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SUPERIOR CONTROLS, INC.



Rick Pierro Loses 16th Year Road Race – Looking for Redemption

In an unprecedented event, Rick Pierro, President of Superior Controls, was unmistakably beaten by five (5) swift-footed, Superior Control employees in the annual 5K road race held in Portsmouth, NH. For 15 years Superior Controls has entered a corporate team of speedy runners to compete yearly and in keeping with tradition, Rick Pierro again offered \$300 cash immediately after the race to any employee that beat him to the finish line.

Congratulations to Heidi French, Bob Coggon, Jakub Mocny, Andrew Corsini, and Tag McCormick on their fast run and their winnings. While celebrating immediately after the race at the Portsmouth Ferry Landing, Rick congratulated and carefully handed out the winnings to each successful runner. Several nearby bar patrons insisted that they, too, had beaten him in the race but, fortunately, he ran out of money.

Rick immediately challenged all Superior Controls employees to a similar rematch coming up later this summer. It is rumored that he is planning to place the faster engineers on a long term biotech project in China and is also investigating a second mortgage on his house.



Rick Pierro (middle right) immediately after losing to (left to right) Jakub Mocny, Andrew Corsini, Heidi French, Tag McCormick, and Bob Coggon in the road race challenge.



THE SUPERIOR CONTROLLER

VOLUME 17 ISSUE 1

Superior Controls Named "2012 System Integrator of the Year" by Control Engineering Magazine

Global award recognizes firm's continued leadership in capabilities, methods, and customer focus

Seabrook, NH, 2012 – Superior Controls, Inc. has been named "2012 System Integrator of the Year" by *Control Engineering* magazine.

Each year, the worldwide competition recognizes the system integration company that best demonstrates exceptional technical expertise, business skills, and customer satisfaction.

A panel of eight industry experts reviewed over 50 applications from industrial systems integrators throughout the world.



"We are very proud to receive this prestigious industry recognition," said Rick Pierro, President of Superior Controls. "We have always sought to be the very best for our customers, and this award reflects that commitment. To win the award this year is a testament to our proven project methodologies, the professionalism of our staff and management with an average of 19 years of automation experience, and the strong, long-term partnerships we have developed with our customers."

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"I was especially impressed with the diversity of clients, offerings, and methodology that Superior Controls has developed for different applications." – Texas A&M Professor Mike Workman



Rick Pierro, President, and Mark LaRoche, COO, after being notified that Superior Controls had been named "2012 Systems Integrator of the Year."



The *Superior Controller* is published by Superior Controls, Inc. of Seabrook, NH—the leading controls system integrator specializing in the design and implementation of industrial automation and information systems.

The purpose of this newsletter is to present project examples to our customers. Your comments are welcome. Write or Fax:



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Trusted Automation Excellence

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Tarpon Biosystems and Superior Controls Announce Collaboration

Tarpon Biosystems of Worcester MA is pleased to announce they have partnered with Superior Controls, New England's largest independent biotech automation and IT company, to provide a complete automation solution including automated control, data collection, and batch reports for their BioSMB™ (Simulated Moving Bed) product line. Superior Controls' engineering and validation teams will provide ongoing automation development and support, including the design of dynamic and intuitive operator interface systems, data collection systems, batch reports, and GAMP5 validation required to implement Tarpon Biosystem's BioSMB™ downstream processing systems in a GMP environment.

"Our collaboration with Superior Controls has strengthened our automation offering, expedited our development and shortened our time to market," said Lynne Frick, VP of Business Development for Tarpon Biosystems. "Adding Superior Controls to our team with their 18 years of biotech automation and validation experience has helped us create a powerful and intuitive product with unique, fully

Superior Controls Named "2012 Systems Integrator of the Year"

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Texas A&M Professor Mike Workman, one of the panelists judging the competition observed, "I was especially impressed with the diversity of clients, offerings, and methodology that Superior Controls has developed for different applications." Superior Controls was the first CSIA member to have its policies, procedures, and methodologies certified four times, and the company's five-member validation department ensures that FDA-regulated clients receive all the necessary testing and documentation.

Superior Controls, of Seabrook, New Hampshire, has grown to be one of the leading providers of custom automation and IT systems for the Biotech, Food and Beverage, and Energy industries. Since 1993, Superior Controls has successfully automated and implemented over 400 validated automation systems for the Biotech industry and has won multiple awards from leading food and beverage manufacturers.

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disposable product contact elements, including the valving, to enable the first SMB systems designed specifically for biomanufacturing."

"Our collaboration with Superior Controls has strengthened our automation offering, expedited our development and shortened our time to market." – Lynne Frick, VP of Business Development

"Superior Controls is excited to work with Tarpon Biosystems to automate their novel BioSMB™ product and after automating approximately 40 validated chromatography systems over the past 18 years, we recognize how important this technology will be to the Biotech industry," said Rick Pierro, President of Superior Controls. "BioSMB™ is uniquely flexible, using a disposable valve array, prepacked disposable columns, and a very cost effective, scal-

able and modular approach," he added.

Tarpon Biosystems was formed to improve the efficiency and lower the costs associated with biomanufacturing. Their technology, called BioSMB™, adapts a proven manufacturing technology for use in the biomanufacturing environment. BioSMB™

downstream processing systems use disposable components to enable flexible, multi product biomanufacturing, all at a significantly reduced cost. Additional information about Tarpon Biosystems is available at www.tarponbiosystems.com.



Tarpon Biosystems' BioSMB™, single use, disposable chromatography unit being automated by Superior Controls

Superior Controls Welcomes Back Three Returning Senior Engineers!



We are excited to welcome back **Bob Patrick**, who previously worked at Superior Controls for 10 years as a Senior Project Engineer and Project Manager, and has returned as VP of Engineering. Bob has 18 years of automation and management experience and served recently at BAE Systems

as a Principal Systems Engineer where he performed research and development in areas such as cyber security and sensor systems. Bob has a BS and MS in Mechanical Engineering from Tufts University. At Superior Controls, Bob is responsible for the coordination and development of 40 automation engineers as well as the implementation of project management systems, policies, and training. *We are very pleased and excited to welcome Bob back!*

We are also pleased to announce that two engineers who have worked at Superior Controls at various stages in their career have rejoined Superior Controls. *Welcome Back!*



Jim Mathieu (left), a veteran automation engineer with over 20 years of experience, has rejoined Superior Controls. Jim is an Electrical Engineer with a BS from the University of South Florida.

Matt Stafford (right), an experienced automation engineer with 18 years of automation experience, has rejoined Superior Controls. Matt is a Chemical Engineer with a BS and MS from the University of Maine.



THE PEOPLE WHO ARE SUPERIOR CONTROLS

Superior Controls Welcomes Bright New Talent

A warm welcome to our newest employees, who have joined Superior Controls, Inc. since our last newsletter.



Shannon Asselin is an experienced automation engineer with a BS in Chemical Engineering from the University of Mass. For the past seven years Shannon has worked as a Senior Application Engineer for Invensys where she implemented multiple Foxboro DCS and Wonderware based control systems

for numerous nuclear, power, and oil refining projects. At Superior Controls, Shannon is part of an automation team developing the complex controls for a very large scrubber project for a major power plant.

Matt Lyles is a senior Electrical Engineer (BS) and automation expert with 15 years of experience including a stint at Good Year Tire and Rubber, International Paper, and as a partner in a successful automation, engineering business in Tyler, TX. Most recently Matt served as Manager of Engineering and Instrumentation at Wheelabrator Technologies where he managed control and automation efforts for 22 waste to energy facilities throughout the country.



Sudha LaVen is a senior engineer with over 20 years of vast industrial automation and software experience and a BS in engineering in Electronics and Communications. As a Lead Project Engineer for Asea Brown Boveri (ABB) for five years, Sudha implemented DCS systems throughout the world for the paper,

food, and energy industries. As a Senior Software Engineer at Honeywell for six years, she successfully implemented DCS and PLC systems into the Pulp and Paper industry. At Superior Controls, Sudha is currently the Project Manager for Tarpon's disposable chromatography automation project.

Nathan Sandmaier is a Chemical Engineer from the University of New Hampshire where he was designated a member of the Golden Key International Society and was a University Scholar. Nathan's work experience includes a stint at Schering-Plough Corp in Summit, NJ where his responsibilities included modifying batch processes and flows. He also served as an intern at O'Brian and Gere in Blue Bell, PA where he studied the economics of removing arsenic from water and developed the work flow process for sediment sampling. At Superior Controls, Nathan is working on the expansion of a major biotech automation facility.



Andrew Corsini is a Chemical Engineer from the University of New Hampshire where he was a Presidential Scholar Recipient. His senior project involved designing a Gas to Liquid industrial plant as well as a Coal gasification Plant. Andrew also worked at Supfina Machine Company where they

make customized abrasive machining systems. At Superior Controls, Andrew is expanding a major NY-based biotech automation facility.

Joseph Iuliucci received his MS and BS in Chemical Engineering at UNH while serving as a Teaching Assistant for several lab courses. Over three years Joseph also worked on various oceanographic and geologic research projects, which included deploying ocean bottom seismometers and operating deep-tow seismic instrumentation. At Superior Controls Joseph is working on the expansion of a major biotech automation facility.



Eli Kirpolenko is a multitasking software engineer with 11 years of experience developing motion and high temperature control systems at Mellen Company. Eli studied Electrical Engineering and Computer Technology at UNH. At Superior Controls Eli is implementing an ABB, DCS system for a Rhode Island-based manufacturer.

Nathan Thomas achieved an eye-popping 3.96 GPA in Chemical Engineering (BS) at the University of New Hampshire. Nathan also received the UNH Award for Excellence, Presidential Scholar Award, and the F. Waite Scholarship. Previously, Nathan served four years in the US Marine Corps and served in Iraq. At Superior Controls, Nathan is implementing a major biotech automation system.



Brian Zukas is a Chemical Engineer from the University of New Hampshire with engineering experience at Dow where he helped implement automation equipment for the treatment on organometallic materials. Brian also served at Clements Scientific in Brentwood, NH as an intern. At Superior Controls, Brian is expanding a large biotech automation facility.