

## Smart Assets Optimization for Utilities SCADA/DCS

AGM announced the completion of phase-2 of the Smart SCADA/DCS upgrade project.

Under the terms of the project, AGM installed its unique economical improvement solution for the operational efficiencies of SCADA/DCS systems for the Jordan Valley Water Authority 75 pumping stations (some of them with 33 years old equipment).

AGM's solution aimed to enhance redundancy/resilience/security performances, providing substantial upgrade for the distributed SCADA/DCS system network.

The solution design and implementation does not interfere with existing control centre operations and keep workers training and equipment value.

Based on AGM's original R-Win development, major upgrade benefits gained, are:

- Utilities assets optimization
- Lengthening the useful life of utilities assets
- Streamlining operations
- Optimizing capital planning
- System performance improvement
- Providing high levels of customer service
- Higher level of data and communication security (ISA Secure compatible)
- System redundancy and resilience, wireless MESH features, integration of RF & Cellular incoming data
- Management of local, sub-system control processes without involving the control center, no "polling" needed by R-Win's smarter data management
- Economical, gradual upgrade process using off-the-shelf local components

AGM developed an add-on element, original smart communication manager unit to be installed at the remote field stations, empowering the distributed system, making each station smarter having the revolutionary impact like the PC revolution did to the "dumb terminals" organizational environment.

This solution is in commercial sites operation since 2011 yielding excellent results, valid to water, wastewater, oil & gas, energy utilities and environment telemetry.



### Case story

<http://www.agm.co.il/documents/case-story-0712.pdf>

[5 pages - pdf file]

### Gideon Sela

Projects Manager  
+972-54-428-4221  
agm@agm.co.il  
www.agm.co.il

# R-Win is a smart tool for SCADA / DCS performance upgrade by better management of wireless networking

