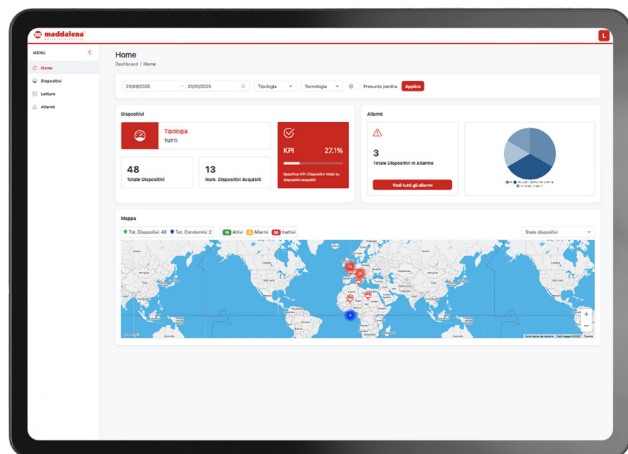


MGRID

Web reading portal



Reading platform for collecting, storing and displaying data gathered from smart meters

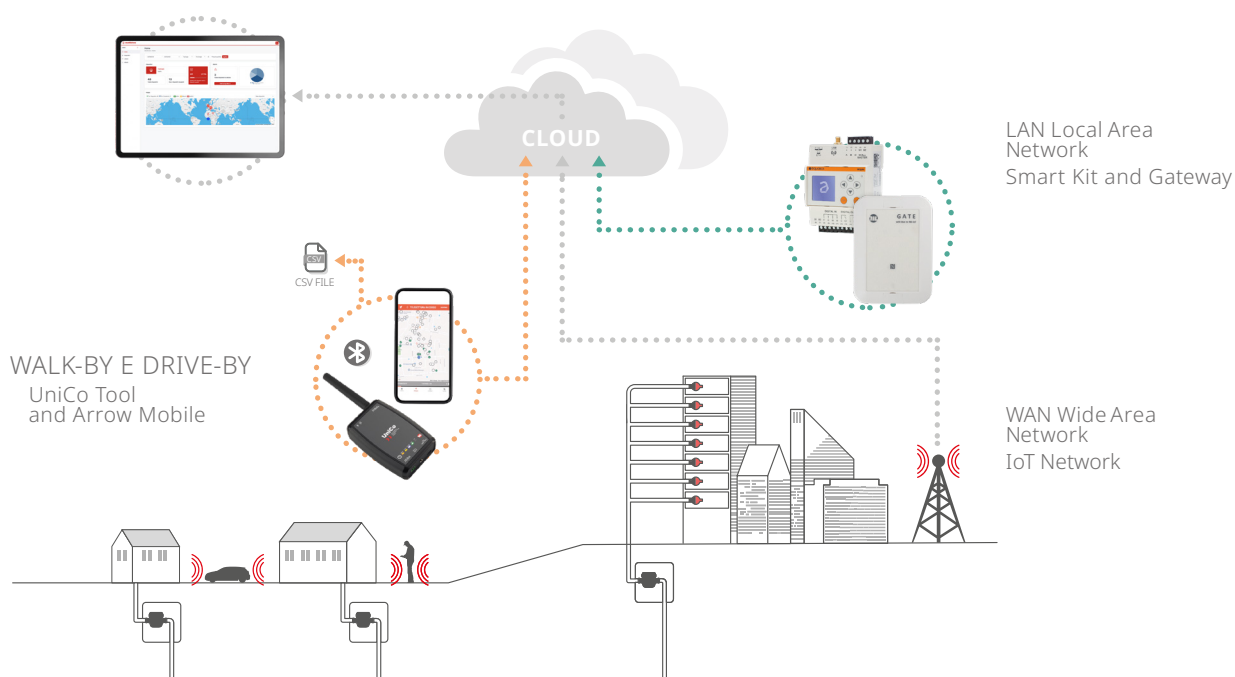
- Web platform accessible from any browser (Chrome, Firefox, Edge, etc.)
- Quick consultation of readings, alarms and many other statistics
- Simple and intuitive dashboard
- Compatible and integrated with the Maddalena Arrow Mobile Android reading app
- Local data export

DESCRIPTION

MGRID is an integrated platform that enables the collection, storage and visualization of data related to water and thermal energy in two main functional areas: Utility and Submetering.

On the Utility side, it provides tools for centralized device management, access to reading and alarm data with export options, configurable alarms, geo-referenced devices and consumption estimation functions.

Regarding Submetering, MGRID enables hierarchical organization by building, sub-building and apartment, and supports energy accounting with tools for balancing and billing.



DATA ACQUISITION

wM-Bus network



LoRaWAN network



NB-IoT network



GATE concentrator





Upload from Arrow Mobile

Mobile reading and manual entry of readings via app for direct upload to the web portal

COMPATIBLE DEVICES

Water meters



Heat meters and heat cost allocators



Radio modules



Gateway



Simplified integration of third-party devices to ensure maximum design flexibility within the platform.

AVAILABLE VIEWS

Utility

- Device visualization and possibility to sort them by POD, model, etc.
- Each device can be geo-referenced and linked to a contract owner
- Management of readings and alarms

ElecTo Sonic NBIOT

Tipologia AFS

23/10/2025 14:35

5.000 m³

Valore ultima lettura

0

Allarmi in corso

0

Totale allarmi dispositivo

Seriale metr. 25000002

POD Appartamento 2

Città Povoletto

Provincia Udine

Diametro DN15

Stabile -

Sottostabile -

Appartamento -

Titolare -

Tecnologia NBIOT

Seriale radio 3424020000255007

DEVEUI -

APPEUI -

APPEKEY -

ICCID8988239001074673204

IMSI -



Tipologia di allarmi

Nessun allarme

Mappa



Submetering

- Display of buildings with the possibility to segment information aggregation on multiple levels (e.g., building, sub-building, apartment, etc.)
- Possibility to define existing smart meters and monitor their readings (from back office)
- Calculation of daily consumption
- Management of devices for water, heat cost allocators, and heat meter readings
- Integration possibility through Gate gateway
- Detailed error management, with the ability to identify each meter within the installation

Tabella Dispositivi

Stato	Seriale metr.	Tipologia	Stabile	Sottostabile	Appartamento	Titolare	Ultima lettura	Valore	Azioni
24037844	AFS	DEMO Building	Building B	AAAA	-	-	03/09/2025 08:01	0.119 m³	
25000007	AFS	DEMO Building	Main building	Apartment 3	-	-	23/10/2025 14:36	43.600 m³	
25000011	AFS	DEMO Building	Main building	Apartment 4	-	-	16/10/2025 09:34	4.260 m³	
25000012	AFS	DEMO Building	Main building	Apartment 2	-	-	16/10/2025 10:34	2.260 m³	
2400000137	AFS	DEMO Building	Main building	Apartment 1	-	-	30/09/2025 09:41	55.951 m³	

Mostra 1-5 di 5 risultati

ElecTo SJ

Tipologia AFS

16/10/2025 09:34

4.260 m³

Valore ultima lettura

0

Allarmi in corso

0

Totale allarmi dispositivo

Seriale metr. 25000011

POD Villa Y - Ingresso AFS

Città Campo Tures

Provincia Bolzano

Diametro DN15

Stabile DEMO Building

Sottostabile Main building

Appartamento Apartment 4

Titolare -

Tecnologia WMBUS

Seriale radio 3424110000255007

DEVEUI -

APPEUI -

APPEKEY -

ICCID

IMSI -



Tipologia di allarmi

Nessun allarme

Mappa





maddalena

METERING EXPERTISE

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Rev 1 11/25 Salvo modifiche tecniche | Immagini a solo scopo dimostrativo: gli elementi possono subire variazioni