



Finnish cleantech startup Aeromon revolutionises emissions mapping through drone-mounted sensors

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Innovative Finnish cleantech startup [Aeromon](#) has developed a unique platform for rapidly mapping over 70 different industrial emissions. By deploying sensors in static, hand-held and drone-mounted configurations, Aeromon uses its cloud-based service to fluidly analyse emissions patterns in any industrial setting - including those that previously proved difficult to access. This enables Aeromon clients to save more time and resources than ever before when managing the environmental effects of their operations, and to protect members of the public from potential unforeseen hazards.

Founded in 2015 with the original intent to monitor shipping emissions in harbours, **Jouko Salo**, Aeromon Chairman, soon realised that the Aeromon platform had the potential to help a wide range of clients. *"I started Aeromon, as I saw that there were no technologies available to monitor emissions from ships sailing on the seas near coastlines. We made the decision to apply flexible modular architecture to our design from the very beginning so that we could vary the systems for multiple uses. This has proven valuable in building the monitoring concept for environmental emissions and process industry."*

Aeromon successfully conducted pilots at the Ämmässuo waste treatment centre (operated by the Helsinki Region Environmental Services Authority HSY, Finland) in 2015, and in oil and gas industry sites in 2016. The pilots demonstrated the potential to make significant efficiency and financial savings in process industry monitoring applications.

In each study, the lightweight, easily deployable nature of the Aeromon platform made it possible to map large areas which would normally prove time consuming solely on foot. When coupled with automated analysis and visual reporting, the whole emissions mapping process gains huge efficiency increases.

"By measuring emissions with drones, we now have the potential to locate emissions which might otherwise go unnoticed," concludes **Jouko Salo**. *"It also allows our clients to get more complete results quicker than ever before, as difficult locations can now be easily reached and mapping can be done swiftly. Also, our cloud based automatic reporting and calibration management makes the workflow*

leaner, which in turn gives companies more time to focus on actions based on their newly-acquired information."

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For additional information:

[Media kit](#) (pictures)

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Aeromon wants to help the world understand the true extent of its emissions. Aeromon's analytics platform and mobile sensors help industry professionals measure and visualize more than 70 different gases.

The Aeromon Emission Monitoring System consists of an RPA-mounted BH-8 sensor module with an active sampling system, a data handling/communications computer and a web based analysis platform, the Aeromon Cloud Service. When combined, Aeromon gives its industrial partners the ability to rapidly map on-site emissions in a flexible, accurate manner, delivering significant time savings, real time reporting capabilities and a scalable cloud data storage solution, Aeromon Cloud Storage (ACS).

Aeromon started operations in 2015 and is based in Helsinki, Finland. For more on what the company does, visit aeromon.fi.