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A Note From CPI

Year End News and Special Thanks

Dear Dan ,

As the Holiday rush overtakes us all, I want to thank you for taking a few minutes to let me share with you some of what's new at CPI. 2005 has been great for CPI, with healthy, incremental gains on several fronts bringing us to what will be a strong finish for the year. We are pleased to have gained some new players on the production team, while we also bid farewell to a dedicated, long-term employee ([see Sue Engle in the CPI Spotlight section](#)).

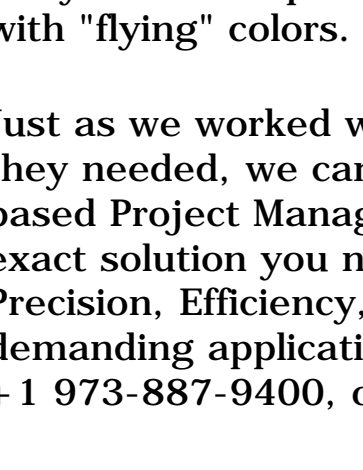
Despite a year of tremendous hurricane disasters in the Southeast, our economic growth indicators show surprising staying power. According to the Commerce Department, the gross domestic product rose at a 4.3 percent annual rate in the third quarter. The unemployment rate was unchanged at 5.0 percent, according to the Bureau of Labor Statistics of the U.S. Department of Labor, and job growth was widespread, with large gains in construction and food services.

U.S. construction continued to rise pre-hurricane, and the post hurricane levels should continue to rise thanks to government-led reconstruction efforts. (We must remember, however, that at some point, we will have to face the adverse effects that paying for these activities will have on the economy.) There are also some encouraging signs coming from Europe, with quarterly growth in industrial production approaching a 2% annual rate to end this year. All in all, we are looking forward to a great year again in 2006.

With all of the positives in these times, we also remember those less fortunate, particularly those affected by the recent hurricanes. Our thoughts remain with those who have suffered loss and hardship from Katrina and the other storms that have affected the southeastern United States.

Again, thank you for your time and thank you for your valued contribution to a banner year for us. On behalf of everyone at CPI, I extend our best wishes to you and yours for this Holiday season and in the New Year.

Sincerely,



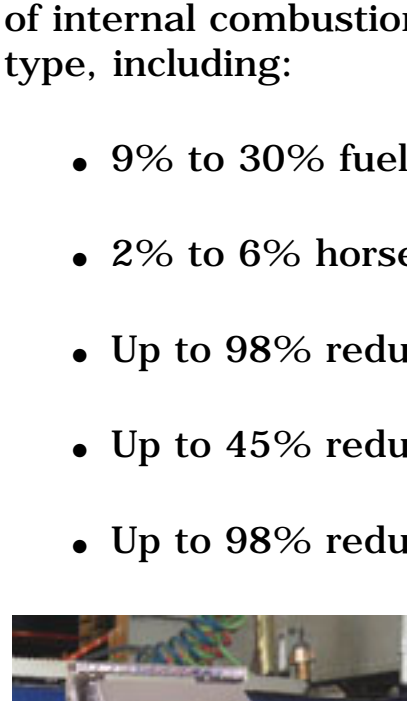
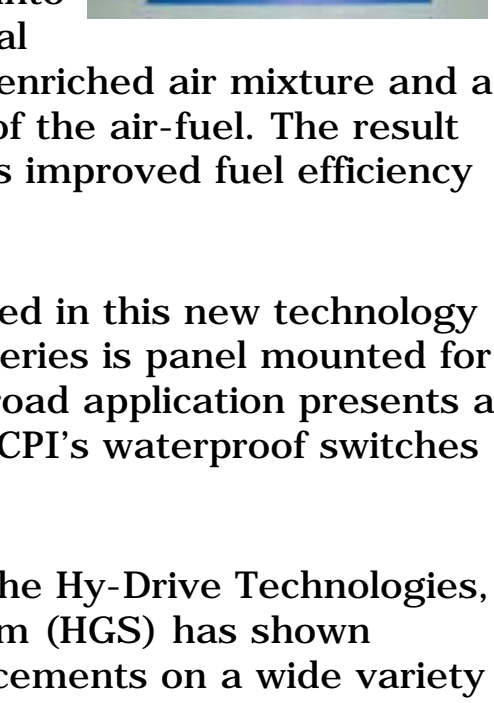
Mac Stuhler
 Vice President
 Control Products, Inc.

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Feature Articles

JAS Specifies CPI's X1 Series Thermal Switches

The **JAS Group** of companies was founded in 1986 to provide complete support for the DeHavilland Twin Otter Aircraft. JAS has supported Twin Otter operations worldwide since then, earning the enviable reputation of being one of the foremost parts and service providers to Twin Otter operators. JAS contacted CPI in March of this year, seeking an alternate source for a critical thermal switch used in the Twin Otter fire suppression system.



This is an ideal application for our X Series thermal switches, as they provide extremely fast response time (5 seconds max., per MIL-S 24236, P4.7.5.1). CPI Engineers provided a flange mount configuration to precisely match the mounting requirements of the Twin Otter firewall, # X1040. This is a

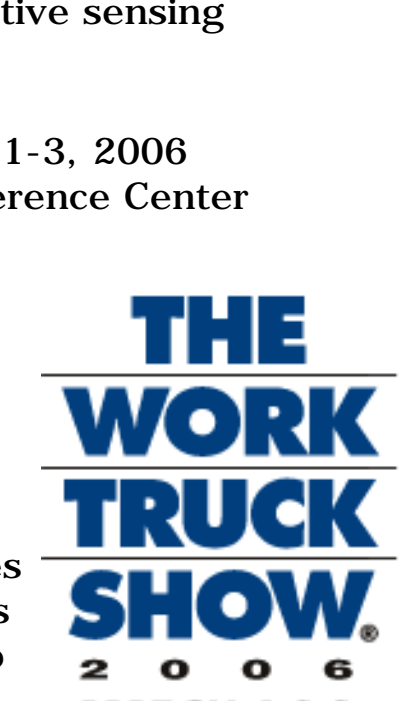
good example of CPI's design flexibility, where one of the standard product platforms is adapted to a specific application need. Initial units shipped to JAS in October, and qualification is scheduled for completion by the end of the year. We expect the adapted X Series switch to qualify with "flying" colors.

Just as we worked with JAS to provide the exact solution they needed, we can do the same for you. Our factory based Project Managers will work with you to provide the exact solution you need. CPI will help you implement Precision, Efficiency, Reliability and Safety into your most demanding applications. Contact us today at +1 973-887-9400, or e-mail (sales@cpi-nj.com)

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CPI Waterproof Switches Incorporated into Hydrogen-Based Energy Systems

Many countries and regions are implementing more and more stringent emissions regulations for the 700 million-plus vehicles on the road, particularly for commercial vehicles.

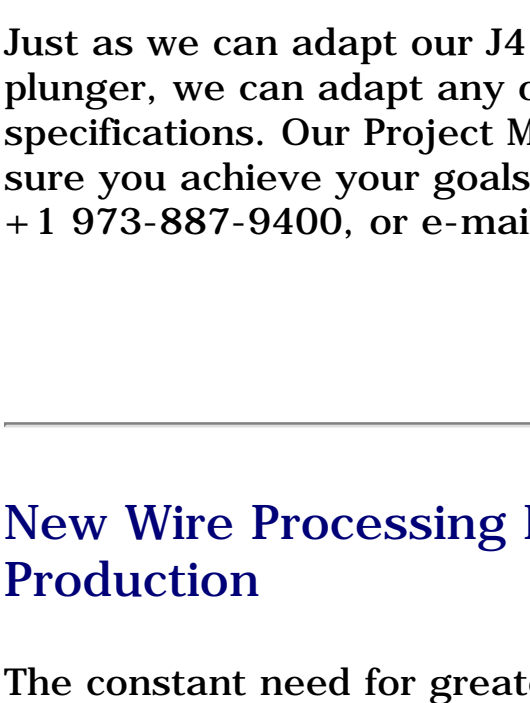


Hydrogen-based energy systems help independent trucking businesses and fleets operate in a highly competitive market, and protect them against those increasingly stringent emissions regulations. These systems inject small amounts of hydrogen gas into the air intake of a regular internal combustion engine, creating an enriched air mixture and a more complete and faster burn of the air-fuel. The result is greatly reduced emissions plus improved fuel efficiency and torque.

CPI's E1 Series limit switch is used in this new technology as a door interlock, while a K5 Series is panel mounted for power switching. This over-the-road application presents a harsh duty environment, where CPI's waterproof switches perform precisely and reliably.

Based on testing trials to date, the Hy-Drive Technologies, Ltd. Hydrogen Generating System (HGS) has shown outstanding performance enhancements on a wide variety of internal combustion engines, depending on the engine type, including:

- 9% to 30% fuel savings
- 2% to 6% horsepower improvement
- Up to 98% reduction of carbon monoxide
- Up to 45% reduction of nitrous oxide
- Up to 98% reduction of particulate matter



The initial target markets for Hy-Drive are the existing commercial diesel-powered trucks and buses. This is very exciting news, in the fact that emissions could soon be going way down. This is good for the earth, and this technology has tremendous promise in contributing to the effort of reducing pollution, increasing engine efficiency and performance, and achieving significant fuel savings.

Can you imagine... a diesel truck starting up without that huge blue-gray cloud? And traveling 1/3 farther on a tank of fuel? HGS can make it possible. Can you imagine major city buses equipped with this technology? And what about adapting it to automobiles? Hy-Drive's HGS is a fantastic technological development, and CPI is proud to be involved.

[Check out the Hy-Drive System.](#)

At CPI, no technology is too complex for our Project Managers to understand, work with, and develop the solution you need. We work worldwide with numerous industries and we are here to help you, too. Contact us today at +1 973-887-9400, or via e-mail sales@cpi-nj.com

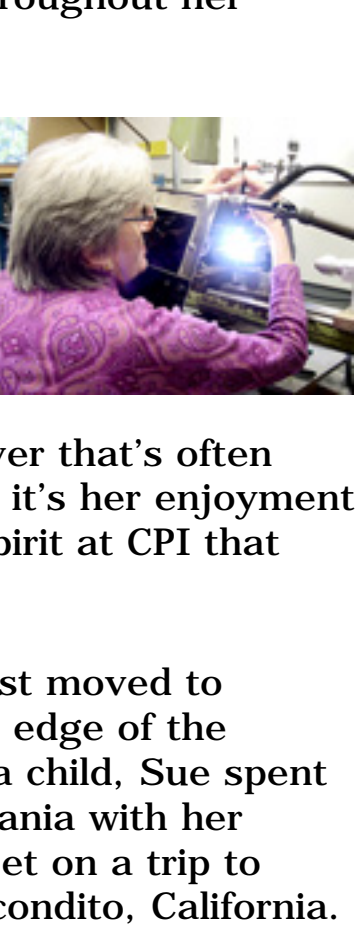
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Come Visit CPI in Atlanta and Las Vegas

We'll be at the Work Truck Show and the Waste Expo in 2006, showcasing a full line of waterproof and thermal switch products as well as linear position sensors for hydraulic cylinders. Bring us your challenges. Come discuss your applications with CPI's factory-based Project Managers, pick up the latest technical information, and take a few minutes to see our innovative sensing solutions.

Work Truck Show, March 1-3, 2006
 Atlanta, Georgia World Conference Center

The **Work Truck Show** is BIG. Really big. In fact, it's the largest event in North America dedicated to Class 1 - 8 vocational trucks and equipment. Stroll through aisle upon aisle of more than 450 exhibits showcasing everything from toolboxes to full-size pickups, and from winches to Class 8 dumps. This is the place to find answers to your spec'ing and technical questions. If you can only attend one trade show in 2006, the **Work Truck Show** is your "must attend" event.



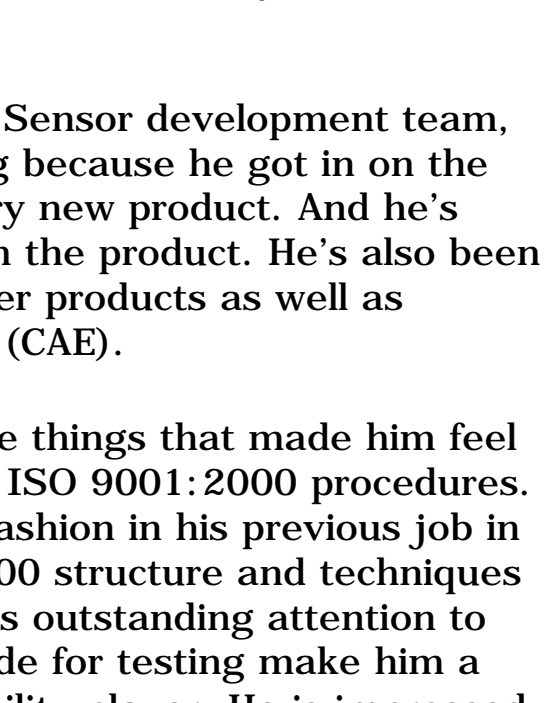
Waste Expo, April 5-7, 2006
 Las Vegas Convention Center

WASTE EXPO WasteExpo is North America's largest solid waste and recycling trade show serving both the private and public sectors. Whether you come from a small, medium, or large private sector waste management company or a manufacturer or supplier, you can see the latest products and visit with suppliers while learning techniques and current industry trends. With over 445 exhibitors, **WasteExpo** is your opportunity to see and compare all of the latest equipment and technology in the industry.

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New! J4 Series Plunger Switches for Ultra-Harsh Applications

CPI offers two new additions to its J4 Series plungers: extended travel plungers and actuators capable of operating in high temperatures, up to 302° F. The plunger increases travel to over 1/2-inch, which means that the switch can be utilized in situations where the adjustment wouldn't need to be as precise to actuate the switch. That means greater flexibility in mounting and actuator configuration. The J4 is now easier for equipment manufacturers to implement; thereby easier to bring about important safety measures in more applications.



J4 Series ball switches are very capable products, with their patented ball carrier design. They were developed for some of the most demanding applications where traditional steel ball switches have failed. The standard J4 is completely submersible, (IP68), "ice proof," and operates from -50° to 185° F. As with all CPI products, design flexibility applies. Variable parameters include mounting thread, plunger length, actuation force, terminations, and all travel parameters.

For more information, [go here for a product summary sheet](#) (Acrobat PDF Format).

Just as we can adapt our J4 Series ball switch with a plunger, we can adapt any of our products to suit your specifications. Our Project Managers are here to make sure you achieve your goals. Call us at +1 973-887-9400, or e-mail sales@cpi-nj.com.

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New Wire Processing Machines Enhance CPI Production

The constant need for greater efficiency, faster set-ups, and improved quality brings the latest technology to CPI's production facility. "Wire processing is at the beginning of everything we build — it is fundamental to our operation," says Nick DeSalvia, CPI Production Manager.



Two new machines, one by Megomat, which cuts, strips, marks wire and installs connector seals and terminals, and the other by Schleuniger, which is used primarily for cable processing, are now fully deployed.

- Key features of the new machines include:
- Much faster cycle times
 - Improved reliability
 - Shortened set-up procedures
 - Reduced space requirements
 - Windows-based control and networked program storage

Nick explained that the machine selection process involved extensive reviewing and comparing of product specifications, as well as visiting companies where these machines are in operation. An extremely responsive local representative weighed heavily on the equipment selection process — excellent service is critical to our operation and our equipment requires excellent service as well.

CPI is always looking for ways to better serve our customers. In this case the focus was on consistently speedy turnaround for numerous large orders. What can we focus on for you? Talk with us today. +1 973-887-9400 or e-mail sales@cpi-nj.com.

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CPI Spotlight

Sue Engle

It's time to bid farewell to one of CPI's all-time greats - Sue Engle. Sue retired from CPI in November, after working here for 38 years. She'd been welding for us for 34 years, and her first four years were in the machine shop. Sue absolutely loves to weld, and she'd been welding thermal switches for government and aerospace applications and recently training another welder to her high standards — to maintain the same level of quality that Sue has ensured throughout her career.

Sue put her heart and soul into her work, and the results proved out time and time again. There is so much of Sue's handiwork in use today. Sue says that the formula for a long and rewarding career is simple — you just have to really enjoy what you're doing. In these days of the rapid turnover that's often prevalent in other companies, Sue says it's her enjoyment of her craft plus the people and team spirit at CPI that kept her here for the long run.

What's next for Sue Engle? Well, she just moved to eastern Pennsylvania, near the western edge of the Poconos, to join family and friends. As a child, Sue spent many memorable summers in Pennsylvania with her grandparents. She also has her sights set on a trip to Hawaii, plus a visit to her brother in Escondido, California.

While we are happy that Sue is starting a new chapter in her life in a beautiful area with loved ones, we are also going to miss her. In all her years with CPI, she never failed to bring her outstanding spirit to our team and we will always be grateful for her stellar contributions and friendship.

CPI President Cliff Moodie added, "Sue's been a real asset to the company for 38 years. Her knowledge, skill, and dedication will be sorely missed."

Thank you, Sue Engle. And have a wonderful retirement.

Kedar Kulkarni

And now we'd like to introduce you to Kedar Kulkarni, our newest Design Engineer.

Kedar is originally from Pune, India, which is near Bombay. He earned his Bachelors degree in mechanical engineering from the University of Pune in 2001. After working for an engineering company in Pune for six months he decided to pursue his Masters degree in the USA. While doing that he was given the opportunity for internship at CPI, and he immediately came on board. In March of this year Kedar received his Masters degree in mechanical and aerospace engineering from Rutgers University. After graduation we immediately hired him full-time.

Kedar is a member of our SL Sensor development team, which he says is very exciting because he got in on the ground floor of a revolutionary new product. And he's been growing right along with the product. He's also been heavily involved with our other products as well as Computer-Aided Engineering (CAE).

Kedar explains that one of the things that made him feel right at home at CPI was our ISO 9001:2000 procedures. He was working in a similar fashion in his previous job in India, with the global ISO 9000 structure and techniques that are in place here. Kedar's outstanding attention to detail and perfectionist attitude for testing make him a Jack of All Trades — a true utility player. He is impressed with the team spirit at CPI, and we are impressed with him.

So, what does Kedar Kulkarni do here in New Jersey when he's not at CPI? For starters, he's an accomplished tabla player. The tabla is a pair of Indian tuned drums, played with the fingers and used to accompany other instruments. He often plays in concerts on the weekends, and he also takes part in drama theater. Kedar keeps in contact with friends from Rutgers and is never at a loss for fun.

CPI is proud to have Kedar Kulkarni on our team.

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