



Itron



Mobile Data Collection

Mobile Data Collection solution and advanced management of metering data



Ittron offers an advanced mobile data collection and management solution which gives water companies a real opportunity to optimise their operations and develop new customer services. New functionalities based on geolocation and Cloud technology make this solution a genuine innovation accessible to every water company.

STRENGTHS:

- » Fast vehicle-based meter reading (Drive-By)
- » Meter reading by an operator on foot (Walk- By)
- » Geolocation
- » Data storage, management and access via the Cloud
- » Real-time meter reading
- » Local photography capability
- » Multi-platform



PREPARATION FOR METER READINGS MADE SIMPLER BY THE USE OF GEOLOCATION

In the mobile data collection solution, each meter is localised by integrating its GPS coordinates into the system, on the basis of geographical data. Tasks are then easily assigned according to the locations of meter readers in the field.

FACILITATING, AUTOMATING AND SPEEDING UP THE METER READING PROCESS

The mobile data collection application is compatible with all Android-based mobile devices (V 4.4 or higher). Whether using smartphones or tablets, meter readers can choose from a wide range of devices on which to run the application. Preparing for the meter reading process by means of GPS coordinates allows the application to be used in "Drive-By" mode, which speeds up meter readings and allows their frequency to be increased. Additional information, such as photographs, can add details to events observed in the field.

The meter reading activity is also optimised by transmitting data via the 3G/4G network or a Wifi link, which enables the operator to send data without having to wait for a physical connection between his terminal and a computer.

Coupled with the high performance of Cyble radio modules, fast mobile meter reading offers an economical alternative to fixed network infrastructures, since it allows operational data to be recorded, managed and analysed efficiently and frequently.



Meter geolocation system

ENSURING THE SECURITY AND ACCESSIBILITY OF DATA STORAGE

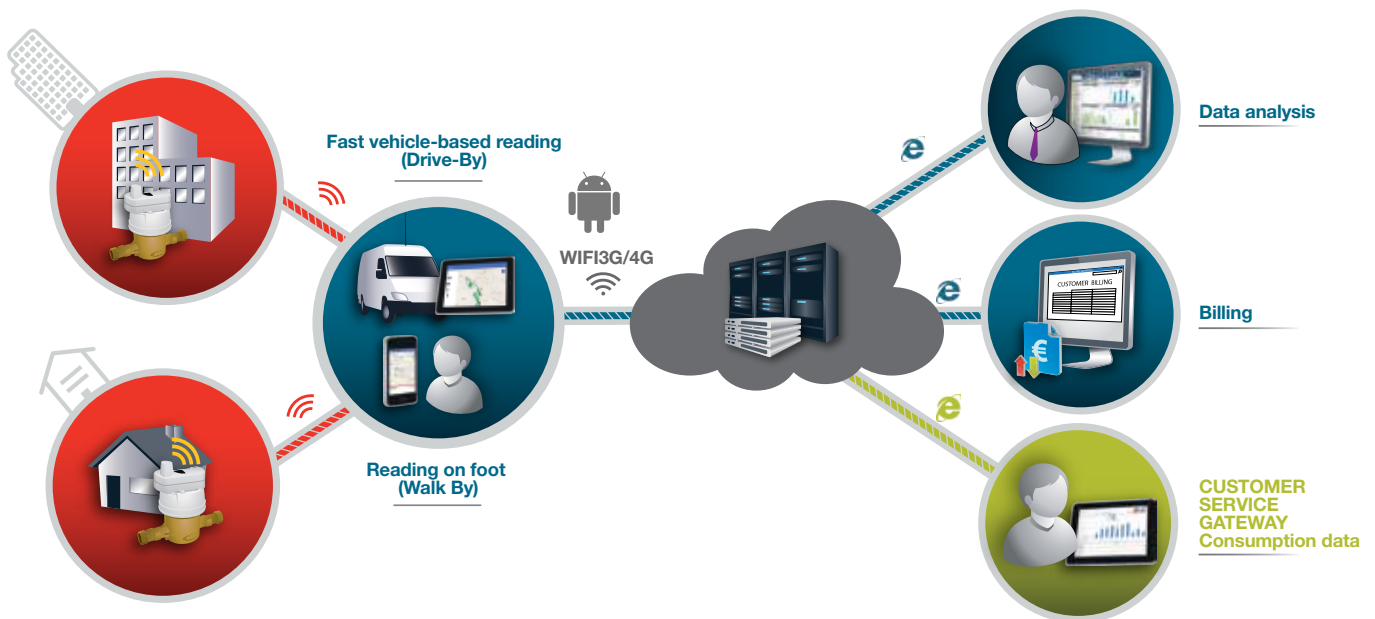
All the data processed in the mobile collection application are held on Itron servers which meet the ISO 27001 information security standard. Water companies therefore access their data in a secure and immediate manner on a dedicated web platform and can configure as many user profiles as there are departments. Each user thus has optimised access to the data which concern them specifically.



FACILITATING INVOICING

All data linked to invoicing are automatically sent by the application to the invoicing software. The regularity and comprehensiveness of the recorded data ensure the optimisation and security of invoicing cycles.

DATA FLOWS



DEVELOPING NEW SERVICES



The Itron mobile data collection system allows the processing of advanced data relating both to the mode of reading and to communication performance, as well as different consumption alarms, such as leakage warnings. These data, which are available on-line when a meter is read, allow the rapid initiation of investigations with subscribers.

The company also has the advantage of a web gateway function which gives customers on-line access to their consumption data.



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