LOGIC Technologies, Inc.

"Advanced technological solutions at an affordable cost."

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Ideas for articles of interest?
Please submit articles or requests to:
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LOGIC Technologies, Inc.

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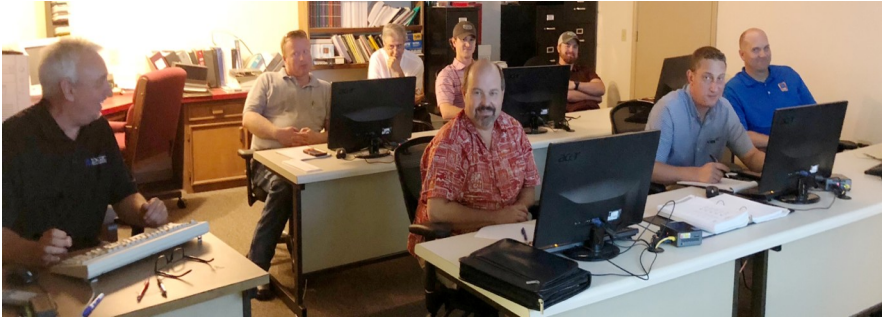# The Benefits of Upgrading Your Signal Server Technology

If you are thinking that it may be time to replace your existing process control system, think again. LOGIC Technologies, Inc. offers our clients the ability to upgrade their existing control systems to German-engineered Weidmueller I/O blade rack hardware utilizing our Engineering Console (ECON) client system software.

Beginning with the introduction of the SR21 PLC in 1982, Koyo has designed and manufactured PLCs for some of the world's largest companies, including General Electric, Texas Instruments and Siemens.

In January of 2021 we were informed by Koyo that they would no longer be producing their DL305 product line. Since COVID-19 and the resulting supply chain shortages, many producers such as Siemens, Allen Bradley and Mitsubishi have also stopped producing their older lines. We want to assure our customers that their systems are not obsolete, however, with the limitation of spare parts, it is an excellent idea to consider an upgrade. If your budget does not allow for a complete upgrade, we can replace some of your I/O racks and define the software to work on those racks.

Our new hardware has been engineered to work with older systems, and when you purchase an upgrade, you are essentially buying a new system at half the cost of a system replacement. It has a flexible design that is scalable to the needs of any facility. Extremely reliable data transmission boosts performance and productivity and allows for the transmission of data in real-time from control level to sensor level. The 16 bit Weidmueller I/O blade rack has greater resolution, accuracy and can read down to 1/10 of a degree.

Training Information and Schedule

Training Enrollment

LOGIC Technologies, Inc. conducts in-depth training sessions at our facility on a monthly basis. Two free sessions are included with each system purchased. Additional training sessions are available for a nominal fee. Operator training sessions are $1045 per person and advanced training sessions are $1045 per person. We provide lunch for each class day; however, all other travel expenses are your responsibility.

Operator- Level Sessions

This class session provides overview coverage of the use of our system to maintain the daily operations of a refrigerated facility. The class is conducted by one of our senior engineers who have many years of experience designing refrigeration control systems. In effect, the classes are taught in layman's terms by someone who fully understands the issues faced by refrigeration operators.

July 12 - 14
August 9 - 11
October 11 - 13
November 8 - 10

Advanced SST Sessions

This class session provides in-depth coverage of the screen and report development tools. Also, briefly covering the script language used to develop control algorithms. These classes are conducted by senior members of our engineering staff. Prior technical and basic programming knowledge is a prerequisite for this course.

September 13 - 15

* Seating is limited, make your reservations early by contacting:
Kim Smith
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ksmith@logictechnologies.com

The ECON client system was designed to be used as a Microsoft Windows-based client for the LOGIC Technologies, Inc. Signal Server Technology System.

Through in-house innovations and customer requested enhancements, the application and associated tools have evolved into a full-blown graphic-based statistical analysis development suite for production systems.

Real-time statistical information generated from a production system is not meaningful to an operator until it is properly formatted. The ECON client system provides the tools needed to design, develop, implement, and utilize comprehensive operator interface screens. Users with the proper security clearance can quickly develop interface screens via the user-friendly graphic tools provided. Screens can be developed using a variety of sources as a graphic base. Available sources include Standard Bitmap Images, Digital Photographs, AVI or MPG Video Stream and Live Network Camera Video Stream.

The end result is a core system that provides functionality that cannot be duplicated using a standard PLC or Human Machine Interface (HMI) development platform. One of the most impressive aspects of our system is that our customers tell us it truly pays for itself in a short period of time through energy cost savings.
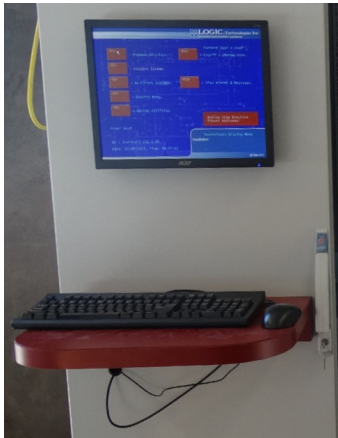
THE CONTROLLER

NEW TOUCHSCREEN RETROFIT

Customer Install Kit:
LT.03404308 $1696.95
In addition to the kit, you must also be active in our yearly software maintenance package.

Upgrade your SST Signal Server monitor to the latest hardware/ software platform.

Before

After

Advantages:

- New Flush-Mount 17" Touch Screen Monitor
- New Mini Flush Keyboard
- New Quick Navigation Button
- Enhanced Software Features
  *Standby Compressor
  *Stage Level Hold
  *Defrost Schedule now Matches
   Temperature Schedule
  *Quick Navigation Buttons
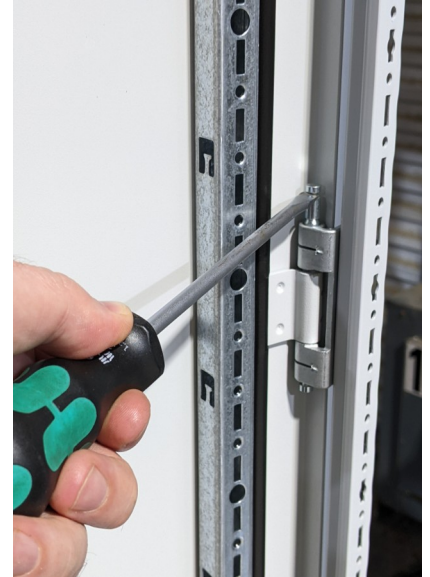 *Allows for Customer on Site
   Field Modifications

Tool List

Jigsaw With Bi-metal Blade
Metal Punch
Hammer
Drill
Drill Bit Set including 6 mm and
 3/4 inch bits
Masking Tape
Flat and Phillips Screwdrivers
Flat and Round Metal Files
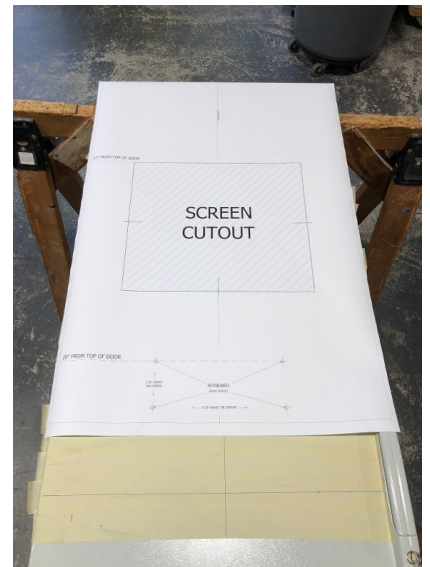8 mm Wrench
3 mm Allen Wrench

Touch Screen Assembly Kit

Flip Keyboard #4219
Keyboard #3155
Template
Touch Screen #3136 / Touch
Screen Power Supply
Bezel
Bezel Brackets
Cable Qty-1 #0227
Plug Qty-1 #2660

Step 1: Use a Screwdriver To Lift Hinge Pins and Remove Door From Cabinet

Step 2: Remove Existing Monitor and Keyboard

Step 3: Lay Door on Flat Surface, Lay New Template Out on Door Using Masking Tape to Secure It.

Step 4: Make New Cutout and Mounting Holes From Template

Step 5: Use A Metal File to Smooth Rough Edges of Cutout and Hole For Keyboard Wire

Step 6: Install New Keyboard and Monitor

Step 7: Mount Door on Cabinet, Reconnect Cabinet.

Step 8: Contact LOGIC Technologies, Inc. to Request the Latest Version of ECON.

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Note:
If you wish to receive this newsletter via email in the future, send an email message to seth.jackson@logictechnologies.com with the subject set to "EMAIL request."