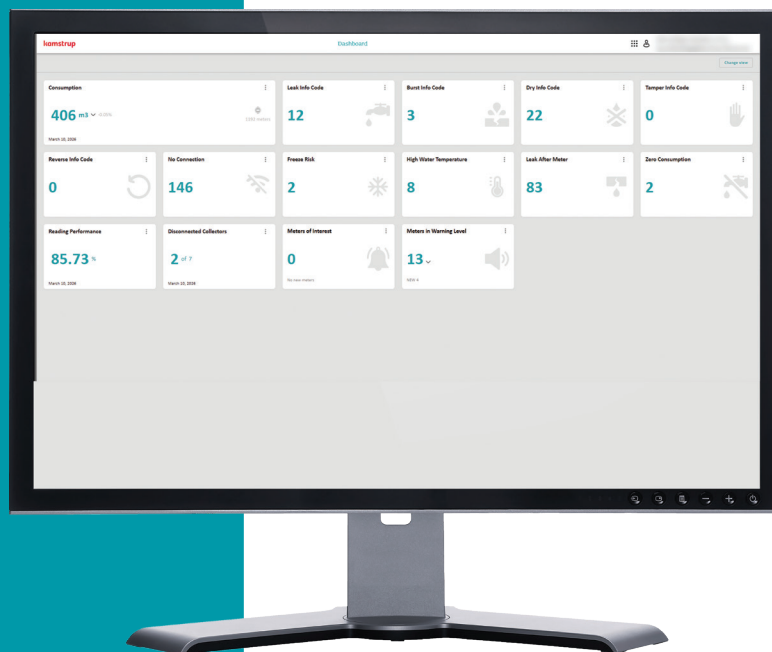


## Data sheet

### flowIQ® Smart Water Platform

Intuitive, scalable, cloud- and app-based single platform solution for reading and managing data from intelligent water meters

- Powerful and flexible data integration and API support
- Effective alert and installation management
- Near real-time notifications



## flowIQ® Smart Water Platform: Cutting edge software for actionable insights

flowIQ® Smart Water Platform is Kamstrup's software solution designed to provide actionable insights into utility and customer-level consumption, intelligent alert and network management. The user-friendly interface allows for easy navigation, enabling users to maintain an overview and stay on top of abnormal consumption and meter health through effective filtering and proactive notifications from a top-down perspective. The at-a-glance dashboard displays alerts, and other key performance indicators, making it simple to dive into necessary actions. Hosted regionally in a Microsoft Azure cloud setup, flowIQ® Smart Water Platform ensures your data is protected with the latest rigorous security measures.

### Highlighted features:

#### Data management

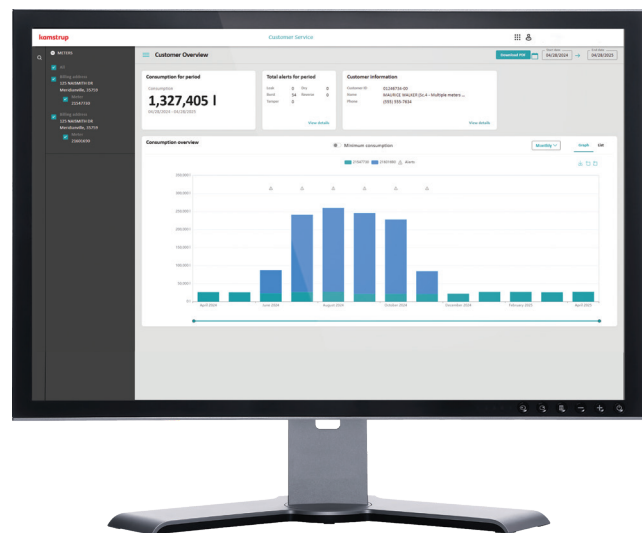
- Single software platform for fixed network and NB-IoT data reading and alert support
- High data security utilizing Kamstrup encryption keys for advance security with AES-128 bit encryption
- Alert management for thresholds and normal vs. high priority alarms
- Data import and export functionality for customer integrations and data analysis
- Management of mobile route creation and Drive-by reads/alarms
- Network Collector management and notifications
- Alert notifications via email or SMS

#### Data integration

- Flexible user-defined import and export integrations with customizable CSV, fixed width, or API formats for billing or data analysis
- Automatic import and export functionality (scheduling)
- Possibility of receiving readings by email (predefined intervals)
- Advanced filtering
- API integration using REST and Webhook (SHA-256) via JSON (e.g. for consumption to do billing)

#### Data visualization

- At a Glance Dashboard for a fast operational overview
- An optimized customer service module that facilitates good consumer dialog
- Meter/Concentrator and infrastructure location on a map
- Automatic GIS coordinates based on addresses
- Alert overview with flexible filtering and sorting options
- Intelligent alerts
- Display of logged data from meters
- Grouping of meters
- Analysis of users by high/low or no consumption
- Download consumption reports and export CSV file of chosen alerts
- A new installation management tool to enhance troubleshooting and providing insight to a single installation.



## flowIQ® Smart Water Platform - Hardware and software requirements

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### Hardware requirements

Type	Minimum	Recommended
Processor	Intel Core I3 compatible processor (2.4 GHz) or equivalent	Intel Core i5 compatible processor (Intel Core i5-6300U, 2.4 GHz or faster)
RAM	8 GB	16 GB
Monitor Resolution	XGA-1024 x 768	FDH-1920 x 1080
Interaction	Keyboard & Mouse	Keyboard & Mouse

### Software requirements

Type	Minimum	Recommended
Browser	Google Chrome, Apple Safari or Microsoft Edge. Latest or previous version.	Google Chrome, Apple Safari or Microsoft Edge. Latest version.
Internet Connection	10Mbit with HTTPS (port 443)	100Mbit with HTTPS (port 443)

### Thinning of data

Data is stored only as long as required. By default, data that is collected via network and drive-by is automatically thinned according to the procedure below:

- All readings are saved at least 13 months
- After 13 months all readings are compressed to 1 reading per day
- After 10 years all readings are deleted

### Security

Kamstrup is ISAE3000 and ISO27001:2022 certified and works in alignment to relevant aspects of CIS18 and the IEC62443 set of standards.

## Mobile App - Mobile reading and installation tool

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### Main features

- Easy and intuitive user interface
- Map and list view of meters and routes
- Graphical display of logged data from meters
- Display of alarms
- Verification of the signal strength from meters
- Configuration of network components

### Recommended hardware

Supported smart phones	Supported tablets
Samsung Galaxy S23	Samsung Galaxy Tab S9
Samsung A Series A54	
HUAWEI P60	

### Hardware

<b>Memory</b>	Minimum 8 GB
<b>Connection</b>	Wi-Fi, Bluetooth 5.0
<b>Display size and resolution</b>	Minimum 4.3" and 1024 x 768

In addition, some features require the following:

<b>Memory</b>	Minimum 12 MB
<b>Connection</b>	Wi-Fi, Bluetooth 2.1
<b>Display size and resolution</b>	Minimum 4.3" and 1024 x 768

- Mobile data access (SIM card) for using map view
- Integrated camera in smartphone (for easy pairing of PC software and smartphone app)

### Software

<b>Android OS</b>	Minimum version 11 (Security updated)
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IP access to PC software via Wi-Fi Google Play access (Google account).

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### Kamstrup A/S

Industrivej 28, Stilling  
DK-8660 Skanderborg  
T: +45 89 93 10 00  
info@kamstrup.com  
kamstrup.com