



With 30 years experience and a diverse list of clients, AGM offer solutions in the areas of:






**Water/Waste-water (ww), Energy, Oil & Gas, Industry, Environment & Irrigation.**

Based in Israel, world innovator in water management technologies, AGM are leaders in Distributed Control Networking.

**Clients' benefits include:**

- Control complex systems
- Minimize deployment cycles
- Tailored solutions to suite each unique project, approaching from application requirements & organization's environment
- Hand in Hand, every step of the way. Provide subsystem upgrades or turnkey projects - from initial specification through to system commissioning
- Help with operations & management processes
- Lower ownership costs
- Retain investment in training & equipment
- Best-in-Class technologies
- Field proven solutions

**AGM Solutions for Selected Applications**

<p><b>Water &amp; WW</b></p>  <p>SCADA/DCS projects        Flood alerts        Water resources sharing management        Usage Billing</p>	<p><b>Oil &amp; Gas</b></p>  <p>Marine &amp; overland oil spill detectors        Pumping stations monitoring &amp; control</p>	<p><b>Energy</b></p>  <p>Power systems and PV farm monitoring &amp; control</p>	<p><b>Environment</b></p>  <p>Telemetry        Monitoring and control applications</p>	<p><b>Irrigation</b></p>  <p>Farm &amp; greenhouse irrigation management</p>
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**AGM is proud of its involvement in the following projects and fields:**

### **Water & Oil Pipelines: Network Monitoring & Control**

The intricate pipelines needed for water and oil transport require high quality monitoring and control with real-time response capabilities. AGM offers its knowledge in expansion and upgrading projects using COTS (Commercial-Off-The-Shelf) products, to retain existing investment in equipment and training, in-line with evolving technology and business requirements.



### **Water & Waste-Water: The Jordan Valley Project**

Established in 1978, The Jordan Valley Water Association (JVWA) is a unique cooperative that produces and manages water and waste-water services. It manages the availability and quality of all water products, from pumping stations on the shore of the Sea of Galilee, to the last irrigation drip and most remote home.

**JVWA services include:**



- Supply of Drinking Water
- Supply of Irrigation Water
- Waste-Water Management
- Water and Waste-Water Billing
- Water Management Solution Development
- User Training & Maintenance



Due to the growing needs and the continuous drying out of water resources in the Middle East, JVWA is now involved in crucial water management and development projects, such as:

<b>Project</b>	<b>Main Benefit</b>
Waste-Water Treatment	70% of Waste-Water reused in irrigation
Desalination of Secondary Water Resources	A new unused resource
Water Resource Sharing with Jordan	Peaceful relations between the nations
Development of Water Management Systems	Better prepared for future water conditions
Differential Tariff Billing System	ROI within 4 years of the total upgrade project

**JVWA has outsourced its communication & control responsibilities to AGM since 1996.**

### **Onshore & Offshore Oil Spill Detectors**

AGM's Oil Leaks Monitoring Systems are compact, wireless sensors that detect the presence and monitor the buildup of hydrocarbons. The systems are designed for installation onshore and offshore and transmit alerts to relevant addresses. Petroleum and power companies have installed the system in sumps for early detection, and for alert & control of oil leaks and spills from:



- Above-ground oil storage tanks
- Transformer sumps & remote power distribution substations
- Oil/water separators
- Water cooling systems and trenches
- Waste-water sewerage systems

**Rivers, lakes & streams at risk of oil spill damage greatly benefit from this advanced technology.**

### **Processing Plants Monitoring & Control**

A SCADA/DCS system provides tools to effectively manage the operations of oil and chemical processing plants and oil fields in real-time. Waste-Water plants, desalination and filtration plants, tank farms and Turbine-PV fields have similar communication & control characteristics making AGM the natural choice for companies seeking expertise in real-time communication and control solutions.



AGM uses most communication media including cellular-to-Internet and sensor grids with a leading position in Real-Time RF solutions.