



TAS Online

(Pty.) Ltd.

Pump Monitoring & Consultancy

from



WINTER UPDATE 2-17-2009

Well after a long hard and not over yet Chicagoland winter we are bringing you the latest update on the TAS PumpMonitor.

We received the communications equipment from TAS over the holiday season and spent a bit of time finding a SIM card that will work with the cellular communications network that TAS is using at present.

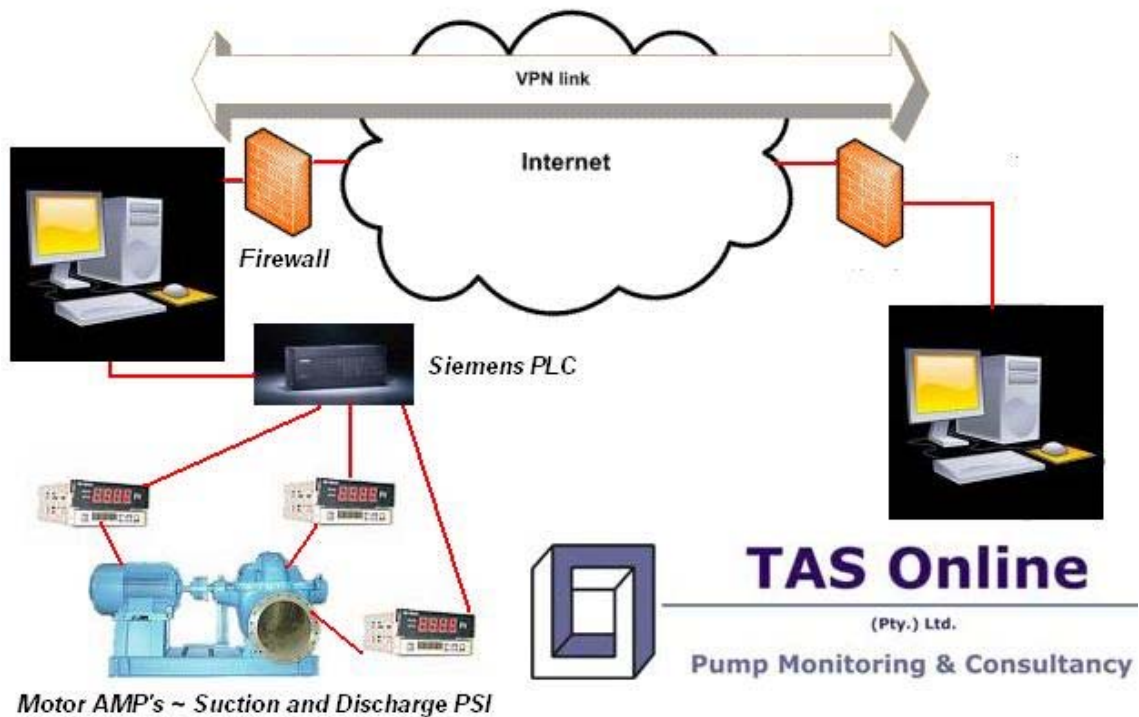
At this point we will begin testing simulated data transmissions overseas to TAS to test the communications equipment out. TAS is using a Siemens Micro S7200 PLC as the backbone of the communications equipment as their standard in overseas.



This will work fine for the pilot test to prove out the concept but we will most likely change to an open architecture Allen-Bradley style PLC to be compatible with USA operations. Also we will go with a secure VPN (Virtual Private Network) over the Internet for the final design. Most all of the prospective clients have high speed data at their facilities so that we can use this less expensive but secure technology to transport our communications data overseas to TAS Online.

A **virtual private network (VPN)** is a computer network in which some of the links between nodes are carried by open connections or virtual circuits in some larger network (e.g., the Internet) as opposed to running across a single private network. The link-layer protocols of the virtual network are said to be tunneled through the larger network. One common application is secure communications through the public Internet.

A VPN allows computer users to access a network via an IP address other than the one that actually connects their computer to the Internet.





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The pilot will be performed on a pump at Country Club Hills Public Works Department facility. The pump is a 75 HP Clear Water Pump on a VFD. This is a simple application being clear water but with the VFD it will be a good pilot to see how the pump is being operated and if it is maintaining BEP operation.

We will keep you posted on the progress of the pilot and when we are "On Line" up and running the TAS PumpMonitor.



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