VERILOG

Web portal for remote reading, monitoring, alerting and billing export – water, electricity, gas and heat

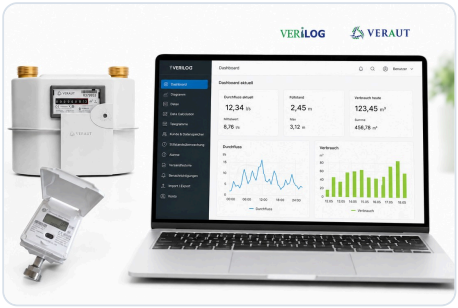
OPERATED IN AUSTRIA · GDPR COMPLIANT · MQTT · COAP · FTP · 6 CHART TYPES · 3 ALARM TYPES · CSV · XLS · JSON · WATERLOO · K5 · NO INSTALLATION · GERMAN / ENGLISH

One platform from the meter to the invoice

VERILOG is the VERAUT web portal for remote reading and monitoring of meters and sensors. It receives the data of the data loggers via MQTT, CoAP or FTP, keeps it centrally, presents it graphically and as tables, monitors limit values and passes the values on to downstream systems.

The portal runs in the browser; no installation is required, and operation and data storage are on VERAUT servers in Austria. Roles and permissions govern which areas a user sees and which customers, sites, data loggers and measurements are visible.

The inventory is modelled in four levels – **customer → site → data logger → measurement** – from a single house connection to an entire supply area.



12 areas

Dashboard, Chart, Data, Data Calculation, Telegrams, inventory, downtime monitoring, alarms, dispatch history, notifications, import/export, account.

6 chart types

Line, bar, level, heatmap, xrange and bullet – the same data presented to suit the question being asked.

3 alarm types

Limit value, zero and on/off, with e-mail to several recipients and complete evidence of dispatch.

Always current

The dashboard updates by itself; every user compiles their own watch list.

Functional scope

- Dashboard per user, continuously updated, with sum, average, maximum and minimum
- Evaluation by year, month, week, day or free period, comparison of two periods
- Selection tree by customer, site, data logger or measurement, with filter and multiple selection
- Table of individual values with time stamp, display value, raw value, type and interval
- Calculated values from several measuring points – such as a zone balance for leak detection
- Downtime monitoring with presets for 24 h, 3 and 7 days
- Telegram view of the raw data for troubleshooting, with CSV export
- Alarms with limit values, observation period and enable switch
- Dispatch history for alarm e-mails and exports with recipient, time and status
- Automatic and manual exports by e-mail, FTP or interface
- Master data maintenance via Excel with preview; meter exchange without breaking the history
- Save charts as an image or print them; operator notices shown on the dashboard

Typical applications

- **Water supply** – elevated tank and network monitoring: fill level, pressure, flow
- **Leak detection** – zone balance as a calculated value, zero-consumption alarm on continuous flow
- **Billing** – meter readings at a given date, monthly export to accounting or a billing system
- **Submetering** – service charge accounting in residential and commercial property
- **Energy monitoring** – electricity, gas and heat in the same portal, basis for efficiency measures
- **Facility management** – temperature, door contacts, pump running times, fault signals
- **Network operation** – outage detection through downtime monitoring and signal quality
- **Managed services** – one portal for many customers, separated by permissions

DATA SOURCES NB IoT BOX LITE, MINI, LITE PRESSURE, GPS and MICRO · VERIBOX-MINI with 4G · VUSWM ultrasonic water meters DN15 – DN600 · further devices with MQTT, CoAP or FTP

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Issue: September 2026. Subject to technical change. The information describes the functional status of the VERILOG Web Portal at the time of preparation and does not constitute warranted characteristics in a legal sense. The functional scope actually available depends on role, permissions and the order confirmation.

01 Areas of the portal

AREA	WHAT IT IS USED FOR
Dashboard	Own selection of important charts
Chart	Six presentation types, period comparison
Data	Individual values with time stamp and raw value
Data Calculation	Calculated values from several measuring points
Telegrams	Raw telegrams, with CSV export
Customer & Data Logger	Inventory: customers, sites, devices, measurements
Downtime monitoring	Devices without data for a selectable period
Alarms – Warnings	Define limit values, review messages
Dispatch history	Evidence of e-mails and exports sent
Notifications	Operator messages with validity period
Import – Export	Exports and master data import via Excel
Account settings	Own details, language and password

02 Chart types

Line	Progressions with average line: fill level, pressure, temperature
Bar	Quantities per time segment: daily and monthly consumption
Level	The tank in cross-section with fill level in per cent
Heatmap	A grid of days and hours with the value as colour
Xrange	Time bars for states: pump running, door open, fault contact
Bullet	A single value against a target value, as a bar with a marker

03 Alerting and evidence

Type: limit value	The measurement leaves the range between the lower and upper limit – pressure, fill level, temperature
Type: zero	Not a single zero value in the period – the classic sign of continuous flow and leakage
Type: on/off	A state alternates between 0 and 1 – door contact, pump, fault signal
Per rule	Measuring point, limits, observation period, recipients, enable switch; evidence in the dispatch history with time and status

04 Interfaces and data sources

Transmission paths	MQTT, CoAP and FTP
Data sources	VERIBOX-MINI, NB-IoT Box (Lite, Mini, GPS, Micro), VUSWM and others
Connectivity	NB-IoT, LTE-M, 4G and 5G – depending on the device variant; values assigned via the search key
Encryption	Secret key per device for encrypted transmission
Send interval	Device-dependent, usually 60 minutes
Onward delivery	Export to HES, MDM, ERP and billing systems

05 Export and import

Export types	Automatic (recurring) or manual (one-off)
Delivery	E-mail, FTP server or interface
File formats	CSV, XLS, JSON as well as Waterloo and K5
Period	Interval or period covered, per job
Direct download	Most recently generated file via “Download” in the browser
Master data import	Download the Excel file, edit and upload it again; controlled by the CRUD column, with preview before committing

06 Calculated values and zone balance

Principle	Inflow – consumption = outflow; a balance away from zero means water is lost unmetered
Further uses	Difference between flow and return, mean of several temperatures, sum of meters; shown as a line or bar chart

07 Data model and master data

Levels	Customer → site → data logger → measurement; site with GPS coordinates for the map view
Data logger	Serial number, communication type and profile, secret key, send interval, FactorX, make, nominal size, verification data, installation date, object number
Measurement	Display name, type, search key, interval, unit, medium (water, electricity, gas, heat), initial value, pulse factor
Meter exchange	Dedicated procedure – the consumption history remains continuous

08 Operation, access and security

Deployment	Servers operated by VERAUT in Austria, GDPR compliant
Access	www.veraut.eu, sign in with user name and password
Browsers	Current versions of Chrome, Edge or Firefox; no installation
Roles	Administrator and user; menus shown per role and permission
Visibility	Permissions per customer, site, device and measurement; self-service password reset by e-mail
Languages	German and English; user manual available in both languages

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