



# Environmental monitoring for construction sites by Safera

The scope of the project is to adapt Safera's existing air quality monitoring technology to be used for monitoring environmental factors on construction sites.

The target outcome of the project includes a device for recording the environmental data on site, and a cloud service for processing reports for the client. The data is transferred to the cloud over a cellular network.

## Why is environmental monitoring needed?

- Controlling temperature and humidity is crucial for making healthy buildings.
- Fine particles (PM<sub>2,5</sub>) is a raising occupational health concern and regulations are tightening.

## What do you get to do?

- Prototyping (mechanics, electronics, software)
- Service and web design (cloud service)
- Industrial and CAD-design (final product)
- Optional: Airflow simulations, CFD
- Optional: Optics & lens simulation and development

## The sponsor

Safera was founded in 2007 and has its roots deep in the Design Factory's soil. Safera's main product is stove guard, which fights the #1 cause of household fires. Recently we have also focused on air quality monitoring in kitchens, and are now looking for a new business opportunity within the construction industry.

[www.safera.com](http://www.safera.com)