Using **Ogauge** cloud services

When designing an advanced IIoT device like Ogauge, there are several factors witch come into play. One has to think of the following :

- Mobile access (device configuration, registration, unclaim procedures)

- Telemetry data, which is one way

- Device control, which is two way (needs more security)

   Internet access is needed for all of the above.

- OTA (over the air upgrade) for
  - Firmware upgrade
  - Regulatory requirements

- Help functions (forgot password, problems in use)
  - forgot password
  - problem resolution help
  - registration of gauge
  - unclaim device procedure

The general architecture of Ogauge is given in brief in the following picture :

Config data server
AWS
- Device certificates
- Other certificates

Control data — Two way

Control data (two way)

Cloud app
AWS
- Other certificates
- Access token

Telemetry data (one way)

OTA
- Firmware upgrade
- Regulatory requirements

- Device certificates
- Access token

Ogauge

Mobile app server
Google
- Registration
- Help
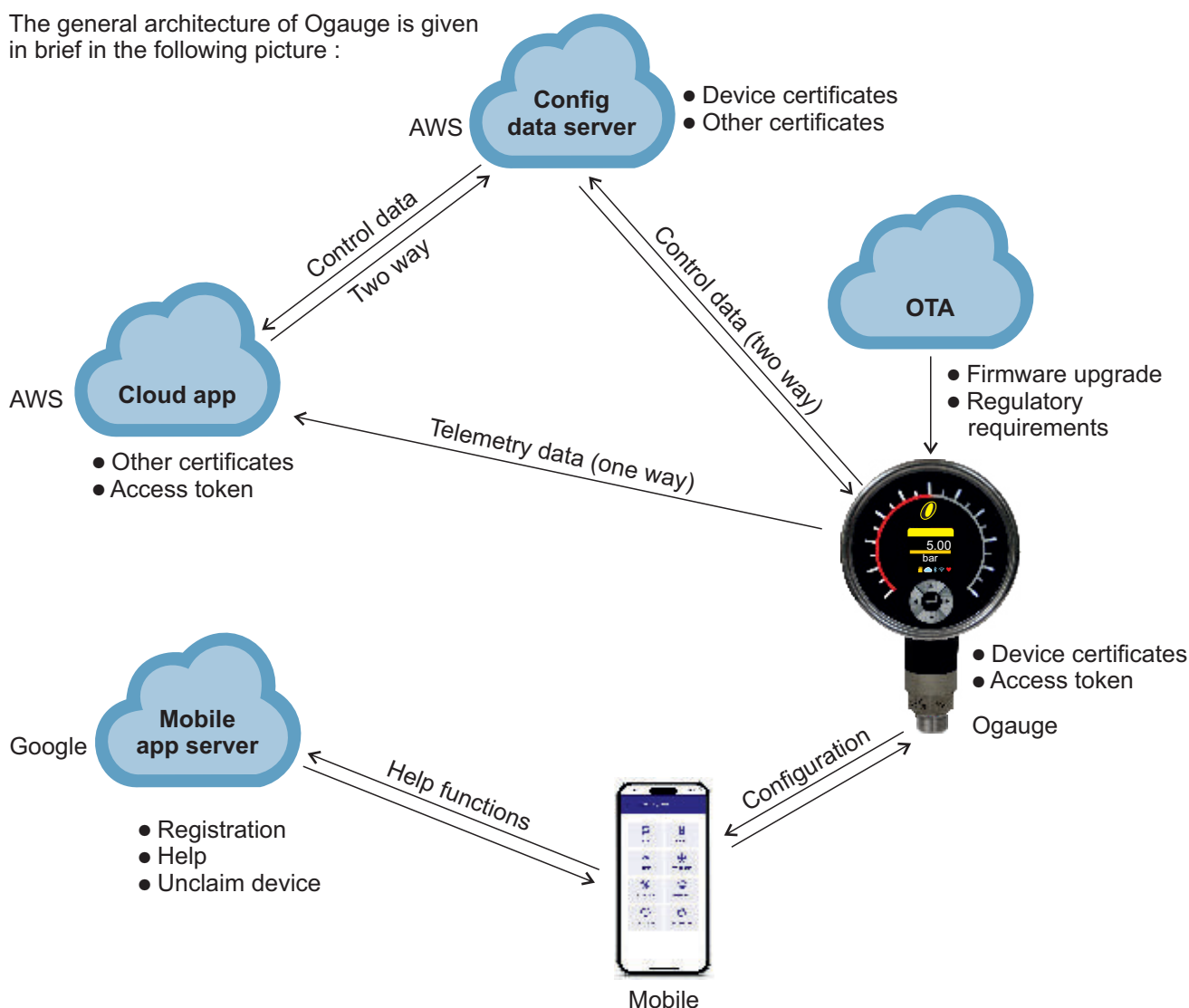- Unclaim device

Help functions

Configuration

Mobile

Fig. 1

Can I use Ogauge
without the cloud service?

If you intend to use Ogauge without cloud services, it will be manufactured and despatched to you as such.

In this case, you will not have access to the cloud app and all it's subsequent facilities (marked in red in the following image), ever. Using cloud services will never be an option for such an Ogauge.

In such a case, the cloud charges (USD 15 per device per month, or as applicable in your region from time to time) will not be applicable.

Rest of the cloud services (not marked in red), will still be accessible, and there will not be any recurring charge for it.
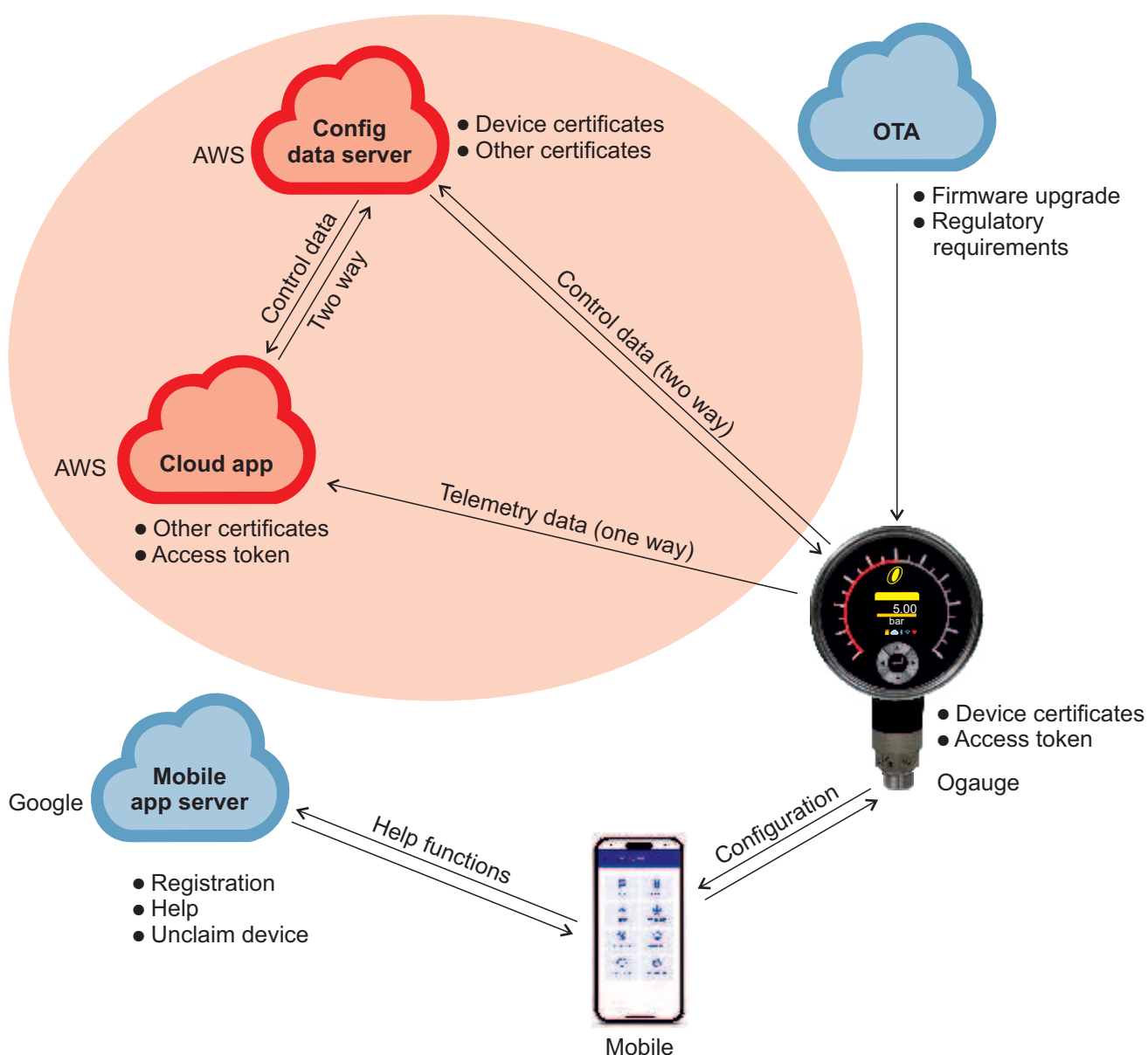

Fig. 2

Website : www.ogauge.io

Can I use Ogauge on my own cloud service, bypassing your service?

Ogauge has been extensively tested over the years for all the functions depicted in Fig 1 (please refer Page 1).

This architecture provides a secure encrypted data exchange.

The whole ecosystem involves :

- mobile app firmware (Android and iOS),
- firmware of the Ogauge
- all related codes in the cloud application server
- all related codes on AWS servers
- all related codes on registration server
- all related codes on OTA server

Using ONLY customers' cloud servers will need replicating and testing and perfecting all of this above configuration all over again.

This is not feasible unless a large quantity (hundreds of Ogauges) is purchased by a single customer.

However, it is possible to extract your device data from our cloud services and use it on your cloud application, or integrating it into your data structure by your IT personnel. We can provide APIs for this task. You will still be able to use standard dashboards provided with every Ogauge, and any upgrades provided on the cloud, with your login names and passwords.

In such a case, the cloud charges (USD 15 per device per month, or as applicable in your region from time to time) *will still be applicable*, even if you are using your cloud services.

For any further clarification, please write to support@oguage.io