



TAS Online

(Pty.) Ltd.

Pump Monitoring & Consultancy

from



SPRING UPDATE 2009

Upon inspection of the Siemens modem set to us from TAS Online it was discovered that the SIM card was not present. After a purchase of a cell phone to pull the SIM card out to use in the modem it was further discovered that the modem was of the European design and not going to work with the USA cellular systems at all. These are the exact types of difficulties one can expect to run into when you are working on an “international solution”.

The local Siemens office did step up to the plate and offered us their own demo model modem to test with but no success was had with this arrangement either. The final conclusion was the two different systems were just not going to integrate well due to the different operating systems used in the USA versus Europe and South Africa.

A big decision came about that Synergy Sales would install a complete Siemens server in our office that we can use to fully test and debug communications using a modem, Ethernet module, or any other media we find necessary to the TCM. In parallel with this effort we will provide TAS Online with the ability to access the server via internet and VPN so we can use our server as a conduit for data transfer to the TAS Online server once we get these basic connectivity issues resolved. We have supplied the Siemens representative with the contact information for TAS Online Siemens representative so they can work together to assist us if needed as well.

This is a big step in the right direction in that we will be able to execute the TAS Online software programs over here in the USA and then transfer the output files across the VPN to the TAS Online office in South Africa. This design is far better than to try to transport the raw data overseas to TAS Online for execution there. We will have a far better system this way and the ability to troubleshoot much more effectively this way as well. This is the correct and better way to achieve good digital communications and have far fewer errors and problems.

Naturally this costs more to do and additional time. At this point it will take a few weeks for our local ISP to provide us with a fixed IP address, service upgrade, and the appropriate Modem/Router. Then we will need to load TAS Online proprietary software to check that the packets of data are being received between the two servers properly. It will still be in encrypted format, so we cannot do anything with the data just yet but test.

However once we get the TCM communicating to the server in the Synergy Sales office, and we have set up the VPN access, TAS Online will install the rest of the software required to decrypt the data and run TAS PumpMonitor live in the USA.

In the end this is a far better way to achieve our goals and have a smooth operating system in house state side that will be easy to troubleshoot and keep up and running 24/7/365.

Sorry about the long technical discussion to explain all of this to you but in the world of IP and VPN's you can see there is a lot of detail to these digital communication systems that has to be engineered to exacting detail and specifications. By the way we had to put all of this explanation together from many emails back and forth between two IT experts and we may have mixed up a term or two since we are not an IT/IP expert.

So there you have it the latest update which is great news for all in that we will have a great "full-on" system and TAS Online PumpMonitor will actually be really running in the USA on its own server after all.

We will soon do the hookup at Country Club Hills. All of the instrumentation and high speed IP connections are in place there already. It won't be long then to be up and running live and to have TAS-Online PumpMonitor consulting service reports being generated.

COMING SOON



75 HP CLEAR WATER PILOT TEST



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