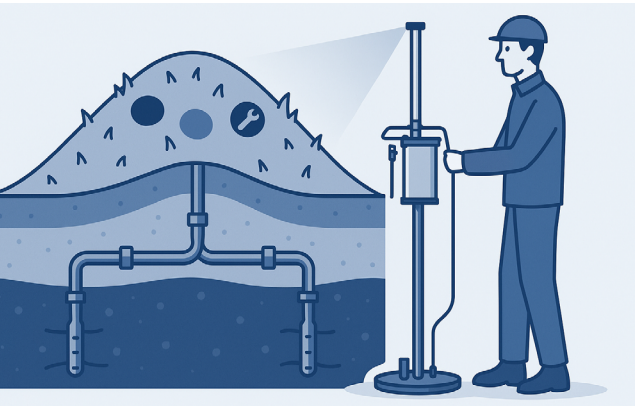


Hotspot detection and repair



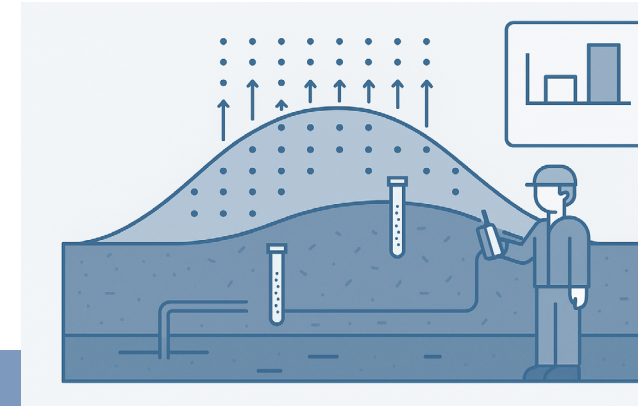
The Hotspot Detection & Repair service focuses on locating and identifying emission hotspots at landfills – areas where gas leaks occur (or where air infiltrates into the gas collection system) due to technical failures, such as defects in the sealing layer, gas wells, or drainage systems. Based on the findings, we prepare a proposal of remedial measures that effectively eliminate point emissions and contribute to more efficient operation of gas utilization or removal. These steps should ideally precede regulatory audits and/or methane emission measurements required for reporting to pollution registers.

FluxScan Methane Monitoring



The FluxScan Methane Monitoring service provides detailed measurement of methane emissions from landfill surfaces using the fluxscan technique. During a single campaign, several hundred samples are taken within one day from randomly selected and evenly distributed points across the landfill surface. Measurements are carried out under characteristic meteorological conditions – primarily during stable pressure regimes, when the soil is not saturated with rain, and outside periods of extreme weather – to ensure reliable results. The outputs are data that can serve as a basis for methane emission reporting to pollution registers or for creating heat maps of gas leaks.

FluxScan Screening



FluxScan Screening is a fast and cost-effective method for preliminary assessment of landfill gas production, carried out without drilling or pumping tests. It serves as an efficient screening step prior to technically and financially demanding procedures for gas resource verification. The evaluation is based on comparing the average composition of gas inside the landfill with the composition and volume of emissions directly escaping from its surface. Emission sampling is performed using the fluxscan method at hundreds of points on the landfill surface, while landfill gas quality is determined using shallow probes at the boundary of the oxidation zone. This screening provides a reliable picture of the landfill's current status, facilitates decision-making on further gas utilization or removal, and may serve as a basis for gas collection system design.

Fluxscan Methane Monitoring

— Since 2008 —



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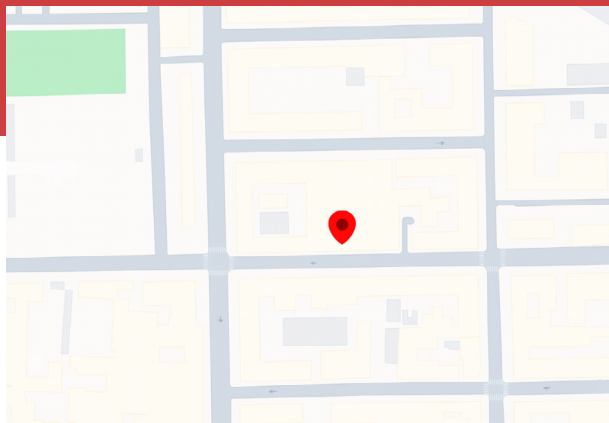
+420 603 161 021



pavel.novak@ingpavelnovak.cz



Osadní 26, Praha 7, 170 00 Czech republic



FLUXSCAN
surface methane emissions measurement



- ☒ Proven method for measuring methane emissions
- ☒ Estimates of emissions and landfill gas production
- ☒ Option to create methane emission heat maps
- ☒ Efficient tool for landfill gas management