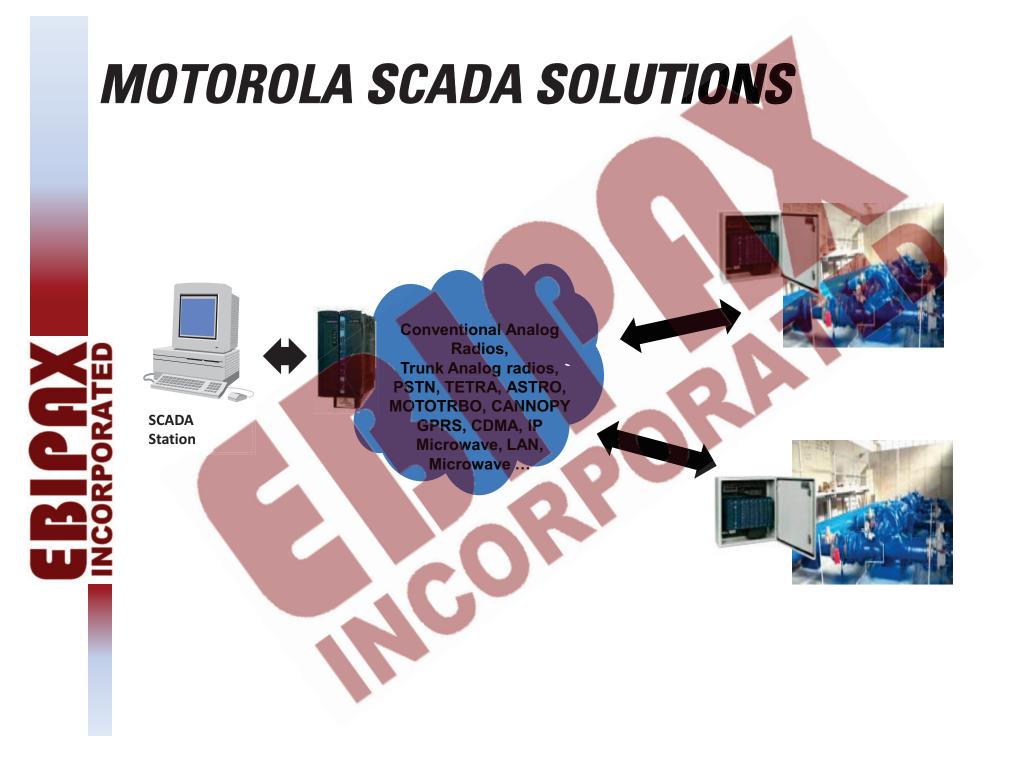
WATER MANAGEMENT SOLUTIONS ACE1000 & ACE3600 RTU SOLUTIONS



support@ebipax.com



SCADA COMPONENTS

- Control Centers
 - Motorola offering supports all major Control Centers
- Data Gateway
 - Motorola DG Provides connectivity between the Control center & Communication system

Communication System

 Motorola SCADA offering supports all communications media and networks but its not limited to Motorola radio systems. Motorola SCADA supports Public and Private communication networks as well.

Remote Terminal Units (RTUs)

 Motorola RTU supports all communications media and networks and extensive set of industrial and "smart" sensors

Sensors

 Provide connectivity to various processes such as Oil & Gas, Electricity and water management elements such as pumps, valves, power analyzers, environmental IO and more.

SCADA MAIN APPLICATIONS

- Oil and Gas Pipelines
- Electricity Distribution
- Municipal Water, Waste Water
- Public Safety and Security
- Early Flood Warning
- Irrigation, Water Distribution
- Communication Monitoring
- Transportation
- Environmental Monitoring

WATER CONTROL MANAGEMENT APPLICATION

PORA PORA



BASIC WATER SCADA APPLICATIONS

- More Reliable Water Supply
 - Optimal level of water in reservoirs
 - Optimized pressure helps minimize losses
- Smartly operating the pumps
 - Automatic selection of booster pumps
 - Based on their efficiency, and rate of pumping
 - Short pump operation during high tariffs
- Reducing Cost of Maintenance
 - Eliminating excessive pressures
 - Minimizing new bursts in pipes

WATER SCADA OPERATION

- SCADA allows monitoring of levels and flows:
 - Timely updating reservoir filling rate process
 - Minimizing the cost of electricity consumption
 - Reservoir levels and flow monitoring
 - Detecting unusual conditions
 - Calculates "In/Out" water quantities and balance
- Control on Pumps Operation
 - On-Off Control/ Fail Reporting / Number of Starts
 - Run Time / Flow Rate / Pressure
 - Maintain desired water level, pressure etc.

WATER SCADA OPERATION

- SCADA optimizes pipe pressure
 - Results in lower losses via difficult to identify leakages
 - Stable pressure helps saving water by end-users
- SCADA reacts in real time:
 - Eliminates/reduces water losses
 - Activation of Pressure Reduction Valves (PRV)
 - Detects the location of bursts
 - Allows isolating of damaged sections
 - Minimizes creation of new pipe bursts

ENHANCED SCADA FUNCTIONS

- Dynamic Pressure Control
 - Helps to optimizing and reduce UFO (WHAT IS UFO???)
- Pump Efficiency Monitoring
 - Monitor the pump health and detect faults
- Power Consumption Reduction
 - Optimizing the operation and reduce energy use
- Water Leak Detection
 - Detect bursts and minor constant leakage
- Trending and Analysis
 - Collecting data to be ready with supply capacity
- Integration of SCADA with IMS
 - Allows for smart planning and cost-effective operation

COST SAVING ANALYSIS

For more info please contact support@ebipax.com

MANAGEMENT & FINANCIAL BENEFITS

- Operating benefits
 - Public satisfaction enhanced through improved service
 - Fewer water problems and faster response
 - More convenient handling of the system
 - Better use of skilled manpower
- Financial benefits:
 - Long term savings on maintenance
 - Travel time and cost savings
 - Electricity cost savings
 - Better planned investments