

Installing Flow Meters in Asia

The water we know nowadays is becoming a non-renewable resource.

The loss of this precious resource, a global common asset, worries all of us, even those regions in that until not so long ago had an abundance of water: losses are due to drought, pollution, but also because of incorrect, inefficient, or aged and obsolete distribution networks.

The R&D department of ISOIL INDUSTRIA, always attentive to the issue of water, developed in 2006 **FLOWIZ™**, the first battery powered electromagnetic flow meter in the world equipped with the GPRS wireless communication protocol.

"It is a unique product of its kind - says Giorgio Magni, Export Sales Manager of Isoil Industria - precisely because it can also be installed in inaccessible areas where power supply is not available, and in the most extreme weather conditions."

This ISOIL's flagship product was recently presented in its latest version, introducing numerous improvements and new features.

"The work of our researchers was to collect the 'voice of the customer' and put in place their suggestions. Flowiz™, now, is not limited as in the past to send data but is able to receive email for upgrade, troubleshooting or to adjust the set-up of the device."

The Case of Asia

ISOIL INDUSTRIA has been working for a few years with a major Water Authority in Manila, Philippines, supplying equipment and services for the control and reduction of water losses.

Through the development of the project, which involved the subdivision of the distribution network into districts, hundreds of ISOIL FLOWIZ™ flow meters, mainly DN 100-250, have been installed with provision for the measurement of volumes, flow rates and pressures.

The meters installed permit the transfer of the captured data to a server over the Internet using dedicated software installed and managed through our local partner.

The project is currently being expanded with the extension of monitoring to other city districts and with the installation of additional FLOWIZ™ meters, the latest version.

The project has enabled the Water Authority to significantly reduce water losses compared to the previous situation. Replacing old design meters, mainly mechanical, granted greater precision of the measure, as well as steady and fast data acquisition, rapid analysis and subsequent identification of the problems allowing a timely fashion resolution.

This has allowed the Water Authority to recover some 15% on non-revenue water volumes delivered.