



**EUROMAG**  
INTERNATIONAL

*Measure > Sense > Innovate*

**|| COMPANY PROFILE**  
**ENGLISH**



# EXTREMELY RELIABLE, HIGHLY INTELLIGENT.



## \\ TECHNOLOGY & SAFETY MAKE ADVANCES TOGETHER

### MEASURE

Since 1984 Euromag International has operated in the field of fluid measurement. Its production facilities in Mestrino in the Province of Padua in north-east Italy covers 1,200 metres squared, employs 25 people and has been certified ISO9001 since 1997.

Here, every single day, we provide the best solutions with an extremely fine attention to detail in welding, assembly, painting and quality control.

### SENSE

We provide the most advanced high-tech solutions for the measurement of fluids with a great spirit of innovation and consistent attention to our products. In international markets confidence and success are earned day by day with the practical creation of solid, durable and reliable products for every field of application and under any environmental conditions. The challenge is to keep in step with a market in constant evolution, as Euromag does, always listening attentively to our customers and their specific needs.

### INNOVATE

Our R&D department accounts for about 20% of staff and works in synergy with the other departments in search of continual product improvement. At Euromag we are continuously improving our products and ourselves, with feedback on performance from an ongoing dialogue with loyal customers and optimal after-sales. With tenacity, intelligence, timing and a love of precision, the real innovation combines technology and confidence to achieve ever better results.



## \\ MECHANICS AND ELECTRONICS TO FACE EVERY CHALLENGE

The tradition of "Made in Italy" has become a global industrial success story and allows Euromag International to **guarantee consistency in even the most sophisticated products**, thanks to utmost care in all details, both mechanical and electronic, for each and every piece of the range produced.

In the **assembly department** the attention given to **coils and electrodes** really makes a difference, because these two components make up the robust heart of the products, here is the key to reliability and longevity.

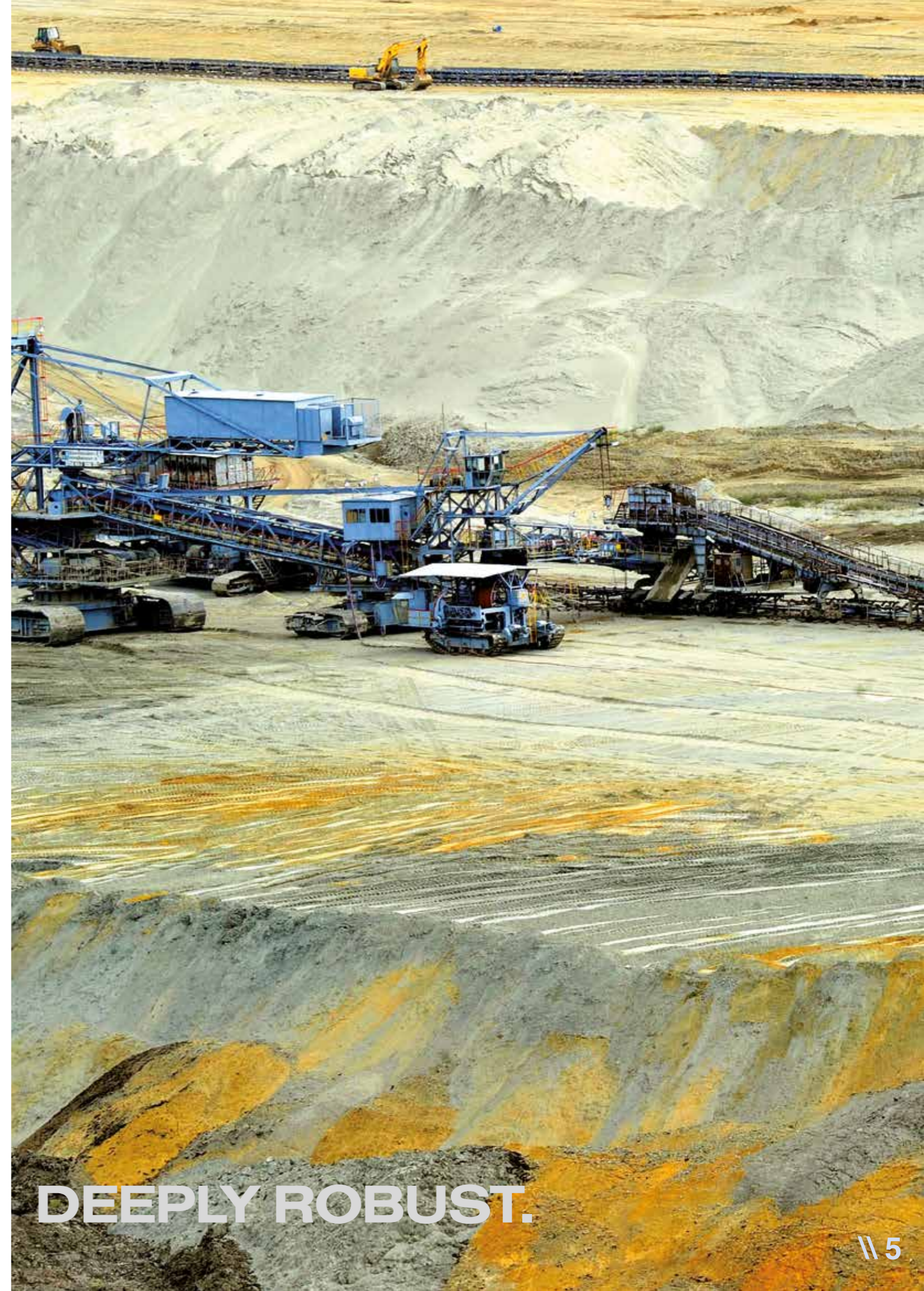
In the **welding department, TIG and MIG techniques**, are integrated for excellent results even at very small diameters, in any position, on any form, on any work-piece. The jewel in the crown is the new fully automatic and high performance **welding machine**.

Another special machine fills all our meters with a two-component resin which ensures **high performance protection for internal components**.

In the **finishing department** each instrument is selected manually to be finished with **precision electronics**. This is why every product that leaves the Euromag factory is an **complete piece in terms of quality and finishing**.



# INTERNALLY STRONG, DEEPLY ROBUST.





## \\ HIGH CAPACITY FLOW-RATES ALWAYS UNDER CONTROL

Today, electromagnetic flowmeters are among the most popular measurement devices and are widely appreciated for their fast response times, accuracy and high reliability. Like all Euromag products, our electromagnetic flowmeters have **high-tech internals** and **resistant externals** in order to be efficient and have a long life-cycle wherever they are installed. An exterior **double layer of epoxy paint** guaranteed by Euromag, **protects all our products from the elements and the environment**, over all terrain and in any weather.

30 years of experience have enabled us to build partnerships with **several international leaders** active in the management of urban **water networks** and to win the trust of prestigious customers in the **mining and industrial sectors**.

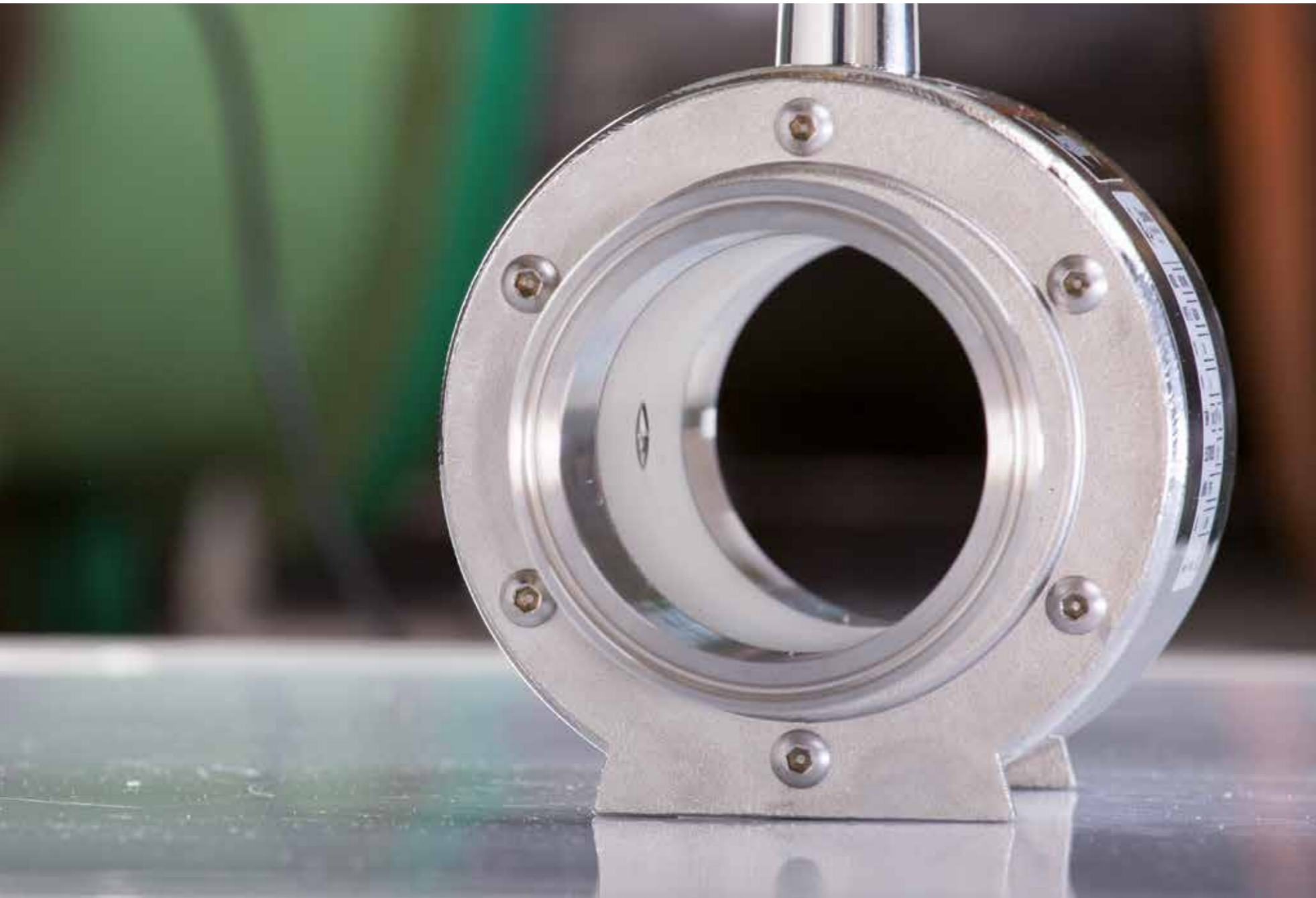
Euromag International has created **instruments ever more reliable and resilient** and has found **innovative solutions for control**. Fundamental in a service as important as the distribution of water and is essential when water flow is the raw material in production process.

**EuromagData.com** is the user-friendly site that offers interactive **remote data reading and management** that is simple, secure and customisable. A EuromagData account allows customers to have all sensors monitored in **24 hours a day from any location** and to check with graphics or numeric data that everything is within optimum parameters. The goal is to immediately limit any anomalies, control costs and ensure efficiency and consistency of flows, to safeguard resources and the environment.

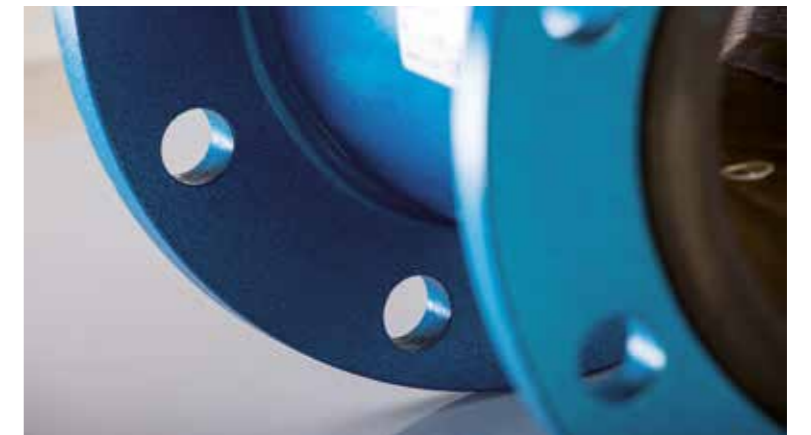
**TESTED FOR THE EXTREME OUTDOOR ENVIRONMENTS.**



# WORLDWIDE INNOVATOR.



## \\ THE CALIBRATION SYSTEM FOR DN 2000 UNIQUE IN EUROPE



The diamond tip of the Euromag International facilities is the **calibration system for DN 2000**, one of the best and most innovative in Europe, able to provide measurement of flows **greater than 5.000 m<sup>3</sup>/h**. Euromag is one of the very few companies in the world to provide this type of equipment.

It is a **fully automated system**, the result of engineering excellence **driven to improve still further**, in search of **ever better calibration techniques and products**.

With innovation, confidence increases in step with more and more important partnerships and projects around the world.



## \\ INSTALLATIONS



MUT2200EL



MUT2200EL - MC608A



MUT2500EL - MC608B



MUT2200EL - ANSI 300 - AISI 316



MUT1100J - MC608B



MUT2500EL - MC608A



MUT1100J - MC608B



MUT2200EL - MC608B



MUT2200EL - MC608A

# DYNAMIC AND MULTITASKING.

## \\ 2 PRODUCT RANGES AND 2 INTEGRABLE ELECTRONIC SERIES: MULTITASKING EFFICIENCY

Euromag International provides **2 highly innovative and extremely reliable product ranges** and **all the optional electronics for integrating with sensors** for more effective and complete control of systems:

### Products:

- Electromagnetic flowmeters
- Ultrasonic flowmeters

### Complementary electronics:

- Data transmission electronics
- Data acquisition electronics

Electronic components of the latest generation respond to the growing need to optimise the role of meters and their installations.

Euromag provides a **complete data acquisition and transmission turnkey package**, for a fully integrated control system of flows and data management, even remotely.





### \\ ELECTROMAGNETIC FLOWMETERS



Electromagnetic flowmeters are used for measuring flows of drinking water, waste water, beverages, fertilisers, chemicals and any other liquid which has an electrical conductivity of at least 5µS/cm.

They are the best solution for the measurement of liquids since they have fast response times and high measurement accuracy without conduit flow obstruction and therefore loss.

Also, since they do not have any moving parts, they are virtually maintenance free.

Euromag electromagnetic flowmeters are ideal for a wide variety of applications (e.g. drinking water, wastewater, fertilizers, etc.) and can meet any customer's needs thanks to the wide range of models.

Wafer, flanged, threaded and insertion models are available from DN 3 to DN 2000 in pressure classes up to ANSI 900.

### \\ DATA TRANSMISSION ELECTRONICS



The Euromag integrated GSM/GPRS wireless system is an innovative, simple, universally compatible and consistently effective method for delivering, monitoring and managing real-time data from anywhere. Instant alerts help to respond to flow anomalies and intervene immediately.

The system is compatible with MC608 A / B / R and MC406 for continuous monitoring in any type of application related to water (e.g. irrigation, distribution, pumping stations).

It is also an excellent solution for monitoring consumption. The flow data, together with pressure and temperature, can be forwarded to any recipient specified by the customer without the need for proprietary or complicated software:

- via SMS (up to 5 different telephone numbers)
- via email, as plain text or with attachment
- via the site [www.euromagdata.com](http://www.euromagdata.com), via private and secure access

Intervals in sending/receiving data and any alerts are customisable (day, week, month) and values are, registered constantly.



### \\ ULTRASONIC FLOWMETERS



The main characteristics of Euromag ES2000 and X100P ultrasonic flowmeters are speed of installation, ease of use and capability of measure liquids that are not conductive.

These products work by transit time principle via two transducers applied to the pipe, which operate alternately as signal emitter and receiver.

The emitted sonic signal is accelerated by the flow in one direction and decelerated by the flow in the other direction. The difference in time the signal takes to cover the set distance is directly proportional to the actual flow-rate.

The three models, ES2000 Wall Mount, ES2000 Hand Held and X100P, together with transducers S1, M1 and L1, cover a very wide variety of applications and can be used on pipes from DN 15 to DN 6000.

### \\ DATA ACQUISITION ELECTRONICS - PRESSURE, TEMPERATURE, THERMAL ENERGY



The data acquisition electronics can also integrate pressure and temperature values, in combination with the use of electromagnetic flowmeters.

In addition it can measure the thermal energy (in calories) exchanged in central heating and cooling systems.







# CONSTANTLY PRODUCTIVE IN ANY FIELD.

## \\ ANYWHERE PRECISION IS NEEDED

The main **fields of application for Euromag International products** are: irrigation, water treatment, water distribution, pumping stations, dams, mines, industry and automotive.

In every field, Euromag **supports customers** with after-sales technical assistance and **integration of the most suitable product ranges and electronic equipment necessary** for the acquisition and transmission of data. We ensure a truly reliable **result of continuity and efficiency**, also from the point of view of costs, in the management of flows.

### IRRIGATION

MUT2200EL, MUT1100J, MUT2100EL  
MC406, MC608R/I

### WATER TREATMENT

MUT2200/2500EL, MUT1000EL, MUT1222  
MC608A/R

### WATER DISTRIBUTION

MUT2200/2500EL, MUT1222  
MC608A, MC406

### PUMPING STATIONS

MUT2200/2500EL, MUT1222, MUT1000EL  
MC608A/P

### DAMS

MUT2200/2500EL | MC608A

### MINING

MUT2200EL, MUT1000EL | MC608A/R, MC406

### INDUSTRY

MUT2400EL, MUT1000EL, MUT500 | MC608A/P

### AUTOMOTIVE

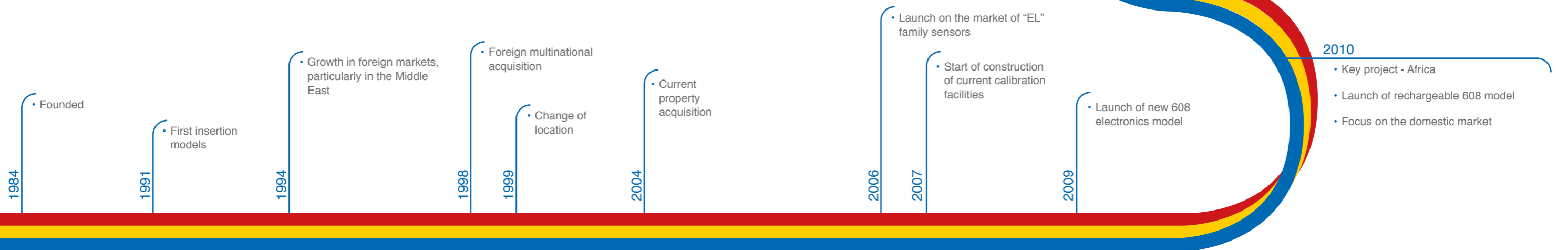
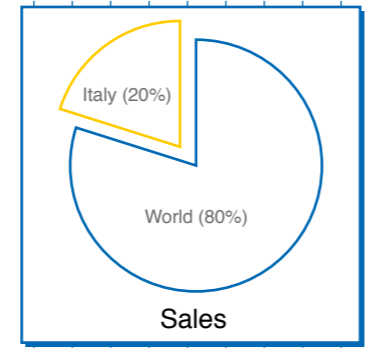
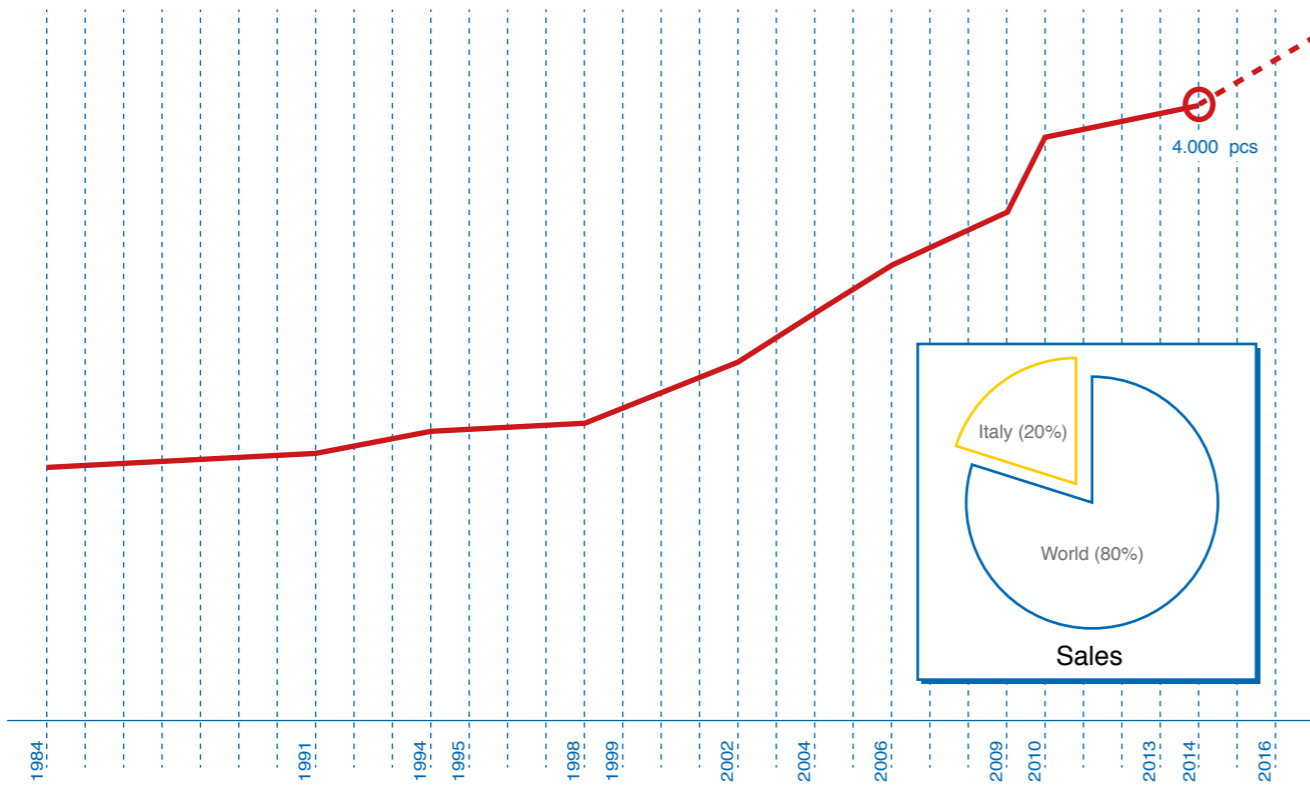
MUT4000 | MC608P





\\ **GROWTH**

Annual production





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INTERNATIONAL

*Measure > Sense > Innovate*



\\ [www.euromag.com](http://www.euromag.com)