MIDOmet
smart metering

Smart Metering Systems
for Energy Resources

Mission

MiDo develops Smart Metering Systems and cloud computing services for the energy management and resources monitoring.

Vision

Innovative solutions for a Smarter Sustainable World.

MiDo is the right choice for the remote reading and monitoring

MiDo offers Smart Metering Systems:
devices and cloud services for energy management and resources monitoring for water, gas, power and heat.
The company meets the needs of utility companies, energy managers, but also of home users.

MiDo's products allow:

- to contain the physical and administrative losses that are costs and lost of earnings;
- to meet the growing need to adopt remote management systems for monitoring and the supply of water and gas heating.

MiDo meets these needs through an innovative range of long-life and low-cost devices, that allow a remarkable recovery of natural and economic resources.

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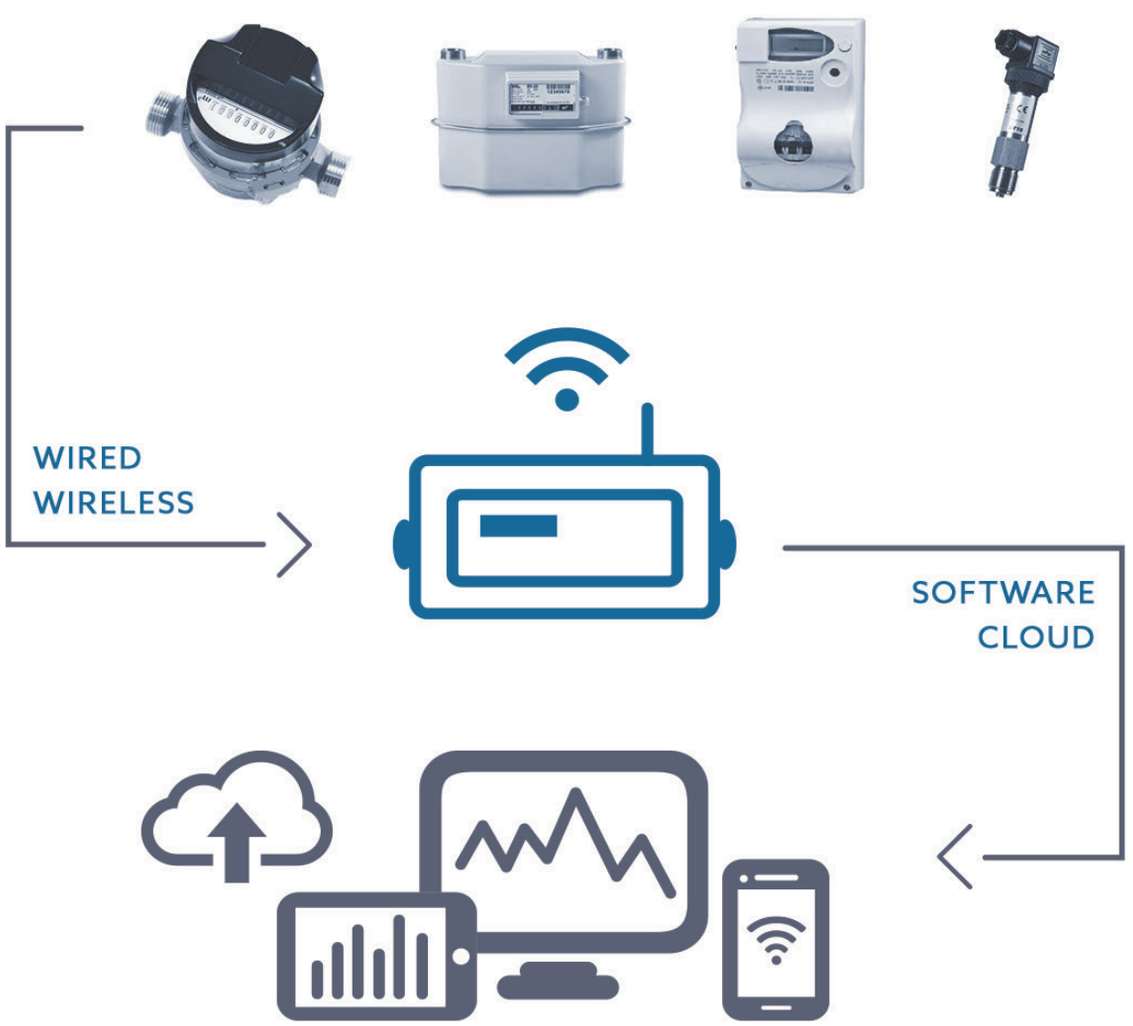
Why trust in MiDo?
Winning features for immediate benefits



Easy to Use

Our products are plug and play, can be easily installed without specialists.

Self Powered

It guarantees a life cycle up to 10 years without the need to connect to the main power, thanks to the use of low-power components and innovative algorithms.

Connectivity

Our solutions include the SIM for connectivity, freeing the customer from the burden to enter into additional contracts.

Complete

Our solutions are complemented by cloud computing service, freeing up the adoption of additional management software.

Tailor Made

Our services are tailored on the needs of our customers.

The secret of savings is
to rely on a quality company
as MiDo

MiDoMet Wired

Wired Data Logger system and GPRS gateway.

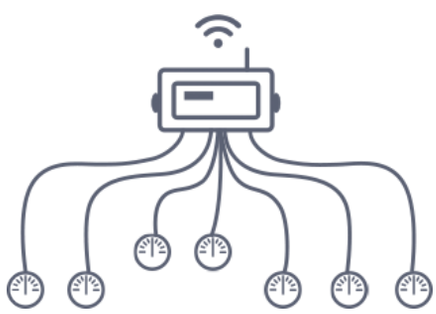
- Receiving data from meters equipped with pulse emitter or from digital sensors
- Sending data via GPRS
- Highly tolerant to hostile environments
- Self powered (up to 10 years of autonomy)

General specifications

Inputs	Up to 12 digital inputs
Processing Unit - Storage	ARM microcontroller - 8 Mbit memories
Supply	Li-SOCL2 3,6V Battery (up to 10 years of autonomy) / 110-240Vca 50-60Hz
Data-transmission module	OEM GSM/GPRS Quad Band Modem
IP Protection	IP 67 / IP 68

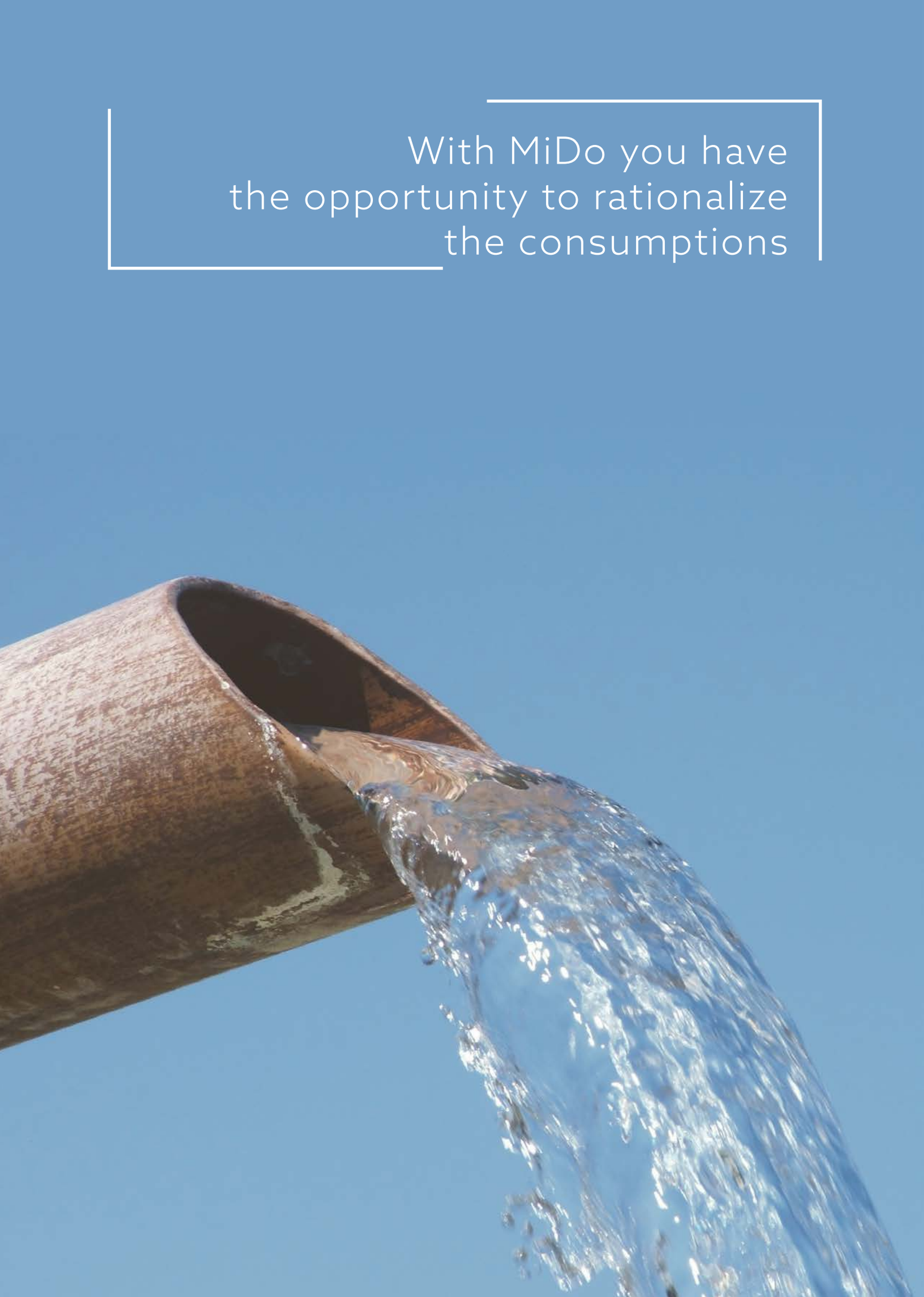
Who is it for

Home use as condominiums with meter collectors.
Industrial use such as: big users such as factories, hospitals, schools.
Also suitable for utility companies, municipalities, and energy distribution company.



Field cases

With MiDo you have
the opportunity to rationalize
the consumptions



MiDoMet Master

Wireless Data Logger via radio Wm-Bus or LoRa modules and GPRS Gateway.

- Receiving data from meters and splitter heat via Wireless M-Bus or LoRaWAN modules (169/433/169 Mhz)
- Sending data via GPRS
- Highly tolerant to hostile environments
- Self powered (up to 5 years of autonomy)

General specifications

Inputs	Up to 100 WM-BUS OMS or LoRaWan radio meters or splitters (programmable for larger quantities)
Processing Unit - Storage	ARM microcontroller - 8 Mbit memories
Supply	Li-SOCL2 3,6V Batt. (up to 10 years of autonomy) / 110-240Vca 50-60Hz
Data-transmission module	OEM GSM/GPRS Quad Band Modem - WM-BUS OMS or LoRa Radio Modem
IP Protection	IP 67 / IP 68

Who is it for

Home use as condominiums.
Industrial use such as resorts, hotels.
Also suitable for utility companies, municipalities, and energy distribution company.

Field cases

"The mind that opens up to a new idea never returns to its original size"

A. Einstein

MiDoMet Pressure

Data Logger system and GPRS gateway for pressure monitoring.

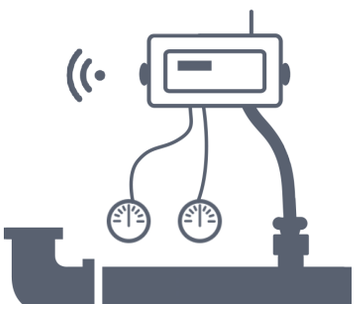
- Up to 4 analog inputs for the pressure transmitter
- Up to 2 digital inputs for counters or sensors
- Sending data via GPRS
- Highly tolerant to hostile environments
- Self powered (up to 5 years of autonomy)

General specifications

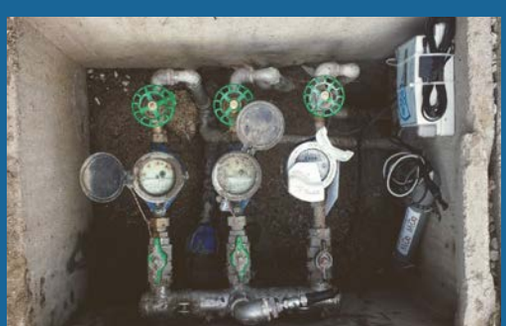
Inputs	Up to 4 analog IN 0-20mA or 0-5V for pressure transmitter + 2 IN digital
Processing Unit - Storage	ARM microcontroller - 8 Mbit memories
Supply	Li-SOCL2 3.6V Batt + Battery pack sized for the sensor / 110-240Vca 50-60Hz
Data-transmission module	OEM GSM/GPRS Quad Band Modem
IP Protection	IP 67 - IP 68

Who is it for

Utility companies, municipalities, mistribution company, as a support for leak detection, and for balancing the pressures, network control.



Field cases



Technology and innovation are the key words of our philosophy

MiDoMet Special

Data Logger system and GPRS gateway for with parametric inputs.

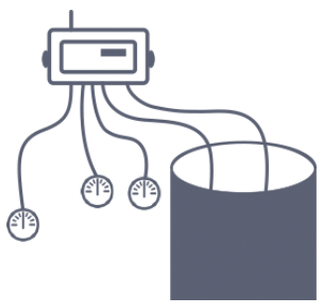
- Up to 4 analog inputs 0-20mA, 0-5V, 0-10V configured according to the sensors
- Up to 8 digital inputs for counters or sensors
- Sending data via GPRS
- Highly tolerant to hostile environments
- Self powered (up to 5 years of autonomy)

General specifications

Inputs	Up to 4 analog IN 0-20mA o 0-5V + 8 digital IN configured according to the project
CPU - Storage	ARM microcontroller - 8 Mbit memories
Supply	Li-SOCL2 3.6V Batt. + Battery pack for the sensor / 110-240Vca 50-60Hz
Data-transmission module	OEM GSM/GPRS Quad Band Modem
IP Protection	IP 67 - IP 68

Who is it for

Tank control: level and water balance.
Sewage and wastewater: water purification plants, special plants landfills: systems with solid counters.
Photovoltaic plants, water vending machine.



Field cases

There isn’t smart city without
smarter sustainable world

MiDoMet Radio Pulse Transmitter

Radio transmitter data of water meters, gas, electricity and heat.

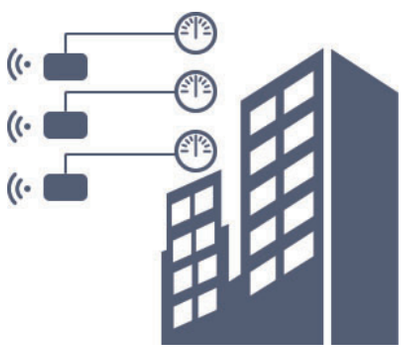
- Wireless M-Bus e LoRaWAN compatibile
- Distance up to 600mt (Wm-Bus) and 10.000mt (LoRaWAN)
- Radio module 169/433/868 Mhz
- Highly tolerant to hostile environments
- IP68 Protection and Self powered (up to 12 years)

General specifications

Inputs	Digitals
Radio module	169/433/868 Mhz (on the customer needs)
Supply	Li-SOCL2 3.6V Battery (up to 12 years of autonomy)
Processing unit	ARM microcontroller
IP Protection	IP 68

Who is it for

It can be plugged to any meter with reed switch sensor, digital switches or Hall effect sensor.



Contact us for more information
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We make objects smart

MiDoMet Repeater

Radio repeater data from MiDoMet modules Radio Pulse Trasmitter, or from any module compatible with the wireless standard M-Bus or LoRaWan.

- Wireless M-Bus e LoRaWAN compatibile
- Distance up to 600mt (Wm-Bus) and 10.000mt (LoRaWAN)
- Radio module 169/433/868 Mhz
- Highly tolerant to hostile environments
- IP68 Protection and Self powered (up to 5 years)

General specifications

Inputs	Any compatible module with the wireless standard M-Bus or LoRaWAN
Radio module	169/433/868 Mhz or LoRa (on the customer needs)
Supply	Li-SOCL2 3.6V Battery (up to 5 years of autonomy) / 110-240Vca 50-60Hz
Processing unit	ARM microcontroller
IP Protection	IP 68

Who is it for

Its purpose is to double the distance reached by the data sent from the transmitters to reach more km.

Contact us for more information
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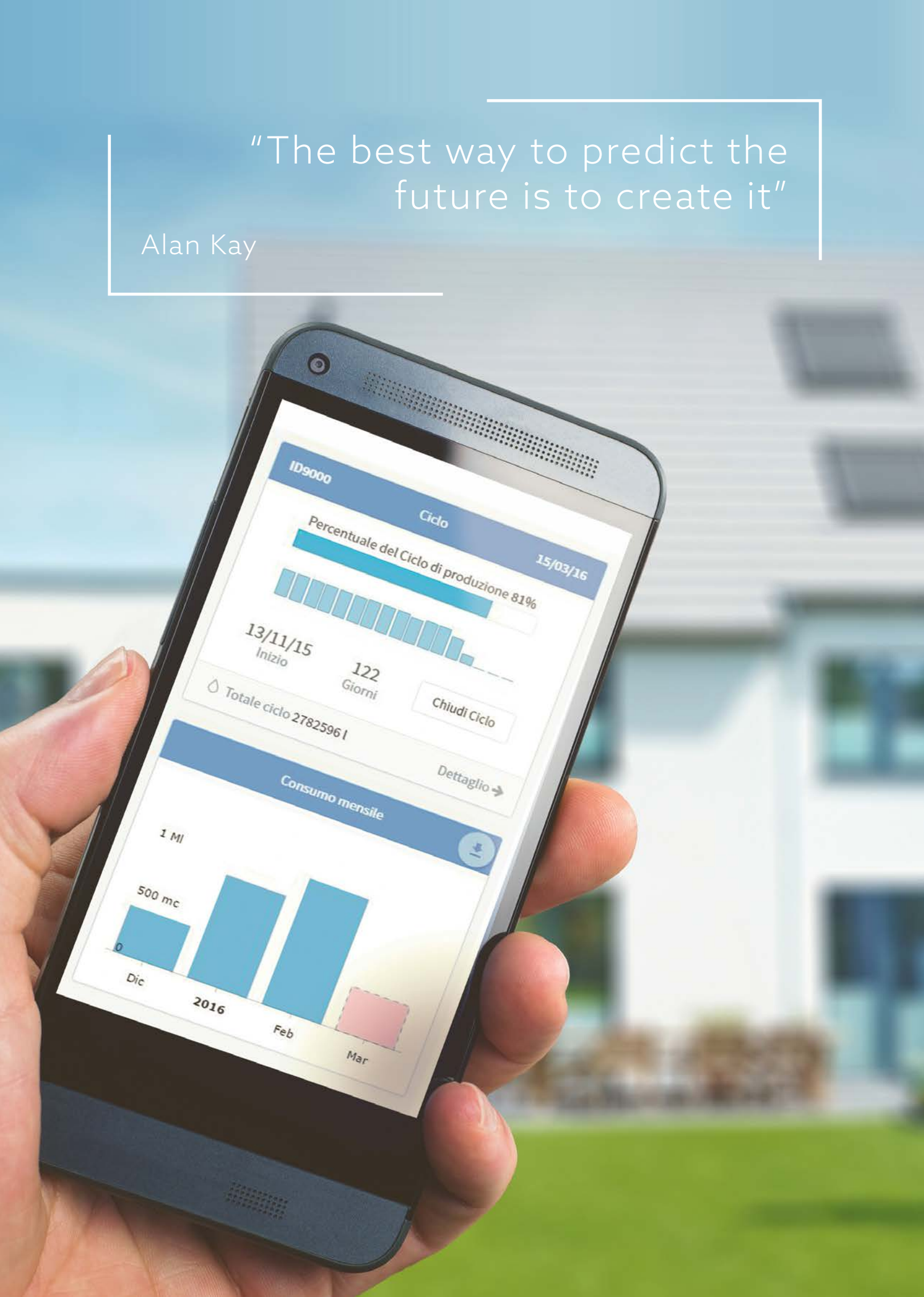
"The best way to predict the future is to create it"

Alan Kay



MiDoMet Soft and Cloud

MiDo complete its offering with customized software solutions on the customers needs, with the goal of providing a complete system for remote monitoring can support management decision.

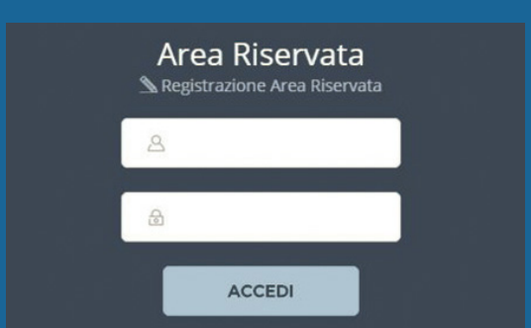
MiDoMet Cloud

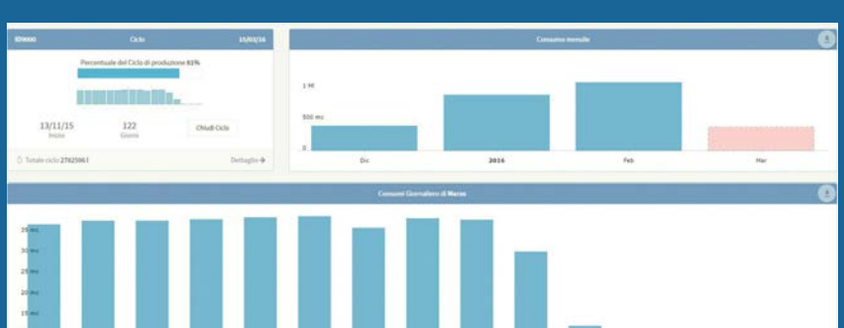
MiDoMet Cloud is the cloud service to manage data coming from MiDoMet devices. Through the system it is possible to monitor consumptions, and to detect of leaks or faults. It's a "multi-level and multi-access" system.
For example:

- the administration uses it for billing of real consumptions,
- the maintainer for the control of the good operation of the installations,
- the user for display of their consumptions.

MiDoMet Soft

MiDo also develops customized solutions for both products and for associated **services**. MiDo can also implement data transmission **protocols** to send data from MiDoMet devices directly to the custumer existing management softwares with the purpose of optimizing the overall investment.





Field cases

MiDo

Note

"Immagination is more important than knowledge... Knowledge is limited. Imagination encircles the World."

A. Einstein

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