The Controller
July

Inside this issue:

Ideas for articles of interest?
Please submit articles or requests to:
lauren.s@logictechnologies.com

ASTI SOUTHEAST REGIONAL SAFETY DAY
BY LAUREN SCHUSTER

The 2019 ASTI Southeast Regional Safety Day hosted by Lanier Technical College and the RETA Atlanta Chapter was a success! LOGIC Technologies, Inc. attended the Safety Day and welcomed participants at our booth. The Safety Day was held June 13−14 and covered topics such as:

−Pre−Emergency Readiness

−Hazards, Risks and Threats of Ammonia and Other Hazards

−Critical Tasks: Industry, Public Safety and Government

−CSB Reports Showing How the Normal Day Becomes Catastrophic

−Analyzing Past Events in the Ammonia Industry

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 $650 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.

July 10-12
September 11-13
October 16-18
December 11-13

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.

August 14-16
November 13-15

* Seating is limited, make your reservations early by contacting:

Kim Smith

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WELCOME BACK!
BY LAUREN SCHUSTER

We would like to warmly welcome our Industrial 3D Artist, Ben Black on his return to LOGIC Technologies, Inc.! Ben designs and creates a workable graphics library for the company and our clients, designs graphics for different jobs and specific customer needs, and is currently working on an exciting series of training/how-to videos for our customers to use. "LOGIC Technologies, Inc. was my first technical office job."

Ben attended Full Sail University in Orlando, Florida and graduated with a Bachelor's of Science with a Game Art degree. Ben was the Valedictorian of his class in 2014 and achieved several Course Director Awards as well! Ben has dabbled in educational games and is a viable asset to our Graphics team. He also has a strong background in IT knowledge. "I worked in the IT field with Data Systems of North Florida as a field technician where I was doing mostly access controls for the Gainesville Regional Airport. The prodigal son returns to LOGIC Technologies, Inc.!"

Ben will be working closely with our marketing team assisting in directing our energy to the most important asset to our company, our

SST VS PLC

LOGIC Technologies, Inc. was founded in 1980 by Gordon Simpson. While the organization provides other types of control systems, the primary focus is to provide reliable environmental/refrigeration control solutions. Gordon realized in a short period of time that PLC's would be impractical for these systems due to the analog signal and historical information data processing requirements. PLC/HMI solutions could be implemented; however, the resulting system would be limited to the functionality of the HMI application suite utilized. In order to solve this problem, LOGIC Technologies, Inc., began developing a design methodology that would provide a cost-effective reliable solution with no functionality restrictions. The end-result came to be known as Signal Server Technology or SST.

Signal Server Technology is simply a method of interfacing real world signals into a network environment. The system allows for plant wide system control and can be customized for each customer's specific needs. The dbc/OS32+ operating system provides drivers to monitor/control standard PLC I/O rack component systems produced by all major manufacturers (AB, GE, Opto22, Koyo, etc···). The operating system and associated refrigeration control software has evolved over the years to become a product that can be configured to handle anything a customer may wish to do with an environmental control system.

Although we are happy to provide standard PLC-based control systems upon request, to date more than 350 SST systems have been successfully implemented.

The graphic user-interface of the SST system was designed for use by refrigeration engineers. This being the case, all screen references and operations are represented by refrigeration equipment components and terms. The client application suite includes all tools required to

create new user-interface screens. An experienced user can quickly create an intuitive user screen based on a bitmap image with a few mouse clicks. Since SST systems utilize industry standard I/O racks, the cost difference from a hardware standpoint is insignificant; however, SST systems can utilize I/O structures from all major manufacturers so the end-user can select lower priced I/O equipment. The reliability of I/O rack equipment is high for all manufacturers since they all generally use the same electronic components.

Reliability differences are usually related to the actual PLC module which isn't used in a SST system. For instance, KOYO I/O components are far less expensive than their Allen-Bradley counterparts but the reliability factor from a pure I/O standpoint is about the same. For retrofit systems, the SST controller can be used to control existing I/O structures manufactured by any standard vendor. This feature dramatically reduces the field-wiring costs typically associated with control system upgrades.

Benefits of SST vs. PLC:

-Core System Developed Specifically for Environmental Control

-Reliable Controller and I/O Structure

-True Open-Architecture Design Base

-More Cost-Effective than PLC/HMI Design Paradigm

-Evolutionary Functionality

-Intuitive Refrigeration Based GUI

-Time-Tested Refrigeration Control Algorithms

-No Functional Limitations

-Less Operator Training Required

-Less Maintenance Level Training Required

-Dramatically Improved Return On Investment

-Extended User Community

-Corporate and Product Longevity

-Faster Problem Diagnosis and Resolution

# LOGIC'S SOCIAL MEDIA PRESENCE

BY LAUREN SCHUSTER

LOGIC Technologies, Inc. is up-and-coming on the social media front. LOGIC technologies, Inc. now has active Facebook, Twitter and LinkedIn accounts. Social Media is a great tool for your business to be seen. YouTube is a wonderful way to create a platform for How-To videos. Our new How-To videos will be posted soon! Our customers can follow our accounts, ask questions and add feedback! Follow us today for exciting updates and info!

YouTube: TBD

Facebook: https://www.facebook.com/logictechnologiesinc/

Twitter: https://twitter.com/logic_tech_inc

LinkedIn: https://www.linkedin.com/company/logic-technologies-inc

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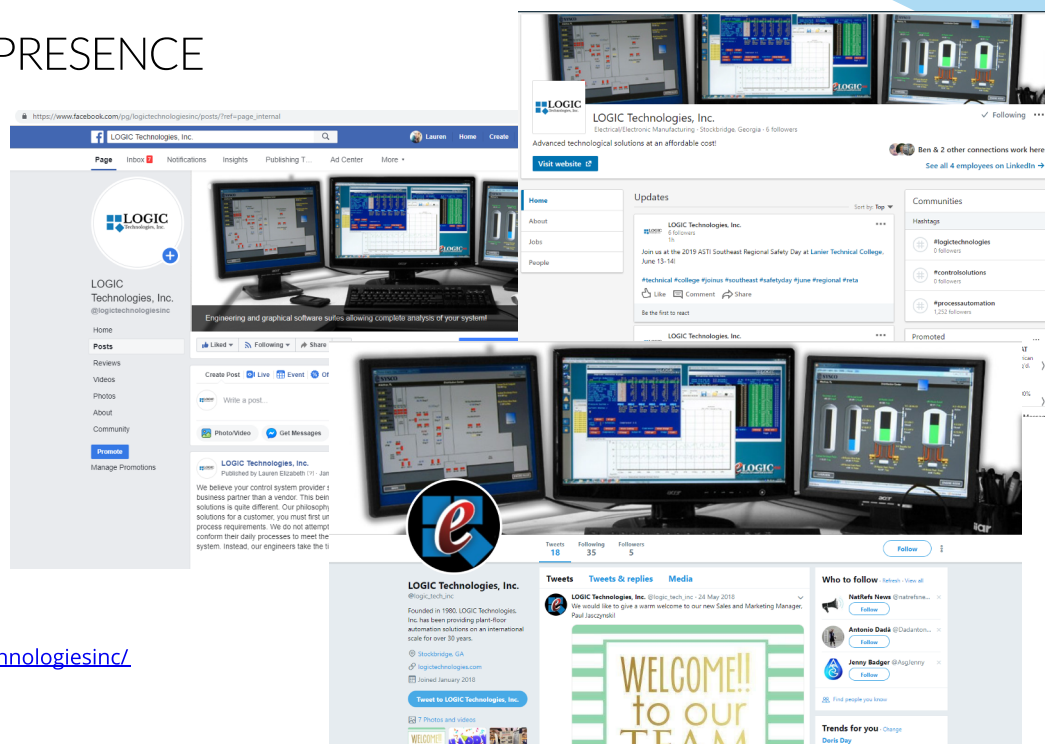
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Address Correction Requested

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