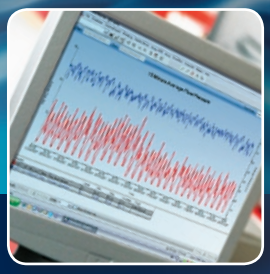
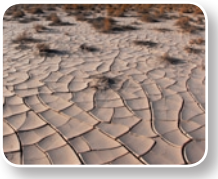
technology for network management and leakage control



Primayer

meeting the challenge

The global increase in the demand for drinking water, coupled with increased urbanisation, an unpredictable climate and environmental concerns form the modern challenge for water supply utilities. It is vital that there are sustainable solutions to these substantive challenges.



Water companies must provide a reliable supply whilst ensuring solutions for future demands. The application of modern technology is essential for optimising the efficiency of water networks.

Primayer, with innovation at its core, is rising to meet this challenge, through;

- network management
- data delivery
- leakage detection
- leak location
- leak confirmation and sizing

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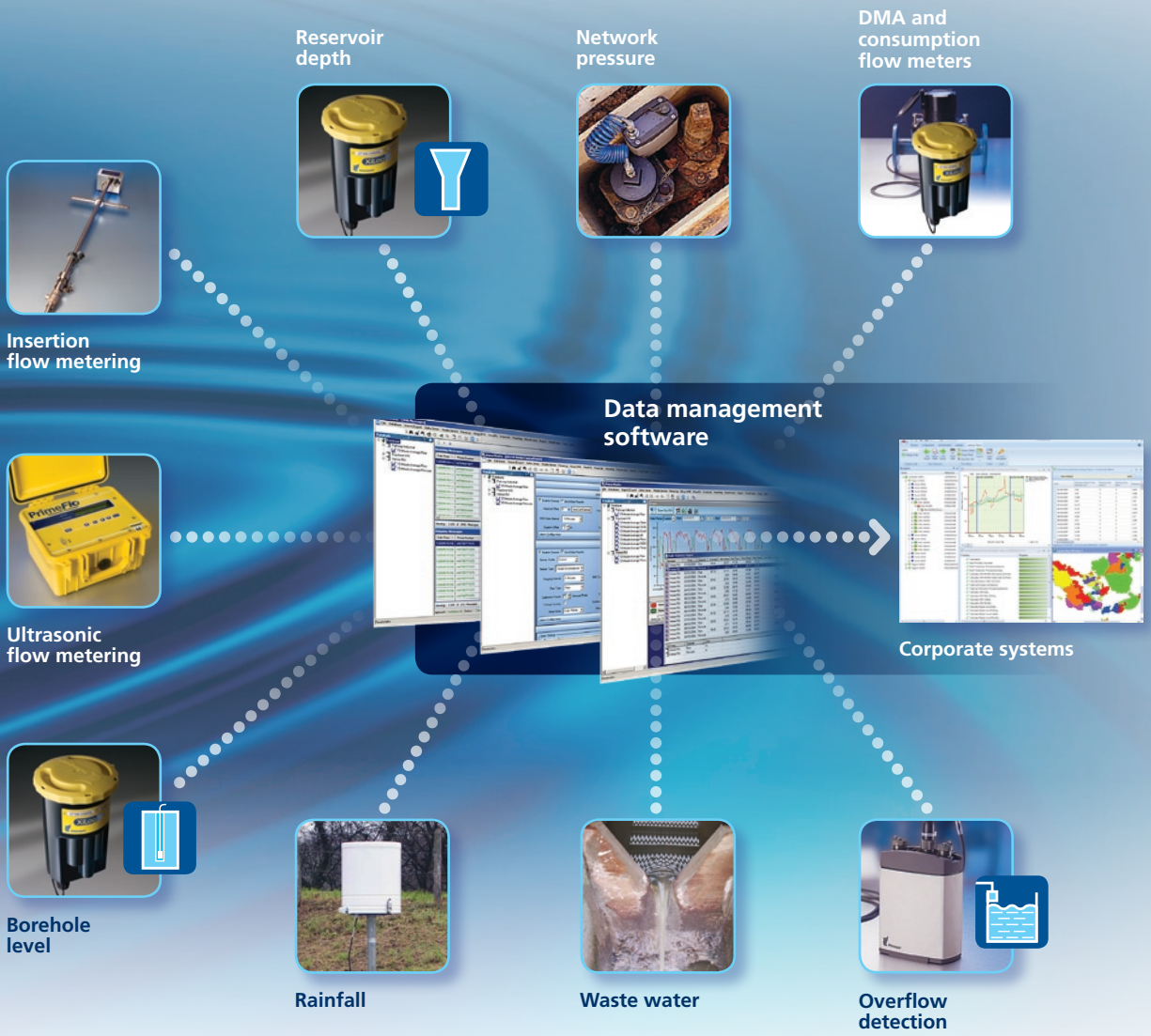
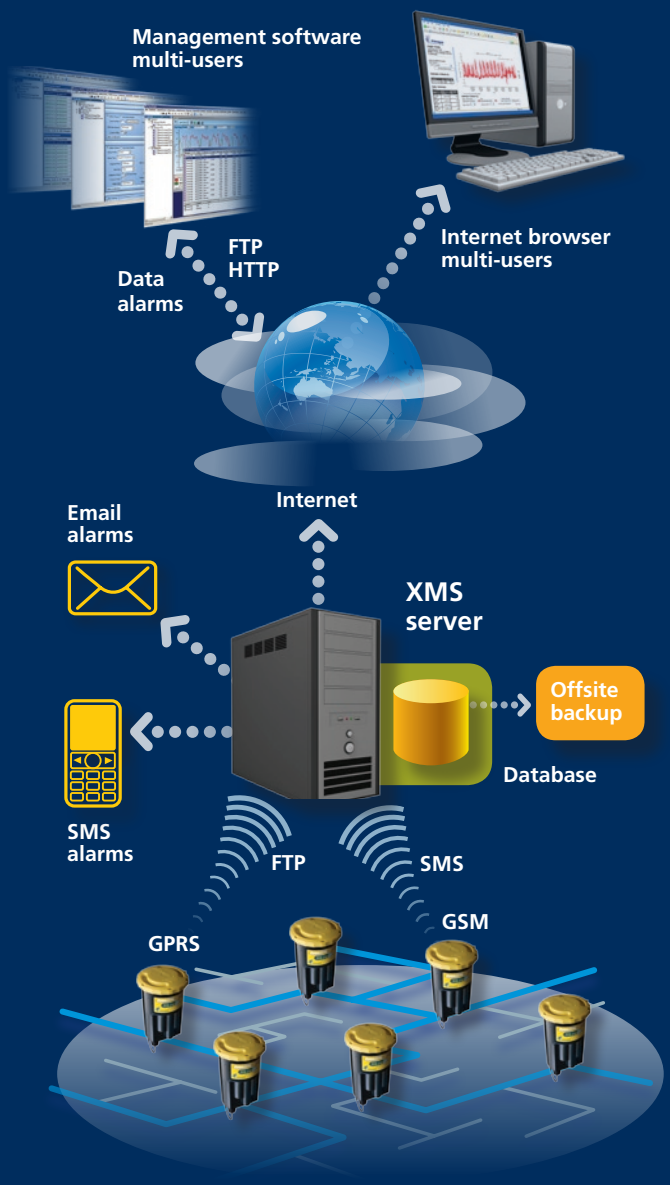
network management

Having reliable, accurate, up-to-date data enables efficient network management. Primayer's range of data loggers are able to record all hydraulic parameters and interface to the majority of industry flowmeters. Loggers report using either SMS, GPRS or local (USB) communications. Data is processed using sophisticated data management software which is also available for LAN/WAN operation and interfacing to corporate software systems.



data delivery

Network data may be delivered to the water company or end-user via a secure server or a web interface. This provides a managed service with data available anytime, anywhere. Alarms may be sent to mobile phones or to an engineers' computer.



leak location

Seeing the invisible

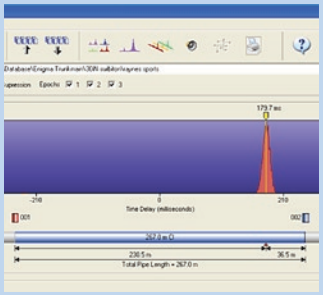
Technology for the three stages of the leak location process.

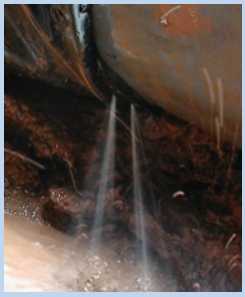
Detect

Primayer acoustic logger systems are for widespread network deployment. They are fitted at access points, such as valves or hydrants, and provide rapid identification of the presence of leaks by overnight monitoring of acoustic noise. Loggers are available for manual surveys (often termed 'lift and shift') or for permanent monitoring to provide leak alarms via SMS and AMR technologies.

Locate

A range of high performance radio based leak noise correlators are available. Multi-point digital correlating loggers incorporate noise logging and correlation into one process. These operate overnight when optimum leak noise propagation occurs and give significant advantages. Optimised technologies are available for location in large diameter mains and plastic pipes.





Confirm

Technology for acoustic listening on the pipe and ground surface. This confirmation provides complete confidence in accurate leak position thus reducing excavation and repair work. Leak sizing analyses the acoustic spectral density to prioritise repairs and give potential further reduction in repair costs.

Pipe location

To carry out leak location the exact position of pipes must be known. The position of metallic pipes is found using an instrument detecting the electro-magnetic fields around the pipe.

innovation

Technology

Primayer instruments utilise innovative technologies to form an integrated approach to water system management. We offer a wide choice of products to meet both routine and complex applications. Our commitment is to the future needs of our customers.

Design and manufacture

Primayer has a proactive design team which continually pioneers new products and systems maintaining Primayer as a leading provider of technology for the water industry.

Our manufacturing facility adheres to the highest standards of best practice at all stages of the manufacturing and quality control process.

• United Kingdom • France • Malaysia • India

Global presence

Primayer has modern design and manufacturing facilities in the United Kingdom plus additional sales and support facilities located in France, Malaysia and India. We also have distributors in over 40 countries worldwide employing highly experienced personnel.

Rental

A comprehensive range of instrumentation is available which has been carefully chosen to offer leakage and network management engineers the best technology for projects ranging from short term investigations through to ongoing efficiency and customer services initiatives.

Quality assurance

We are committed to the highest standards with accreditation to ISO 9001 Quality Management System and ISO 14001 for an effective Environmental Management System. This is an investment for the long term benefit of our business and our customers.

After sales

Our Customer Support team provides a rapid support and advice service for all our customers. Repair and calibration services are available at each Primayer office and also from a number of Service Centres situated around the world.

A variety of training programmes are available to assist engineers and practitioners. The training courses can be 'tailor-made' to suit the individual needs.

Environmental

Primayer's core business is to facilitate the reduction of wastage and to increase the provision of water, a vital resource for life. Our environmental credentials are fundamental to our success and that of our customers.

Taking every opportunity to have a positive impact on the environment is becoming more and more important, and this is influencing the way that our customers and partners approach a particular project.

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