AGM

Line of Business
Asset Optimization & Integration, Distributed Control Networking

Established
1996

Leading Executives
Gideon Sela
CEO

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Marketing Director

Smart Asset Optimization for Distributed Control Networks

AGM is offering its knowledge and solutions in wireless communications and control, and 33 years of experience in **economical optimization**, **retrofit and upgrading** projects for SCADA/DCS networks for **Water/Wastewater**, Energy, **Oil & Gas**, Industrial applications, Environmental telemetry, Power Sub-stations, Mining and Irrigation.
Using COTS (Commercial Off The Shelf) products and retaining existing investment in equipment and worker training enables AGM to offer smart, economical upgrade and optimization solutions in line with evolving technologies and changing business requirements.

AGM's Solutions Serve

- Oil and water pumping stations' automation
- Pipeline monitoring and low-cost cathodic protection monitoring over main pipelines
- Asset optimization and integrity management of water/oil distributed controll systems (DCS)
- Integrated Preventive Maintenance application as stand-alone or integrated solution

To offer better solutions, AGM has developed an add-on element: an original communication management unit to be installed at the remote field stations between the PLC and the communication transceiver (RF and/or cellular or other), empowering the distributed system, making each station smarter and having the dramatic impact the PC revolution had on the "dumb terminals" organizational environment in the 1980s.
This original product, called **R-Win**, enables smart, gradual and economical SCADA/DCS network optimization and upgrading.

Client benefits from **AGM's asset optimization solutions, the R-Win way**, include:

a) Communication resilience by lateral communication (MESH). Each remote pumping or monitoring station is able to carry out two-way, real-time communication with neighboring stations and the control center. Each station can serve as a wireless network router (bridge, S&F).
Each site (oil/water pumping station, oil rig, piping hub, etc.) can have both cellular and RF communication, dual SIM networks and remote configuration.
b) All stations can initiate communication; control center polling is not needed; local/regional autonomous control processes are a standard option.

c) Implementation of modern, high level data security.
d) Existing system equipment and applications, at SCADA center and remote stations, stay in place.
e) Internet access capability is an option for all stations under security limitations. Your server is the network manager; there is no need for third-party service except for your cellular communication provider.
f) Integration with Preventive Maintenance applications.

- Client upgrade case story includes a link to R-Win technical review
- Distributed control network, the R-Win system architecture drawing
- GE Letter of Recommendation

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