

eNoses often reveal gas passages that are considered unimaginable to many.

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Over the last decade various eNose networks have been realized in The Netherlands. In some case companies operate eNoses on their premises to track sources of unusual gas releases onsite. Various authorities in The Netherlands have installed eNoses too. The main purpose of those networks is to trace dispersion of gas emission in the public area along industrial sites.

Often the eNoses reveal passages of gas emissions that were considered unimaginable to many. Breathtaking results have been presented. For example, traces of hydrogen gas are being detected by eNoses at distance of 300 kilometer from the source. Another example is the tracing of the source of an emission, which resulted in an unusual peak recording of the benzene concentration measured on an air quality monitoring station that was 200 km upwind.

During the presentation the results and data-analyses method of these and other remarkable examples will be explained.