elmec
ELECTRICAL – INSTRUMENTATION – MECHANICAL – AUTOMATION

Sites:	**Various**
Locations:	**Various**
Description:	**Web Based Monitoring, Control, and Alarming**
Equipment:	**Various**

For many years large, small, and micro sized applications have needed the ability to remotely monitor, log, and control their equipment, access their controllers and to have reliable SMS or Emailed alarms when something goes wrong. In the past this has required an assortment of providers, hardware, custom VPN interfaces and lots of engineering hours. Now we are able to use a single low cost device to provide all of these functions in a secure and reliable manner, and without the need to coordinate multiple vendors. Most importantly, engineering hours are significantly reduced with no need for expensive SCADA licenses.

Capabilities include:
- Your site(s) connect via Cellular (3G, with 4G available soon), Satellite, or a normal Ethernet connection with very low data overheads.
- Cloud based logging (trending) of analog values such as temperature and flow – great for audit purposes.
- Alarming via SMS and / or Email when something goes wrong – all alarms are logged in the Web interface.
- The ability to provide a Web based SCADA interface to use for monitoring and control, and accessible securely and from anywhere you can get an internet connection.
- Modbus 232/485/TCP and EthernetIP connections to your PLCs.
- Direct and secure VPN connection to your PLCs if required.
- The ability to configure multiple sites into one simple Web Login with full user privileges on all functions.
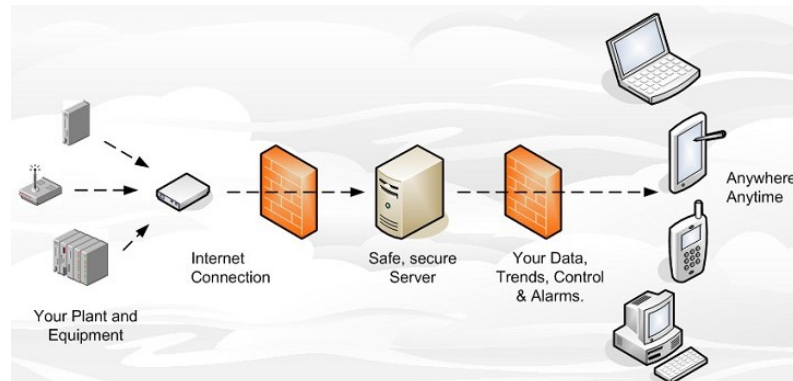
Whether you are keeping an eye on Chillers full of meat, a Water Treatment Plant, Generators, or something much larger, an economical and totally scalable solution is now available.