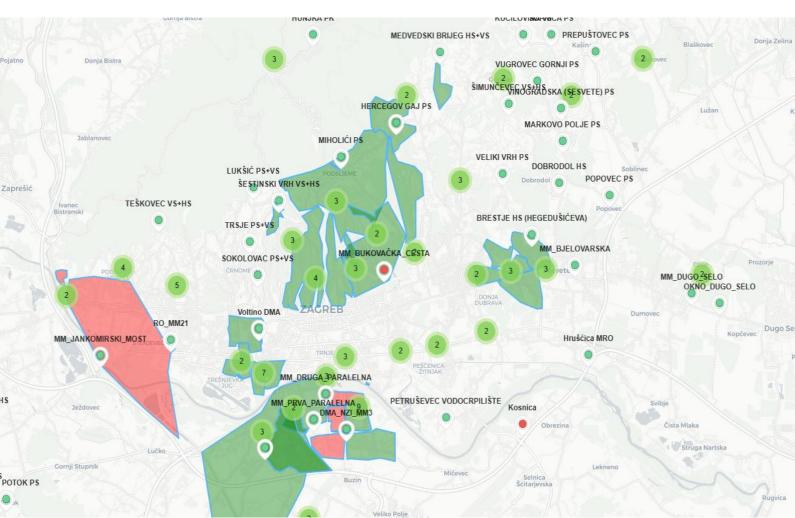




All-in-one IoT platform with Leakage Solution module



# Recognize problems before they arise.

A powerful web-based platform for real-time data collection, processing, and visualization granting you enhanced overview and improving your search for water losses.

## Smart alarms

#### Your benefits

- Data consolidated in one place
- Standardized dashboards
- Available at any time, from any place and on every device
- Advanced visualization through line/bar charts, heat maps, symbolic widgets and many more
- User specific dashboards with access control
- All information at a glance



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Connect to

almost anything

### **System overview**

RUGG Itmoyer Main overview								Ŧ	Filters S History - last 7 days	🖌 Edit mode 👲	
MAIN DIGFLAY	mentaleran convenier everage Office		DMASKIP INSPECTIONS			ICNS			SELLINGS		
Active meters: 176	Inactive zones: 98	Inactive meters: 26	🚺 DMA z	one		+ a		6.0	SCADA OBJECT	<u>ବ</u> ର <b>ଆ</b>	
	HERCEGOV GAJ PS	• • • taan	Area	Activity	T_PROTOK (I/s)	Pressure (ba			Short name 🕈	Communication	
lan Internet	Destructes MINOLICI HS	MARKOVO POLJE PS	Šestin peak HB	•	3.85		/	8	ADAMOVEC VS.	•	
Shee	LUKŠIĆ PS-VS CMLMIKOU HS	BIG TOP PS DOBRODOL HS DOBRODOL HS DODORC PS	Susedgred HS	•	0.56	10.4	1		ANINDOL PS	•	
Autom TE SKON	SIXIN PEAK VS-HSCMA BISINFC STERANOVEC JOPO		PS Stremik- ZOPO		2	0	1		BALTIN JAREK PS	•	
	TRSJEPS-VS	DAME INTE STORE BYSIE ITLOUARSMA	Direction HS+SK	•	0.84	2.1	1	Î	BISHOP BREG VS	•	
Samolaria STRAFTC ZAGARIS	SOROLOUNDERSONALUE ENGLISE AND CONTRACTOR	DMA Nono Greaty	Whovčak HD+VS	•	-2.22	2.68	1		BIZEK QUARRY VS	•	
• • • • • • • • • • • • • • • • • • •	NOTINO DALA	DMA Superior OKAO SELO	Pantovcak HS	•	0.1	9.21	1		BIZEK VS+PS	•	
	DMATTERATIVAN West	Hinancia MRO Koptever	NG Rekovice HS	•	0.09	4.57	1		BOGDANOVIĆ VS.	•	
	DIMA STRUTTCH A THEMP OTHER & SACALITI		Hely Sunday HS	•	0	2.1	1	Î	UREGANA PS	•	
RE-UP STUBLOV ZDENAC HS SUBJOURN	Deta Tinako Tinako Tinako Tinako Internetikaria	HW	Horvatica VS4HS	•	-4.07	10.25	1	8	BREGANA WATER PUMP	•	
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RAKOV POTOK HS-VS BACTR STREAK PS	Bart	Access Service Laceno	DMA Bukovac- Črednjevec	•	45.64	6.93	1	8	BRESTJE HS (HEGEDUŜIĈEVA)	•	
Colgana 📍 Rakar 🖶 a	New Zagreb Wort	- Leafer   @ OpenStreetMap contributors © CAR	DMA Mitolici HS	•	0	8.9	/		OUICK ANSWER	•	
Flow rate by zones [I/s]		в:	DMA Jačkovina		37.69	8.27	/		BUKOVAC VS+PS	•	
			L contoridov put DMA						BEECH CAPTURE	•	
my Minny min	M. Marin man	M Winn min	Lončorićov put- Tetkovec	•	55.94	0.01	1	8	CERJE PS	•	
and mark you part	man have and have have	manan mand m	Dugave	•	41.95	6.22	1		CERJE VS.	•	
m from the	u min ann	Want Jump	Velik vih HS	•	-0.09	8.88	/		CHERRY PSI VS	•	
Ma ma		me my me	DMA Dubec		8.59	4.05	1		CRINEC HS	•	
Ne 10 00 00 Ne 10 12 00 Nei 10 00 00 Nei 10 12 00	Peli 25 00 30 Peli 20 12:00 Peli 21 00:00 Peli 21 12:00 Peli 22:0		HS	•	8.58	11.58	/		NODE_WEDDE	•	
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- Customizable and simple views of KPI's
  - Active/Service/Inactive Meters
  - List of DMA zones and measuring points
- Interactive, alarm color coded, map for a quick overview of the system
- Charts for the most important areas
- Active alarms with event descriptions

### **Assets overview**

Time: 06-02-2025 15:00:0

Service Description: Test control aaremien Pelat

#### Meauremen Pohr

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Easy dashboarding Advanced visualisations

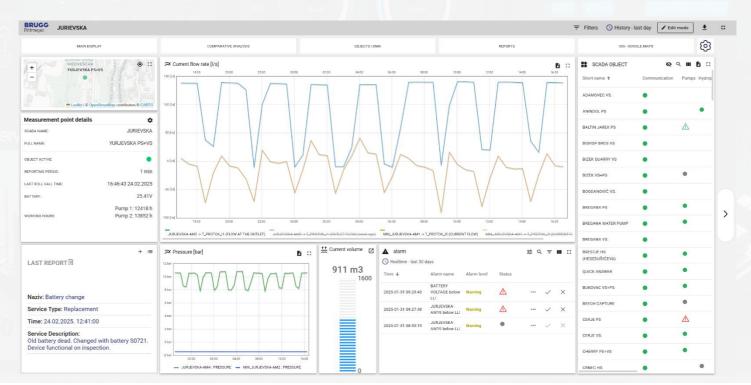


#### Analysis of data from measuring points

- User defined calculations
- Comparison of current and historical data
- Automatic charts updating with new data (without page refresh)
  - Interactive data aggregations (MIN, MAX, AVG, SUM in chosen time window)
- Easy to use data filtering (e.g. show only night flow, peak pressure)
- User customizable dashboards

#### Asset management

- Record maintenance and inspections of equipment
- Detailed supervision of assets in the form of systematic recording of the condition of the equipment according to user-defined parameters (e.g. meter model, inventory number, manufacturer)
- Recording of service intervals and interventions per individual facility (work order, personnel who performed the work, relevant pictures, documentation)
- Alarms for regular maintenance cycles (e.g. primary-secondary pump switch, working hours limits, signalizations)



### Set your alarms

#### 🕢 🐼 🖓

Easy to define, on any measurement, sorted by severity

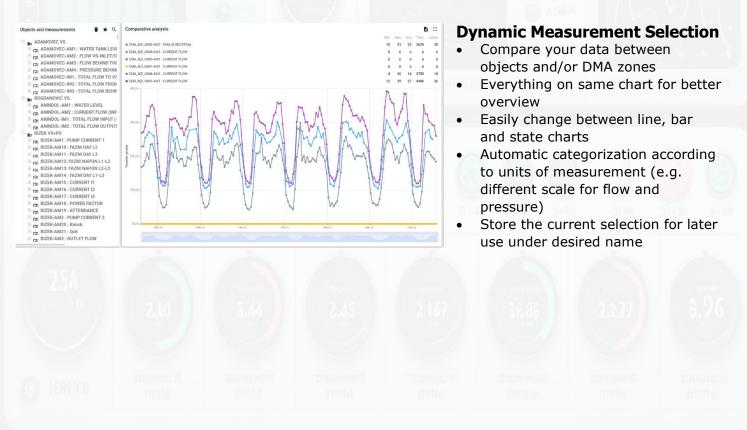
	larms					९ ऱ 💷
	Created time	Originator 1	Туре	Severity	Status	
	2022-11-11 09:43:08	DMA Dubec	Zone inactive (communication lost)	Critical	Active Unacknowledge	a :
	2022-11-10 09:36:55	DMA Dugave	Day flow over limit	Major	Active Unacknowledge	d :
	2022-11-10 09:37:14	DMA Sloboština	Week flow 21% over last week	Indeterminate	Active Unacknowledge	d :
	2022-11-10 09:51:02	DMA Sopot	Pressure peak (7%)	Minor	Active Unacknowledge	1 <b>:</b>
	2022-11-10 09:55:13	DMA Utrina - Travno	Night flow rising	Critical	Active Unacknowledge	d :
	2022-11-10 10:08:30	DMA Zapruđe - Središće	Battery on device MM_32 under 20%	Warning	Active Unacknowledge	a :
	2022-11-10 12:43:08	Novi Zagreb zapad	MM Freedom Bridge is not reporting!	Critical	Active Unacknowledged	1 <b>:</b>
Alarm li	imits: JURJEVSKA					10446 DE
Tag*			Priority alarm*	Border type*	Limit amount.*	Add border
	EVSKA-AM1: RAZINA VODOSPREME		MINOR	equal	true	Add bolder
JURJ			Priority alarm* MINOR	Border type*	Limit amount:* 0	ii ii
Tag*	EVSKA-AM1: RAZINA VODOSPREME					

#### Alarming

- Easy to set alarms
- Limits by exact or relative value (%)Simple in-app alarms (multi-coded:
  - color, shape, text)
    - Remains active until user confirmation
      - Comment and assign to other users
  - Notifications according to userdefined rules through:
    - Platform
    - o Email
    - o SMS
    - Phone call
- Simple parameterization (static and dynamic) of alarm events and process values via a graphical interface (e.g. value exceedance or percentage difference of the same measurement from the last week).

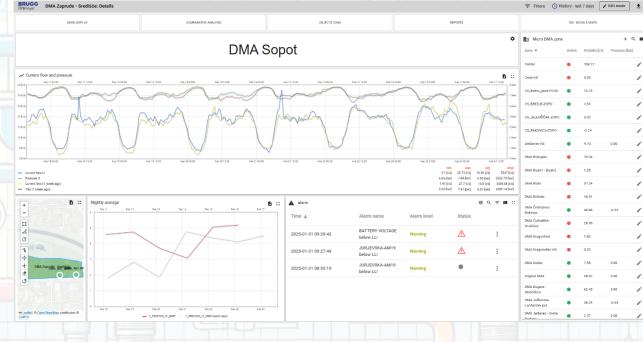
### Data Explorer

Clear and customizable overview of your data.



### **DMA Zones**

Easily merge your measurement points into DMA Zones



#### **Micro and Macro DMA zones**

Consolidate multiple measurement points into a single entity

ica 4/73

- User-defined formulas, easy to change on your own at any time
- Recalculate data for all formulas on a newly created zone or calculation
- Data interpolation for sampling time synchronization of measurements
- Alarms for increased night flow, pressure drop/increase, significant flow changes
- Daily calculation of night flow
- Combine with Macro zones for better overview

### **Excel and PDF reports**

	Liburnijske voo	leas			
Deturn	30.05.2024	31.05.2024	01.06.2024	02:05:2024	03.06.2024
Mjerenje	Minimum	Minimum	Minimum	Minimum	Minimum
VS PERUN - IZLAZ VS GRABROVA	2.52	3.29	3.06	3.26	2.24
VS PERUN- IZLAZ POTOKI	0.04	0.04	0.04	0.04	0.04
RELOKVA MORAGA PROTOK	1.49	1.57	1.68	2	2.39
VS MOSCENICE - ULAZ	0.88	0.29	0.79	0.17	0.29
V5 M05 CENICE - OPSKRBA	1.16	0.14	0.23	0.16	0.24
VS MOSCENICKA DRAGA - IZLAZ OPSKRBA	1.33	0.83	1.49	1.82	1.06
CS/SYLPETAR+ ULAZ IZ MEDVEJE		0	0	0	0
VS BRSEC- IZLAZ MREZA	0.05	0.64	0.05	0.06	0.06
CJEVOVOD MALA UCKA-VS POKLON	-0.16	-0.1	-0.05	-0.25	-0.11
CJEVOVOD VELA UCKA-VS POKLON	-0.06	+1.05	-1.03	-0.58	-0.25
CJEVOVOD VS POKLON - PK SEJNICE ULAZ POK	LON -0.02	-0.14	-0.22	-1.14	-0.01
CJEVOVOD VS PORJON - PK SEJNICE ULAZ REĎ	INA -12.29	-12.42	-1.85	-1.54	-1.24
CJEVOVOD PK SEJNICE - RS PEČNIK	-1.13	-0.44	-0.35	-0.01	-4.94
CJENDVOD RS PEČNIK - VS ORLJAK	-27.23	-27.68	-29.63	-2.6	-0.37
VS ANTICI+ (ZLAZ VCS BUZDONKA	11.73	0.96	12.2	6.88	10.82
VS ANTICI - IZLAZ TRANSPORTNI CJEVOVCE	0.92	0.85	1.27	1.01	1.12
VS ANTICI - IZLAZ OPSKRBNI CJEVOVOD	0.14	0.81	0	0.16	0
VS TULISENCA - IZLAZ OPSKRBA TULISEVICI	A. 0.94	1.22	1.24	0.99	1.14
CLEVOVOD VS TUNEL UČKA - VCS BUZDONKA	41.33	-18.69	-0.78	-2.75	-1.29
VCS BUZDONKA-IZLAZ ZAHEJI	2.25	2.54	2.84	2.59	2.68
VCS LOKVA + IZLAZ LOVRAN 1	3.84	3.93	1.57	3.49	3.61
MM KA+ SMUERIČIĆI	2.17	2.17	1.11	1.86	1



On demand	or b <mark>y s</mark> chedul <mark>e</mark>
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In-app download or email delivery

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page: 10 + 1 - 10 of 28

- Formats:
  - Data tables: CSV, XLS and XLSX
  - Dashboards: PDF, JPEG and PNG
  - Any data from the system can be used in a form of a table or dashboard widgets



**PDF** Example

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### Main RICITY features

### Communication interfaces

- HTTPS
- MQTTS
- CoAP
- OPC-UA
- Plain TCP/UDP

### Rule Chains (backend) features

- Data mapping
- Asset oriented data structure
- Easy to implement business logic
- Custom Excel and PDF reports

### Platform interconnections

- The Things Stack Industries, Loriot
- E+H and Siemens Cloud
- SigFox
- AWS and Azure IoT
- Tuya

### Dashboard perks

- Over 100 different chart types with flexibility of customization
- Mobile friendly
- Large portfolio of geographical maps
- Easy navigation

Velika Gorica

demo-vg@rittnus.eu

RittmeyerIsTheBest1904

• Multi-user role level access with audit logs

## Get firsthand experience from dashboards our customers use

Login URL: ricity.rittnus.eu

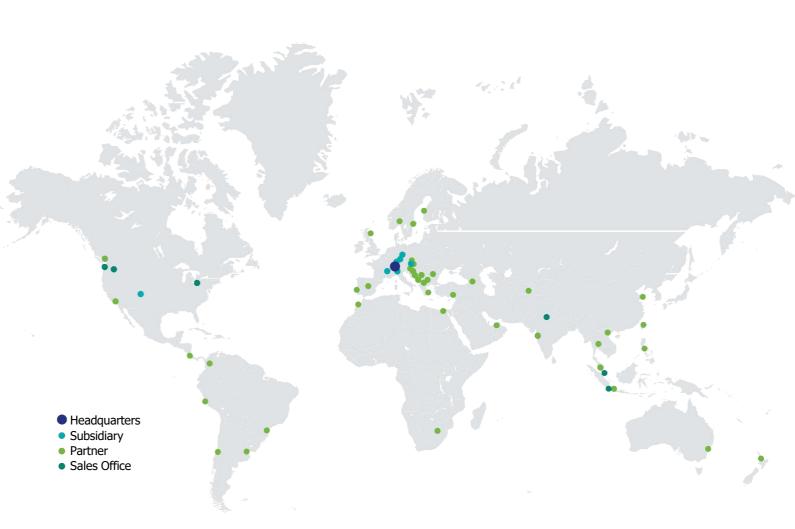
Please note that all dashboards are in language according to customer locality. Translation can be applied for different countries.





Hrvatske Ceste demo-hc@rittnus.eu RittmeyerIsTheBest1904 Novi Vinodolski demo-nv@rittnus.eu RittmeyerIsTheBest1904

### **Contact us today**



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