The Controller

October

LOGIC Technologies, Inc.

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"Advanced technological solutions at an affordable cost."

Inside this issue:

Ideas for articles of interest?
Please submit articles or requests to:
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RETA 2018

BY LAUREN SCHUSTER

RETA is being held this year at the Dallas Hyatt Regency in Dallas, Texas. Gordon Simpson (CEO), Paul Jascynski (sales/marketing) and Lauren Schuster (technical writer/marketing) will be at the show in booth 615 to welcome you and share their knowledge of our ever–growing company! LOGIC Technologies, Inc. is a platinum sponsor of the RETA conference and will be hosting a reception in the exhibit hall at 5PM on Wednesday, November 7th. Come visit with us and ask about our new eCUBE updates!

EDUCATION • EFFICIENCY • RETA • DEVELOPMENT ®

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 $450 per person and advanced training sessions are $750 per person. We provide lunch for each class day; however, all other travel expenses are your responsibility.

Operator-Level Sessions

This class session provides in-depth coverage of the use of our system to maintain the daily operations of a refrigerated facility. The class is conducted by Gordon Simpson or 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.

October 10-12
December 12-14

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 expertise is a pre-requisite for this course.

November 14-16

*Seating is limited, make your reservations early by contacting

Kim Smith

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EFFECTIVE TROUBLESHOOTING

BY LAUREN SCHUSTER

Efficient troubleshooting of a control system requires a thorough systematic approach. One of the most comprehensive documented approaches available today was developed by SIMUTECH Multimedia, Inc. during the development of their "Troubleshooting Basic Techniques" CBT program.

This is a brief breakdown of the "Five Step Troubleshooting Approach" developed for this program. Clients who are interested in more information about this CBT training program can visit www.simutechmultimedia.com for more in-depth coverage.

The "Five Step Troubleshooting Approach" was not developed to provide you with step-by-step troubleshooting instructions. The approach is instead simply a logical thought process that can be used to quickly find the source of a problem. This approach can also be implemented to fix mechanical issues that occur in your system.

The approach consists of the following:

Preparation

Step 1: Observation

Step 2: Defining the Problem Area

Step 3: Identifying Possible Causes

Step 4: Determine the Most Probable Cause

Step 5: Test and Repair

Follow-up

MANAGING EQUIPMENT LIFE CYCLE

BY PAUL JASCYNSKI

LOGIC Technologies, Inc., knows that it is important for you to get the most out of your **Automation Investment**, however; the **IIOT (Industrial Internet of Things)** and **Smart Manufacturing** are changing how you do business and encouraging companies to evolve.

Simply **Identifying** and **Recognizing** a product's **Life Cycle**, will make it easier for your organization to **Proactively** plan and **Manage** the transition of **Obsolete Technology** to **Current Technology**.

Q: Why should I proactively manage my equipment's life cycle?

A: So I can minimize the risk of obsolete equipment that can:

- Cause an unexpected downtime event
- Create problems that are difficult to troubleshoot
- Make it difficult or impossible to find critical parts
- Make it difficult to get back up and running in a short period of time

Here at LOGIC Technologies, Inc. we can assist you to **Proactively Plan** and **Manage** the transition from existing equipment to the current technology **without an unplanned downtime incident.**

Here's an Example:
SST Controller Upgrade

Early SST Controller

UNAVAILABLE

The early SST controller is currently obsolete, however; your system can easily be updated to the current SST controller with minimum downtime.

All internal communication equipment is included and software is configured and loaded for a quick changeover.

Please contact us for more information about upgrade options.
(paul.j@logictechnologies.com)

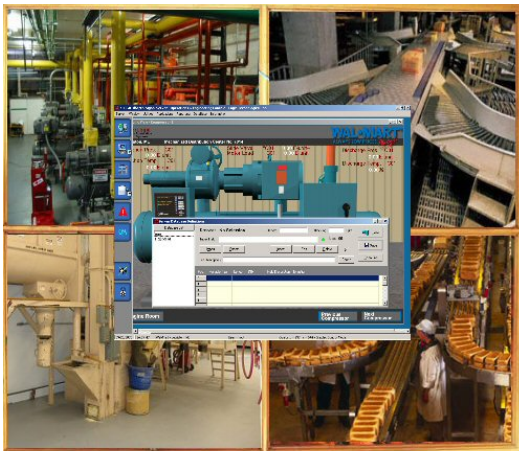
Current SST Controller

INSTALLING ECON

Being a suite of applications, ECON's installation may require more than just ECON itself. All other required software is already available on the ECON installation CD.

ECON System Requirements:

- Minimum Windows XP Pro
- PC with 1.8 GHz or higher processor clock speed recommended; Intel Pentium 4 family, AMD K6/Athalon/Duron family, or compatible processor recommended.
- 4GB of RAM or higher recommended.
- 1.5 gigabyte (GB) of available hard disk space.
- 1080p or higher resolution video adapter and monitor.
- CD-ROM or DVD Drive
- Keyboard and Microsoft Mouse or compatible pointing device.



NEW HARD DRIVE CREATION PROCEDURE

BY GORDON SIMPSON

2SST Hard Drive Creation

Perform a normal system shutdown for the installation. From the main menu screen, press the "S" key. This will stop the menu system and present the system prompt.

When the system prompt is presented, enter **@halt** to shutdown the control operating system. This will display a message that it is OK to remove power from the system.

After power is removed, replace existing hard drive with a new unit but do not turn the lock key to the run position. This will allow the system to reboot on the Flash RAM memory system.

Power up the control system and allow the system to return to the main menu. At this point, the system is operating from the Flash memory system.

When the main menu is displayed, enter another "S" key to return to the prompt. Turn on the drive lock key to start the installed hard drive. There is a green light that indicates the key is in the run position. If the green light is off, the key is in the off position. Normal operation requires the green light to be on at all times.

Enter the following commands at the system prompt:

@verbos on
@sys 4,1024
@mount 4
@copy '4:'*='6:*.*'
@boot or **@halt**

The @boot command will restart the system on the newly created drive. If you wish to place the original drive back into the system, use the @halt command and remove system power when prompted. Restore the original drive and apply power back to the system.

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