



December 2006

What is SCADA?

SCADA is the acronym for Supervisory Control And Data Acquisition. The term refers to a large-scale measurement (and control) systems. SCADA systems are used to monitor or to control variables on process plants and provide real time information to plant operators.

Historical December



8th December 1980

John Lennon is shot fatally in New York City. He was 40 years old.



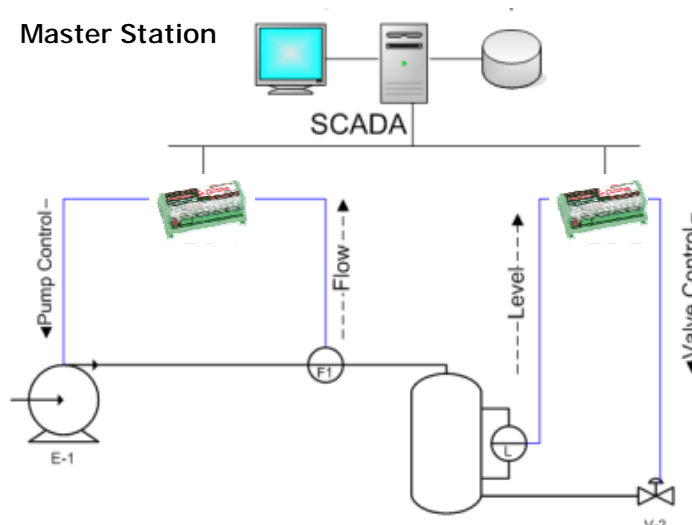
15th December 1915

Allied forces begin a full retreat from the shores of the Gallipoli.



28th December 1895

Louis & August Lumiere screen the worlds first commercial film at the Grand Cafe in Paris.



The diagram (left) shows a typical SCADA set up. This particular model shows how level and flows can be monitored to provide operators with critical data. Here, the data is also being used to control the level in the tank. The PC screen will provide data either numerically, graphically or even as dynamic pictures (mimics). Software records the data for historical trends.

There are three main components of a SCADA system:-

- Remote Terminal Units (RTU's or Outstations)
- Master Station & Human Interface PC's
- Communication Infrastructure (RS485, Ethernet, MODBUS, TCP/IP etc)

SCADA is very popular - principally due to its compatibility and reliability. Intech MicroScan packages are used in applications, such as monitoring and recording room temperatures, but SCADA systems are also used to monitor critical large applications, such as the control of nuclear power plants!

Monitoring Our Resources

With environmental groups implementing tighter regulations with respect to water quality, its key that you have the right monitoring devices in place. Whether its pH, Conductivity or TDS that you are monitoring, you'll need to be sure that the right measurements are made.

Remember, your data is only as accurate and reliable as the instruments you are using. If you need help, call Intech Instruments.



LPI-pH: Stable & Accurate pH transmitter

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Make life easy: Contact Intech Instruments.

For almost 25 years Intech Instruments have been operating throughout New Zealand, servicing a variety of industries. Our product range is made up of both our own high quality manufactured products plus a range of first class imported items.

Our core business is concerned with supervisory, monitoring and control – utilising hardware and software facilities to provide a host of solutions.

Based in Christchurch, where we have both a sales and service operation, Intech Instruments also have offices in Auckland and Hawkes Bay.

With a combination of industrial experiences and technical skills, Intech provide customers with the best solutions possible.

\$\$\$ Intech Specials \$\$\$

Our monthly specials continue to provide some economical options for end users. If you are after something specific, do pick up the telephone and find out what we can do for you.



SR60's: Low Price

The SR70 series units that were on special are all but gone but we do have some other varieties in stock. **The SR60 series units (pictured) are available at \$150 per unit (net).** Quite simply, at that price you won't find a better controller!

When you don't have the power.....But need the display.

Intech know quite a lot about 4-20mA loops and associated control instrumentation. Process indicators allow quick references of plant or machine parameters. The Shimaden SD16 unit is a fully programmable LED display unit that can be configured with alarms, process retransmission and communications options.



Shimaden SD16 Display



Intech LPI-LCD-5

Intech have just released the new LPI-LCD-5. Loop Powered, it does not require any external power supply, using the first 4mA of a standard 4-20mA loop. Fully programmable and easy to calibrate, the LPI-LCD-5 provides users with a high resolution alternative to using traditional powered units.

Intech Over the Festive Season

The weather is warming up and the days are stretching as we head towards the festive season. Intech Instruments will be open for business throughout the Christmas period (other than standard public holidays).

Unfortunately the editor of this newsletter will be away chasing colder weather! You can expect your next newsletter in February '07.

Intech Instruments Ltd wish you all a very safe, Merry Christmas and a Happy New Year.

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