

Engaging students by building and deploying air quality monitors

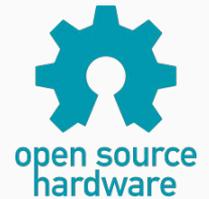
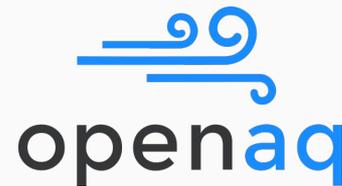
Achim Haug, Founder & CEO AirGradient

Opposite my House March 2019





- Started as a volunteer project at a school out of wildfire affected Northern Thailand
- Design & manufacture indoor and outdoor air quality monitors and data platform
- Special focus supporting educational projects & research, e.g. SAMHE
- Monitors are also available as popular open source hardware design
- Working to encourage open data and sustainable designs





- Industry grade sensor modules measuring CO₂, PM, TVOCs, Temperature and Humidity ensuring accurate results
- Indoor & Outdoor monitors available
- Professionally designed delivering the same accurate results as commercial monitors
- Very easy to assemble (pre-soldered kits available) - used in more than 50 countries
- Hardware & software easy to extend
- Ideal for educational and research purposes



PREM
TINSULANONDA
INTERNATIONAL SCHOOL
CHIANG MAI THAILAND



CAQ
Camp

Clean Air For Our Future
29 February – 1 March 2020

Learner Outcomes: participants will

- Investigate the impact of forest fire on the local environment
- Interact with local people and experts with an interest in local forest
- Explore the impacts of high levels of PM2.5
- Develop skills of advocacy
- Work together collaboratively to create a project that can be worked on in school to raise awareness of the problem of forest burning in represented areas

Student Workshop Building Air Purifiers and Sensors



BASIC



Compact air quality monitor with industry grade sensors but without enclosure.

PRO Pre-Soldered Indoor Monitor



Identical to the PRO kit but all components pre-soldered, the MCU pre-flashed and can be assembled in five minutes. We do also test all components before shipping to ensure you get an accurate and reliable device.

Open Air Outdoor Monitor



Outdoor air quality monitor with dual PM modules. Measures PM1, PM2.5, PM10, Temperature and Humidity. Comes with pre-assembled PCB and can be built without soldering within minutes.

More information & built instructions:

<https://www.airgradient.com/kits/>





AirGradient Co. Ltd.

181 M.10 Baan Nam Long Soi 2
Sanpong, Mae Rim
Chiang Mai 50180
Thailand

More Information:

support@airgradient.com

<https://www.airgradient.com/schools/>