



# Meter Data Collection Systems

# Actaris, the global leader in metering technologies

*Actaris is a subsidiary of Itron Inc., a leading technology provider to the global energy and water industries. Itron Inc. operates as Actaris outside of North America and Itron in North America. Our company is the world's leading provider of metering, data collection and software solutions, with nearly 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.*

## Itron Inc. key figures

**8,500** employees

2007 revenue: **\$1.46** billion  
(since the acquisition by Itron in April 2007)

**70** sites in **38** countries  
over the **5** continents

Sales in more than **130**  
countries to more than  
**8,000** utilities

In the past years, the conservation of our natural resources has been moving dramatically up government leaders' agendas. Investment in energy efficiency has also become more attractive as energy prices continue to grow.

With 125 years experience providing the highest quality and most accurate measurement systems, Actaris is a trusted partner that helps electricity, gas and water utilities to manage and distribute resources more effectively.



## A complementary product portfolio

Actaris' extensive metering products and systems range perfectly complements Itron's industry-leading AMR/AMI and software systems expertise. By combining both portfolios, global market presence and industry leadership, Actaris is well positioned to deliver broader value and a higher level of service to customers worldwide.

## A firm commitment to Quality

The quest for total quality is our priority. Our longstanding company-wide TQM (Total Quality Management) programme is the foundation for all Actaris employees' commitment to deliver top quality service in their day-to-day operations. In each country, Actaris teams provide professional advice, technical assistance and support to ensure optimal customer satisfaction.

## A single partner at every level of the value chain

As part of the Itron group, Actaris will contribute at all levels of the value chain. From data creation and collection to data management and utilization through AMR/AMI technology, Actaris is

building flexible solutions so that utilities and their customers can be actively involved in their water and energy consumption. Together Itron and Actaris are turning data into knowledge.



Electricity meters



Gas meters



Water meters



Heat meters

**Create**



EasyRoute  
Manual / Wireless  
Mobile Reading



EverBlu  
Wireless Fixed Network



M-Bus Read  
Wired Fixed Network



WaterMind  
GSM Key Account Supervision

**Collect**



Itron Enterprise Edition  
Meter Data Management



Itron Enterprise Edition  
Customer Care

**Manage**



Revenue Protection Suite



Energy Forecasting



Distribution Asset Analysis

**Utilize**

# EverBlu

## Wireless fixed network system

EverBlu is more than just an Automatic Meter Reading system. It opens the way for a wide range of applications in the fields of water conservation, customer relationship management, distribution asset optimization, and demand-side management.

Actaris offers a wireless mesh point-to-multipoint communication system adapted to all kinds of urban and suburban environments. It is suitable for multi-energy applications involving water, gas and heat metering.

Advanced wireless meter modules create accurate data. The system automatically collects these data and is designed with automatic node path reconfiguration to achieve maximum reliability. Hence providing water and energy providers with comprehensive valuable information.



### Key Features

- Reliable data transmission with automatic node path reconfiguration
- 2-way communication for automatic or on-demand data transmission
- Creation of comprehensive and granular data
- Simple configuration and operation

#### Short range communication



Water meter



Gas meter



Heat meter

#### Long range wireless mesh network



EverBlu Collectors



#### GPRS communication



EverBlu Access Point



EverBlu Host Software

# EasyRoute

## Manual / Wireless mobile reading system

When it comes to optimizing the reading of both residential and C&I meter types in urban, suburban or rural areas, Mobile systems offer a reliable and economic solution.

Data integrity, total system cost and collection of advanced data are the decisive factors Actaris has taken into account.

Actaris provides a complete range of equipment - from an integrated radio module up to a turnkey solution including route software and hand held terminals.

EasyRoute 2-way mobile meter reading system by radio frequency is a high-performance response to the market's needs. It is suitable for multi-energy applications involving water, gas and heat metering.



### Key Features

- Simple operation
- Collection of advanced data such as detection of leakages and backflows
- Flexible and customizable solution

#### Manual reading or Radio communication



Water meter



Gas meter



Heat meter



Hand-held terminal with integrated radio and EasyRoute Mobile Software



EasyRoute Host Software

# WaterMind

## GSM key-account supervision system

Because key accounts consume a large part of the total water production, a dedicated system is required to supervise them in real-time. Actaris offers an advanced yet simple way to obtain the data that helps water providers protect their revenue and manage water more intelligently while encouraging key accounts to be wiser about its use.

WaterMind provides innovative functions to monitor meter performance and water consumption using creation of advanced data from the meter point and SMS/GSM-based data transmission.



### Key Features

- Consumption patterns and load profiles at a glance
- Meter performance evaluation
- Enhanced reporting functionalities
- Real-time alerts directly on mobile phones of field operators

#### Advanced pulse and pressure connections



Water meter



#### SMS/GSM communication



WaterMind Analyser



WaterMind Supervision software



Alert messages

# M-Bus Read

## Wired Fixed Network System

M-Bus, specified in a European norm, has become the system of choice when building small scale wired fixed network systems for all meter types (water, gas, heat and electricity).

Used by utilities as well as service companies, Actaris M-Bus Read system offers the best of M-Bus standard with an user-friendly interface.

It provides access to the advanced data collected from Actaris meters. Alternatively, M-Bus Read allows reading of M-Bus compatible meters from any vendor.



### Key Features

- Multi-energy and multi-vendor solution
- Economical yet reliable system
- True open standard communication

#### Wire M-Bus communication



Water meter



Gas meter



Heat meter



Electricity meter

#### GSM / PSTN / RS232 communication



M-Bus converter



M-Bus Read Host software