



WaterSign and Metering

Watersign technology can be used for submetering, a term used for multi users complex, each is equipped with its water meter for internal purposes, while the whole complex is charged by the central –main water meter(s) at the entrance – a perfect example will be university dormitory, Shopping malls etc'- the water supplier charges the owner for the total consumption and the owner charges the users using a meter at the inlet of every user. Those meters are not necessarily comply with the standard and often can be more economical than the meters that comply to local standards. Typical installation will include an approved meter (complies with standards), at the inlet to the property, smaller non approved meters and an automatic metering system using radio transmission – Submetering is estimated as 12%-15% of the total metering sales in the USA.

Although these systems are a bit cheaper than systems using approved meters, it is still an expensive system that needs radio transmission, repeaters, batteries and maintenance.

Watersign technology can overcome these by offering a marker at each inlet and using the water as medium to transfer the information (water consumption) this is a much more economical and simple system and it has a major advantage that these markers will alert in case of leakage, burst etc.

Another application is using the Watersign technology for monitoring non potable water- in case these water will enter a potable water zone- the system will detect, alert and can shut down the main valve.

The system can also monitor leakage in domestic and commercial complexes installed after the water meter of the house and send alert to the owner or the manager of the property.

In short – using Watersign technology can offer many advantages and at a very economical cost