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Generators Only Operate with Fuel

A company with a broadly distributed set of networks and machines depended on strategically placed generators to keep operations underway in the event of a power failure. The idea was sound, and the system worked well. That is, it worked well as long as the generators that were vital to keeping the system running had fuel in them - sort of a "no brainer." When the day came along that the system failed and the generator was not able to save the day, maintenance personnel discovered an empty generator fuel tank was to blame.

This problem was brought to the attention of Advanced Automation Products (AAP), which had worked with the firm on other projects. The goal was obvious - the generator fuel tanks needed to be monitored for fuel consumption and fuel availability.

The company asked AAP's Steve Brown to assist. Steve developed a system for the customer that relies on Control Technology Corporation (CTC) Blue Fusion Controllers in combination with SymCom Corporation's enhanced overload relays to keep a constant stream of information flowing, alerting the company to failures and, better yet, impending failures, to protect valuable assets and ensure 100% uptime.

SymCom enhanced overload relays are often used as "smart sensors" to monitor three-phase voltage, current, power, and power factor. In this project, the module's compact package was important since control panel space was limited. In addition, the relays are easily installed and configured in the field for a wide range of voltages and currents. The built-in communications port was networked to a CTC Blue Fusion 5300 controller, programmed to continuously monitor all parameters within the relay. Real-time data is used to provide alarms for immediate notification of a problem, monitored to alert of a pending problem, or logged for later analysis for preventive and predictive maintenance.

Click [here](#) to read more about how this solution prevents a generator from failing from lack of fuel by sending alerts whenever a problem has occurred or a potential problem is identified.



Meet Braas Company

CTC Products Integrated into Inflatable Protective Shelter Systems

St. Louis, Missouri-based Production Products is a company that's not afraid of change. In fact you might even say it thrives on meeting new challenges - and big ones at that. The company's specialty is a range of products for personal and collective protection from chemical and biological threats. Responding to government requirements for homeland defense products, Production Products uses military-grade materials and manufacturing processes.



Production Basics' design team tailors protective shelters and other products to meet a wide variety of protection needs and scenarios, and grows with the demands of the situation. With four manufacturing plants in Missouri, totaling 359,000 square feet, Production Basics has the capacity to meet its customers' demands as well as surge capacity.

CTC products have become integral parts of Production Basics' protective systems. Current applications use the CTC 5100 controller with analog and digital inputs, and the CTC 5300 controller with the same configuration for larger applications. They have also incorporated two CTC HMI offerings - series 4300 touchscreens with NEMA4/IP65 rated front panels, and 15" iPanel computers with CT-HMI software.



In 1961 Jim Braas founded the J.E Braas Company selling Warner Electric products out of the trunk of his car. By 1969 the company had five employees and sailed past the million-dollar mark in sales. With company headquarters in Eden Prairie, Minn., Braas now has offices in Florida, Illinois, Iowa, Nebraska, North & South Dakota, Minnesota, Wisconsin, and Mexico.

Braas Co. later formed its Application Engineering department to meet customers' need for customized product. J.E. Braas moved on to sell the company to his employees in 1986 - making Braas one of the only employee-owned companies in the industry.

Visit the [Braas Company website](#) to learn more about its training services and how to integrate CTC controllers into your next project.

You can also contact MidWest Regional Sales Manager, Keith Ingram, (313.909.0908 or keith.ingram@ctc-control.com).

Lunch & Learn with CTC

CTC offers a variety of Lunch & Learn Seminars to help you keep you up to date on technology developments or refresh your skills. Sessions are typically held from 11:00 am to 2:00 pm at your site. And CTC brings lunch! Examples of the most popular Lunch & Learn Seminars include:

- An Introduction to Automation with CTC
- Focus on Motion Control
- Web-enabled Control Systems
- Communications - Data Logging, Fault Monitoring & Notification, Archiving

Lunch & Learn Seminars can be scheduled for as few as four participants or as many as 20. To schedule a Lunch & Learn at your facility, e-mail: jan.swaine@ctc-control.com.



We're always interested in your feedback! Please e-mail us with questions, suggestions, ideas.

Our job is to make your job easier!

Sincerely,

Control Technology Corporation



Production Products' Trailer Mounted Collective Protection, Interior

Attention New Customers: Learn with CTC's Automation Kit!

New customer? Order a complete Automation Kit to get started using the Blue Fusion 5300 controller. Call [your local distributor](#) to learn more and order the kit.

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