

## FALCON C1 MODULE

C1 is a wireless communication module. C1 sends collected data to FALCON (BROEN-LAB IOT cloud tool). The communication is done via a 4G Modem (NB2). C1 is easy to install and can operate in a harsh environment. Installation is done on a rail that is either mounted on the wall or the BROEN-LAB Sensor Module.

### The C1 module has inputs for 4 sensors:

- › Flow switch (on/off)
- › Flow turbine (volume)
- › Pressure (bar)
- › Temperature



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## TECHNICAL DATA C1 MODULE

Power Supply:	5-24 VDC – Internal Lithium battery (4 years lifetime)
Digital Input:	2
Analogue Input:	2 (0-10V or 4-20mA)
I2C-bus:	1
Network:	4G Modem – NB-IOT (NB2)
IP rating:	IP65



## IOT PLATFORM GENERAL INFORMATION

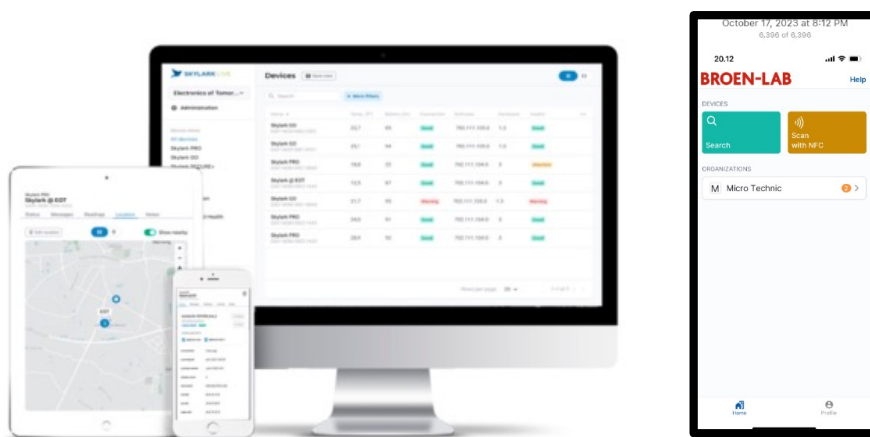
The platform handles e.g all data collection from all C1 (communication module) installed in a large production facility with a high number of emergency safety showers.

Falcon gives the customer:

- › An easy access to system status (insidents or observations)
  - Precise information of locations where problems has occurred
- › Service made on real measured data according to EN15154
  - Storage of historic data
  - Time stamps of last service
- › Notifications to selected colleagues if shower is activated (safety incident)
- › One tool to incorporate several ESS types/brands in same IOT system (FALCON)
  - Also non-IOT devises.

## IOT PLATFORM USER INTERFACES

The user can access the platform and his own data via either a mobile phone (APP) or web interface on a computer.

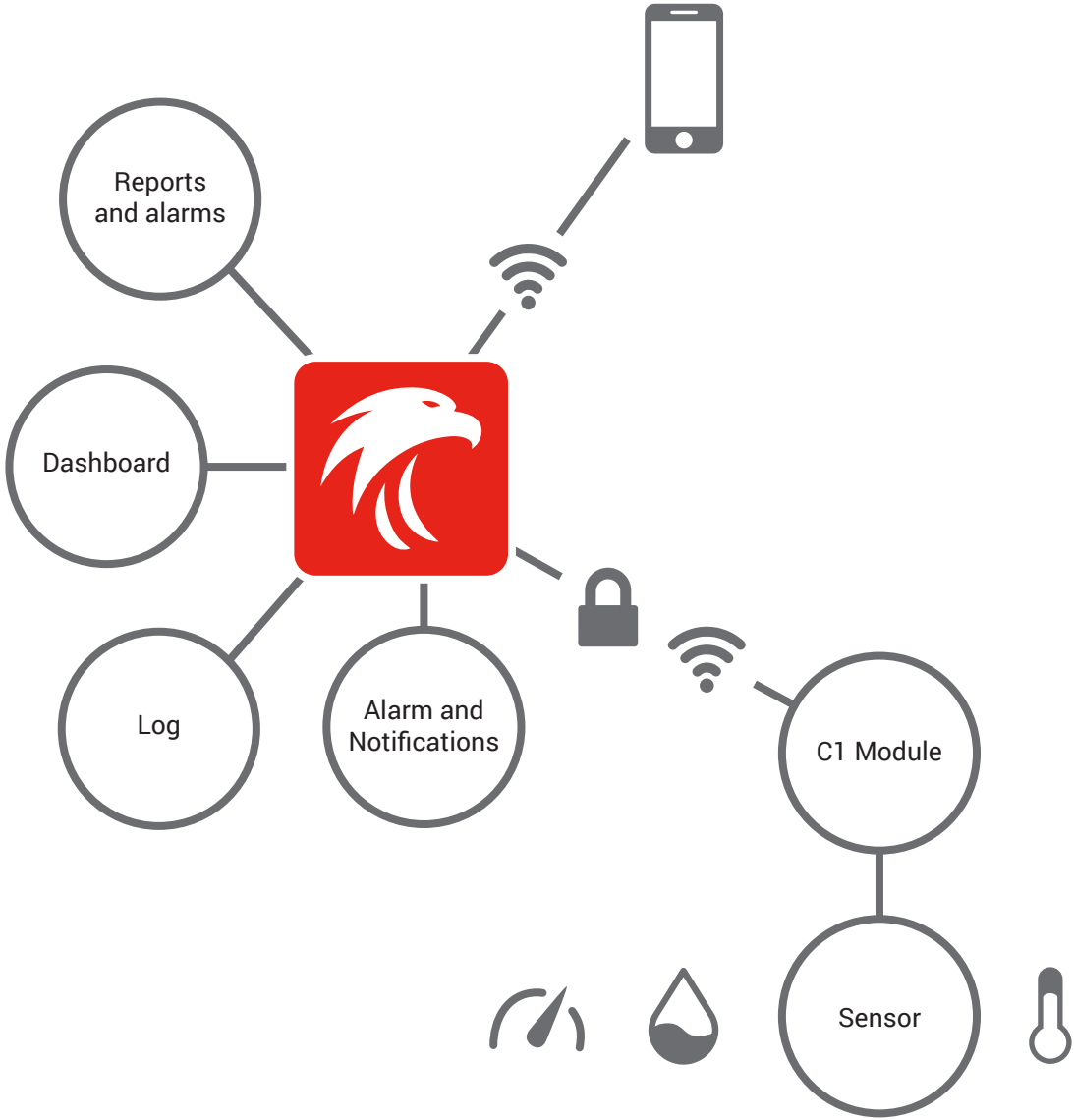


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## IOT PLATFORM OVERVIEW



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## INSTALLATION MEASUREMENT GUIDE

