

# CG APPLICATIONS

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<b>Application Note:</b>	<b>May 2010</b>
<b>Market involved :</b>	<b>Water Treatment</b>
<b>Product :</b>	<b>WM40-96</b>
<b>Customer :</b>	<b>Aqueduct department</b>
<b>Subject :</b>	<b>Pump plant monitoring system</b>

## CUSTOMER ISSUE :

A system integrator dealing with a local "AD" Aqueduct Department has got the job to integrate six aqueduct pumping stations into a remote control system.

There is therefore the need to keep the main electrical parameters under control, but also to have historical data available to trace any problem by analysing trends so to understand over-current protection trips or other fault conditions.

## OUR SOLUTION:

WM40-96 a Modular Smart Power Quality Analyzer "WM40.AV5.3.H", which can be equipped with a specific module "MF.I6.R4" capable to manage local real and virtual alarms and with an additional module "MC.ETH.M" capable with its event logging and variable data stamping to built-up the plant history, transmitting via Ethernet the available data to the control room SCADA system.

## ACHIEVED BENEFITS:

WM40-96 provides one powerful integrated cost-effective solution which is a combination of a metering system and a PLC, being able to manage alarms with combined logic.

Seeing as modules, it means the basic unit, the I/O unit with integrated OR/AND alarm logic and the communication port with integrated memory.

The local memory provides a secure data management because in case of communication failure between meter and SCADA, there is no DB loss, being WM40-96 able, independently, to monitor, control and built-up the working story.

