



Overview of the AQMesh API

AQMesh offers an Application Programming Interface (API) to provide secure and seamless air quality data feed into any system or media from the secure AQMeshData server. Clients **with a programming resource** can use the API to integrate data from AQMesh with other systems, including presenting AQMesh visually to the public. APIs are the hidden connections that drive much of modern data integration.

Examples of AQMeshData.net API data access in action:

[Publishing live data for the Breathe London pilot](#) or [volcanic emissions around Keflavik airport in Iceland](#)

[Driving tunnel ventilation controls in Marseille](#)

[Managing dust or pollutant exceedances](#)

How it works

The API is designed to allow the client to store their own copy of the data and to ensure that they do not miss any data.

The AQMesh team initially provide API instructions and access to our test server. This allows new API customers and potential or demo users to use these instructions to set up calls for data.

In order to avoid unnecessary repetitive or duplicated calls, which affects the speed of response for all users, the AQMesh API is set up to use 'pointers' which will allow new data to be called, but not data which has already been accessed. Test users all access the same demo pods located at the AQMesh base, not their own pods.

Our API instructions include information about off-the-shelf services available ([Postman API](#)) which can be used to help set up the API.

Once the programmer has set up and tested the API on the AQMesh test server, the AQMesh team can transfer access to the live AQMeshData.net server and the customer can see their own pods.

Data security

AQMeshData.net uses the https:// protocol, where the 's' represents a secure connection using SSL (secure socket layer). SSL is a type of security that provides an encrypted connection to the server. The API connection also requires encrypted OATH tokens which offers another level of protection.

Getting started

Contact our [Business Coordination team](#) to set up a test AQMeshData.net API or ask any questions.

