



## Water Pumping Electric Machine Controls

### Key points of interest

Electric Machine Controls (EMC) has provided up-grades to existing water and waste water pumping stations in Alabama and other locations in the southern US using TBOX Lite telecontrollers. TBOX provides a cost optimized solution for small remote sites that need monitoring, data logging, remote communications and control capabilities. EMC was able to provide a reliable and cost effective solution to meet and exceed the customer requirements.

The sites feature :

- Multi Pump control
- Variable Speed Drive Interface
- Wetwell level detection and control
- Tank level monitoring
- Wireless Cellular communications
- Daily Reports and data logs
- Text message alarming
- Email alarms and Reports
- Local and remote Web access

### Overview

Electric machine Controls is an Industrial Control Systems Integrator and Solutions Provider specializing in Drives and Control Systems in Pulp and Paper, Metals, and General Industrial Applications. Their experience includes twenty-five plus years in engineering, specifying, designing, programming, software development, manufacturing, and integrating numerous process control automation projects. In the past EMC has provided control and monitoring solutions for the municipal water and waste water industry. They found that the small scale remote pumping and treatment sites often used traditional PLC's, HMI's and SCADA software that was typically too costly and complex to integrate to be profitable. Additionally these systems would often require complex radio system studies and installations in order to facilitate communication to a central SCADA PC.

By Utilizing TBOX Telecontrollers for their latest projects EMC has now been able to provide all the needed functions and communications with one hardware and software solution and maintain profitability. Additionally they have been able to leverage IP communications and offer the client online web access to the system, text alarm messaging and daily reporting. The telemetry system can be offered with a variety of communications such as GSM/GPSR wireless service, Ethernet, Phone Modem and Radio.

Find out more information about EMC at [emcinc.biz](http://emcinc.biz) and TBOX at [integrasense.com](http://integrasense.com).

