performance**.



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