

Controlling air emissions



Reduction at the source and air treatment

To grow and prosper, now more than ever, companies in every sector (industrial, municipal, agricultural) must work towards sustainable development by controlling air emissions, i.e., odours, volatile organic compounds (VOCs), and greenhouse gas (GHG) emissions, etc.

That's why CRIQ's environmental experts have come up with sampling, continuous measurement, and analysis (chemical and sensory) services, as well as effective treatment processes based on environmental biotechnologies, e.g., biofiltration and bioscrubbing, to support Québec businesses.

Controlling industrial air emissions

OUR EXPERTISE

- IT research
- Onsite plant diagnostics
- Development and optimization of air treatment processes
- Industrial prototyping
- Process upscaling
- Technical and economic analysis
- Sensory, physical, and chemical analysis of air

CUSTOMIZED SOLUTIONS

CRIQ's technological solutions for the treatment of a wide range of industrial air contaminants (odours, VOCs, H₂S, NH₃, GHGs, etc.) were developed and adapted to meet the specific needs of companies, as well as the environmental standards and discharge objectives in force.

R&D INFRASTRUCTURE

- Test facility (950 m²)
- Demonstration units
- Mobile lab
- Systems that continuously measure industrial air emissions (FTIR, UV absorption - Micro GC/TCD)
- Portable gas analyzers (H₂S, CH₄, CO₂, O₂, COV total VOCs, etc.)
- Portable dynamic dilution olfactometer (measures odour intensity)



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For advice or information on concerning controlling air emissions:

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