



SVXIICON TI Driver Upgrade

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Current situation

- Siemens PLC interfaced to iFIX via serial link (more or less) and TIA driver
- TIA driver incompatible with Win 2K/XP
- Switch to TIE driver
 - Private Ethernet replaces serial link

Hardware requirements

- Two new Ethernet modules to install in PLC system (\$1740 each)
 - One is on-line spare
 - Requisition paperwork filed
 - Will need to shut down cooling/interlocks to install
- Additional Ethernet card in new PC, private ethernet hub (hide)
 - Mark says no problemo

Software requirements

- Download TIE driver and configure
- Poll table
 - Import (painless) or re-build (semi-painful)?
- iFIX DB
 - Change tag addressing, possibly signal conditioning
 - Painless global find-and-replace on CSV file
- This might be a good opportunity to optimize polling/scan time configuration
 - The reason SVXIICON's heart beats so slowly

Plan

- Temporarily introduce new SCADA node (SVXIICON's eventual replacement)
 - Will sit where CDF_S6 is
- Get it up and running in parallel to SVXIICON, then replace SVXIICON
- Currently waiting for hardware, reviewing DB/poll table (housecleaning, optimization issues, etc.)