

MONITORING

ANALYSIS

DETECTION

LOCATION

## Instrumentation for water distribution management



 **Primayer**

AQUA TECHNOLOGY SOLUTIONS

# Design, development and manufacture of instrumentation for water distribution management

## Network System Monitoring

Reliable data collection and analysis applications such as:

- District, leakage and demand metering
- Hydraulic network modelling
- Reservoir, river and borehole depth
- Pressure surveys
- Waste water monitoring
- Environmental monitoring

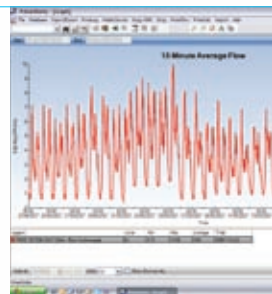
### Local Data Acquisition

Submersible data loggers that connect to many types of sensors. Suitable for a wide variety of applications in monitoring and providing alarms from water networks.



### Flow Monitoring

Insertion flowmeter suitable for use in a variety of temporary or permanent installations.



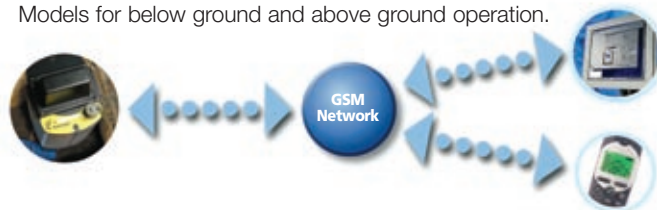
### Meter Reading

Remote automatic meter reading of flow meter index value via SMS messaging. Applications include commercial metering, leakage monitoring or distribution system monitoring.



### Remote Data Acquisition

Data loggers with communication over the mobile communications network (e.g. GSM). Models for below ground and above ground operation.



### Internet Data Delivery

*Delivers hydraulic data and leak alarms via the internet.*

Data is sent from a logger using the mobile communications network (e.g. GSM) to a secure server. This server is backed up with dual redundancy giving the most secure route to get data to any number of PC's; plus alarms via emails or to mobile phones. Features include missing data auto-filling and viewing data on any internet browser giving full access to data anytime, anywhere.



MONITORING

ANALYSIS

DETECTION

LOCATION

## Leakage Control



### Leak Detection - Survey and via SMS

Acoustic logger systems for widespread detection and localisation of network leakage. This technology ensures rapid identification of leaks with unique visual indication. Optionally, at detection of a leak an alarm message is sent via SMS messaging.

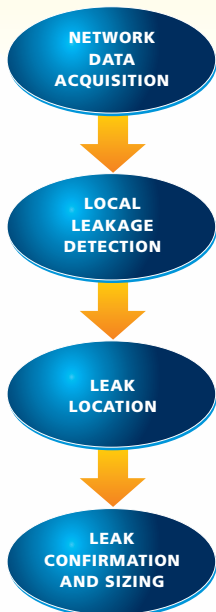


### Leak Location

Definitive tools for routine and specialised leak location. High performance leak noise correlators to pinpoint underground leakage even in difficult conditions, including use on plastic pipes.

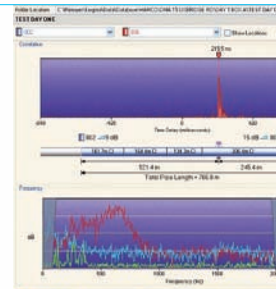


Instrumentation for all operations of the leakage control process:



### Combined Detection and Location

Digital correlating logger incorporates noise logging and correlation into one process. This can have significant advantages operating overnight when unwanted noise is lower and water pressure can be higher aiding leak noise propagation.



### Leak Confirmation and Sizing

Advanced products for digital leak listening and leak sizing via analysis of acoustic energy spectral density. This system prioritises repairs and reduces repair costs.



AQUA TECHNOLOGY SOLUTIONS

**Primayer instruments utilise innovative technologies for use in water networks. They form an integrated approach to system monitoring and leakage control.**

**The company has modern design facilities situated in the heart of Hampshire, United Kingdom. Additional sales and support facilities are located in Kuala Lumpur, Malaysia, and Lyon, France.**

**Primayer offers confidence to the user through:**

#### **Innovation**

- Wide choice of devices to meet both routine, individual and complex applications
- Commitment to future needs of the customer
- Latest technology to ensure optimum efficiency

#### **Quality Assurance**

- Commitment to the highest standards
- Specialist design and engineering facilities
- Low cost of ownership

#### **Customer Support**

- Rapid response after sales service and support for users in the field
- Full training programme according to levels of experience
- Hire stock to service specific projects or supplement existing stocks



#### **Primayer Limited**

Primayer House  
Parklands Business Park  
Denmead, Hampshire PO7 6XP  
United Kingdom

Telephone: +44 (0)23 9225 2228  
Fax: +44 (0)23 9225 2235  
email: sales@primayer.com

#### **Primayer SAS**

Centre d'Affaires BSC  
1 rue Louis Juttet  
69410 Champagne au Mont d'Or  
France

Telephone: +33 (0)4 72 19 10 62  
Fax: +33 (0)4 72 17 70 54  
email: sales@primayer.fr

#### **Primayer Sdn Bhd**

21 - A, Jalan Anggerik Vanilla X31/X  
Kota Kemuning, 40460 Shah Alam  
Selangor Darul Ehsan  
Malaysia

Telephone: +603 51212428  
Fax: +603 51212430  
email: sales@primayer.com.my

[www.primayer.com](http://www.primayer.com)



Certificate GB05/63731



 **Primayer**

AQUA TECHNOLOGY SOLUTIONS