



- *Prepayment Water Meters*
- *Split Metering*
- *Industrial Metering*
- *Bulk Metering*
- *Communal Stand-pipes*
- *AMR/AMM/M2M Metering*



**T**agMeter Systems proudly presents a revolutionary, one-of-a-kind prepayment system for water and electricity.

We offer a complete system besides our water meters and energy meters and we are able to implement custom made or tailor-made systems.

Our meters, both water and electricity, can be equipped with AMM (Automatic Meter Management) which is an expansion on AMR (Automatic Meter Reading). From a remote site we can control the meters and open or close the valve or switch and upgrade the credits/balance of the meter using M2M solutions. Look at our Products page and find out the huge benefits of our system.

The AMM module operates

using SMS/GPRS communication.

Due to high volume production we can offer the AMR meters with SMS/GPRS for the same price as competitors do without AMR.

We are convinced that our meter is the most intelligent meter with proven references and with a short Return on Investment Time.

Via an internet site water or energy can be bought and paid, using the standard methods of payment by internet. The bank confirms the transaction by informing a Gateway System, which will send an appropriate SMS to the meter of the customer. The intelligent meter will translate the SMS into an update of purchased credits.

## OUR PRODUCTS

- **Prepayment Water Meters** for domestic, household, yard or residential use. Types: Qn 1.5 and Qn 2.5 class B
- **Prepayment Electricity Meters** 1-phase and 3-phase
- **Split Meters** where meter and remote electronics are communicating by means of wires or even wireless using Radio Frequency communication
- **AMR Metering** (Automatic Meter Reading) using GSM/GPRS/SMS communication
- **AMM Metering** (Automatic Meter Management): controls your meter like upgrading credits or balance, Open and/or Close integrated Valve (water meters) or switch (electricity meters), On demand AMR, etc.
- **Industrial or Bulk meters** up to Qn 100
- **Communal Dispensers or Standpipes** both above ground level and frost-proof below ground level
- **Tailor-made metering** procedures

## P REPAYMENT WATER METERS

Our Standard Prepayment Meters have the following benefits/performances:

- Proven references;
- True digital counter mechanism, not derived from mechanical counter constructions;
- Easy implementation;
- Contact less RFID-Transponder technology using Tags, results in much less service and maintenance
- Very, very accurate. Measuring over 100 pulses a litre resulting in a resolution of 0.01 litre and accuracy of 0.05 litre;
- Easy to operate also for untrained and unskilled people;
- Build in fraud detection of strong external applied electromagnetic fields, opening the meter, and optional bypass. Attempt of fraud is recorded onto the Tag and will be detected at the office;
- Battery powered. Lifespan battery five years at least. Where an external power supply is used, the battery operates as a backup battery. Another option is to make use of our hydro-generator;
- Individual tariffs, block tariffs and free water

possibilities are implemented;

- A powerful PC-based system creates effective water and cashflow management tools for a Water Board or Municipality
- Return on Investment in a relative short period of time;
- High volume production results in low cost prices of the meter and spare parts.





## T AGS

Our meters are equipped with passive RFID-Tags and do not have any buttons. The Tag transfers data from the extensive and flexible Management System to the meter and visa versa.

We make use of several types of Tags:

- **UserTags**; These Tags are used by the customer. Credits or balance, total counter and status of the meter are stored onto this type of Tag including an individual tariff if needed. The UserTags can be used in a disposable or a rechargeable way or manner.

- **ServiceTags**: for maintenance purposes, to read out or set parameters of the meter, used by the Service Department, you need special Tags.

# TagMeter® Systems



## S PLIT METERING AMR/AMM/M2M

In situations where meter and electronics need to be separated, or in cases where the meter needs to be read out from a remote site using AMR (Automatic Meter Reading), AMM (Automatic Meter Management) and/or M2M (Machine to Machine) solutions, we can provide our Intelligent Metering Concept.

The Intelligent Metering concept consists of a standard prepayment meter equipped with a GSM/GPRS modem. Benefits as follows:

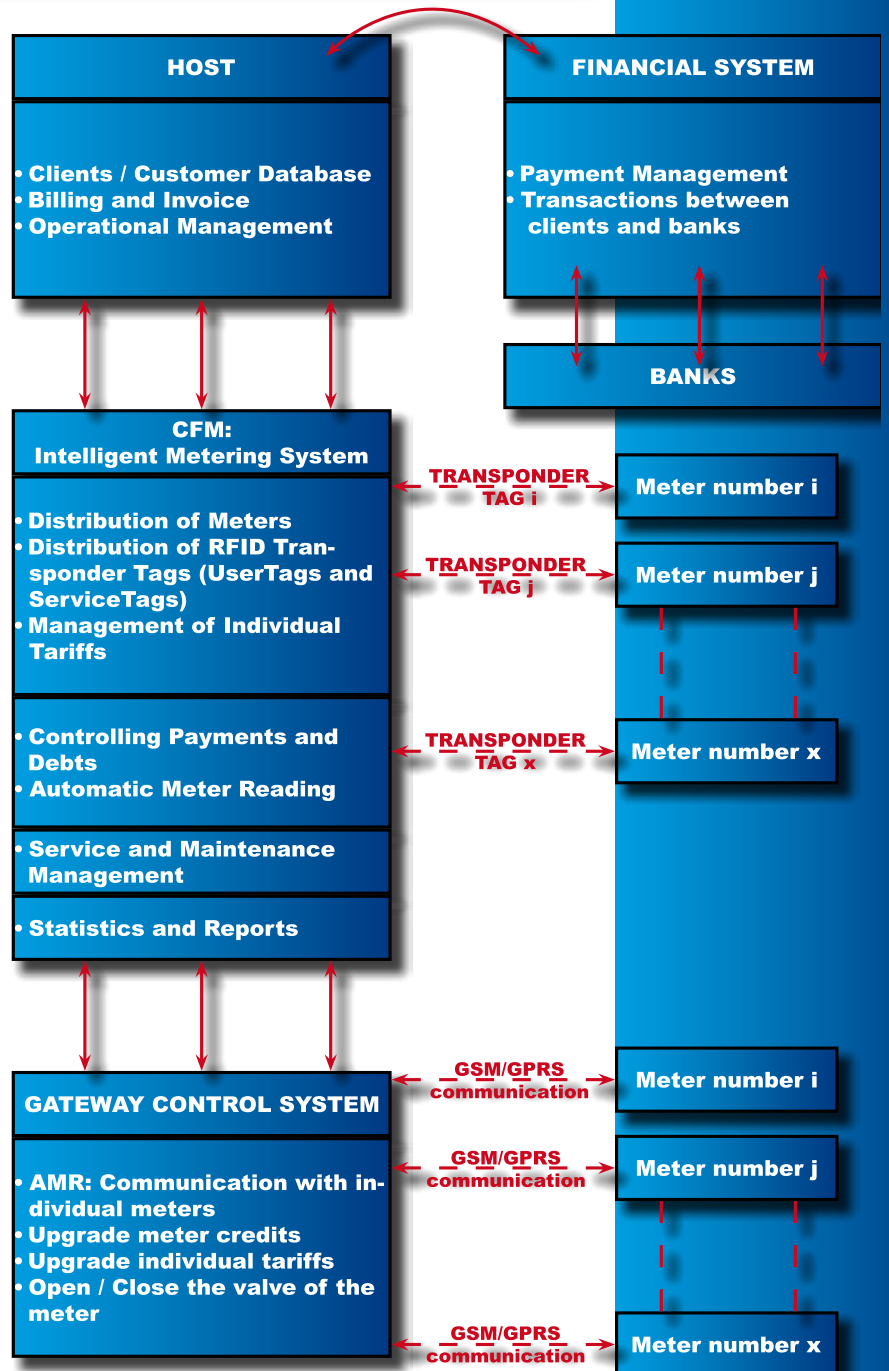
- No need for human meter readers, read out a meter on demand using our Management Software or your corporate website
- Control your meter. Open or close the integrated valve, upgrade the balance or credits in the meter, set or reset total counter of the meter or put the meter into ServiceMode.



The electronics of the meter and the meter itself are connected by a cable. Cutting or damaging the cable does close the valve. The meter is put into Tamper mode and an appropriate SMS message is sent to the Gateway. The meter is locked and only ServiceTags can put the meter out of this status.

**NEW:** Now also a wireless connection between meter and electronics is available, using IEEE802.15.4 protocol.

The GSM based system is powered by means of mains power supply. The integrated battery pack operates like a backup battery so if a mains power failure occurs, the battery backup will supply the power for about 80 days.



## COMMUNAL STANDPIPES/DISPENSERS

In areas without the infrastructure for domestic, yard or household meters, we can provide INOX tamper proof standpipes. Several households in a definable area can make use of a single standpipe.



We also provide frost-proof below ground level standpipes, an ideal solution for market places, fairgrounds and marinas.

## INDUSTRIAL AND BULK METERING

When large amounts of water are needed, a bulk meter or an industrial meter is needed. We provide meters, valves and electronics to control the meters.

In general, power supply or mains supply is available when using these kind of meters. Remote metering or AMR/AMM/M2M is becoming more and more common. The electronics have a battery backup to insure proper operation when power fails. A SMS message could be sent to the host in this case.

**TagMeter**<sup>®</sup>  
Systems



## CONTACT DETAILS

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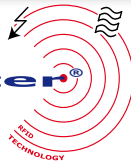
TagMeter Systems is a fast growing consortium with worldwide several production plants, local assembly plants, representatives, agents and partners worldwide. This is the way to guarantee that our products, sales, after-sales and commitment are secured at high standards.

Our proven references may confirm this.

Our own software departments are willing and able to implement tailor-made solutions and products.

Before installing a system we provide training and workshops to make sure that the product wanted is implemented the way you want.

**TagMeter**<sup>®</sup>  
Systems



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