

Data Collection and Analysis Solutions from Software Horizons/Socket Team

Software Horizons and Socket Communications have teamed up and integrated InstantHMI software technology with various Socket data collection hardware offerings.

See the new **SDSC 3M** (SDIO Laser based product) from Socket at ISA Expo 2006 in Booth 2561.


InstantHMI 4.1 is your multi-platform HMI solution. Install it on Windows PC platforms for a traditional single or multi-node Client/Server HMI setup. For a mobile/wireless solution install it directly on a Windows Mobile PDA or use our InstantChip™ technology to run from a CF/SD card. Use InstantPanel™, our Windows CE color touch system (5.7", 8" and 12.1" screens), for panel mount machine control applications.

Socket makes mobile scanning convenient and simple with a comprehensive product line including CompactFlash and Secure Digital I/O cards as well as ergonomic Cordless Hand Scanners that integrate Bluetooth wireless technology with data collection. Socket's data collection products feature CMOS, Laser (Class 1 and 2, 1D and, 2D) barcoding, mag stripe and RFID technologies to cover a variety of scanning requirements. Socket Serial to Bluetooth adapter lets you convert serial ports on controllers to provide Bluetooth connectivity. Other Socket adapters let you easily scan and log Barcodes/RFID data directly to a PDA for instant on the spot Data Collection.


The Software Horizons-Socket team offers several bundled solutions for your applications including:

Maintenance & Troubleshooting

InstantHMI with Socket RFID/Barcode Scan Card




- Troubleshoot and resolve equipment problems
- Record maintenance tasks with RFID/Barcoding
- Optional GPS hardware for location logging




Bluetooth Cable Replacement

InstantHMI with Socket Cordless Serial Adapter



- Replace RS-232 cables with Bluetooth wireless technology
- Plugs into DB-9 connector of host and/or remote device
- Access controller data up to 300' away



Maintenance and Troubleshooting Solution

The importance of troubleshooting and resolving equipment problems can not be over emphasized. "Pumps currently consume more than 20% of the world's electrical energy. This fact, coupled with recent energy shortages has brought the issue of pumping efficiencies to the surface. The United States Department of Energy (USDOE) is working closely with groups such as the Hydraulic Institute (HI) in an effort to determine mutually agreeable, enforceable standards that will lead to efficiency improvements. " (Recent article in Pumps & Systems Magazine).

InstantHMI software has been adapted to provide Troubleshooting and Maintenance incorporating bar coding, maintenance logs and mobility in a convenient PDA based handheld solution.



Troubleshooting & Maintenance Solution

Scan Barcode ID or Select System Manually



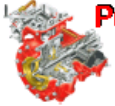
Pump



Sprayer




Other



Pump Service Log
10/05/2006 16:00:49
1011001234

- Priming Speed
- Noise in pump casing
- Gaskets and O-Rings
- Shaft seal leakage of air and water
- Crankcase oil level (engine)
- Spark plug condition (engine)
- Notes: Valve Replaced


Inspected By:
Daniel



Sprayer Service Log
10/05/2006 16:02:20
1011001234

- Clean Sprayer
- Check Sprayer Hose
- Filter out undissolved particles
- Clean nozzle with broom straw
- Rinse sprayer with water
- Notes:

Inspected By:
Michael



Other Tasks
10/05/2006 16:03:23
1011001234

- Air Cleaner
- Unusual engine noise
- Proper RPM (engine)
- Shaft seal leakage of air and water
- Carburetor adjustment (engine)
- Impeller wear
- Notes: Clean the Casing

Inspected By:
Anthony

Software Horizons develops and markets low cost Industrial Human Machine Interface (HMI / SCADA) software and total solutions based on Windows PC, Pocket PC, Palm OS and Windows CE Platforms incorporating the latest technology for wireless connectivity to allow 'Anywhere, Anytime' information access in the field and on the factory floor.

Socket Communications develops and distributes a broad range of data collection and network connectivity products for mobile devices such as PDAs, notebooks and tablet computers. With our focus on ease-of-use, feature richness and energy efficiency, Socket products increase mobile workforce productivity and boost corporate performance. By working collaboratively with integrators, 3rd party software developers and OEMs, Socket provides complete solutions for enterprise customers and the mobile workforce.