



## September 2011 - Vol. IV, Issue 4



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Greetings!

A backyard conversation results in a 15 year successful business relationship! You just never know where a conversation may lead you. Sam Hoff, President of Patti Engineering, had just that experience.

Back in 1996 Sam's neighbor, Eric Klebba worked at the Johnson Controls automotive seat manufacturing facility in Mt. Clemens, Michigan. Sam and Eric's conversation about a failing control system at that plant was the catalyst to our lengthy relationship with Johnson Controls. Eric Klebba is still with Johnson Controls today and Patti Engineering still serves as a trusted resource to Johnson Controls Automotive Division.

This month we are celebrating our history with Johnson Controls. We appreciate their loyalty and trust, and we are proud to be associated with an outstanding company ranking 76 on the Fortune 500 list. Read our next section for insight into our partnership with a global leader in the automotive industry with products, technologies and advanced manufacturing capabilities that demand the very best. Our system development, IT and plant floor support has earned us the opportunity to continue this partnership for the past 15 years and counting.

This month the employee spotlight is on our Product Manager, Dave Malkan. Dave is a very talented electrical engineer with an instinct for exploring and discovery. He started as an intern with us and became a full-time engineer after graduating from Kettering University.

While Dave's adventurous spirit led him to try out careers with other companies, his path led him back to Patti Engineering where he has excelled. We admire Dave's adventurous spirit and how that transfers into his keen ability to advance our engineering and product development.

We always love your feedback. Let us know if there is a specific automation topic you are interested in or if you have comments on what we have covered here.

Thank you for your interest in Patti Engineering!

Best regards,

Georgia H. Whalen

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## Backyard Barbeque Foundation of Patti Engineering 15 year Partnership with World Class Client, Johnson Controls, Inc.



Patti Engineering is celebrating our 15 year partnership with Johnson Controls, Inc. (JCI). "It has been our pleasure to serve Johnson Controls over the past fifteen years. We appreciate the confidence, loyalty and trust JCI has placed with Patti Engineering through the years," said Sam Hoff, President of Patti Engineering. "We are proud to be associated with a global leader in the automotive industry with products, technologies and advanced manufacturing capabilities that demand the very best. "

It is hard to believe that Patti Engineering's successful business partnership with JCI began 15 years ago with just a casual backyard conversation. One never knows where such a conversation may lead. Sam Hoff had just that experience back in 1996 when Sam's neighbor, Eric Klebba worked at the Johnson Controls automotive seat manufacturing facility in Mt. Clemens, Michigan. Sam and Eric's conversation about a failing control system at that plant was the catalyst to Patti Engineering's lengthy relationship with Johnson Controls. Eric Klebba is still with Johnson Controls today and Patti Engineering still serves as a trusted partner and resource to Johnson Controls Automotive Division.

Johnson Controls is a leading supplier of automotive interior systems and electronics. Patti Engineering collaborates with JCI on system architecture and data structure requirements for manufacturing execution system (MES) applications operating in the space between the front office information technology (IT) and plant floor operations. According to Sam Hoff, "JCI is one organization that has figured out that the war between operations and IT is over and that both organizations need to work together to increase overall efficiency."



Patti Engineering has been instrumental in development of manufacturing and production Intelligence "Excellence Standards" for JCI's automotive division. Many of the MES applications developed and supported by Patti Engineering include MIRA (Manufacturing Intelligence Reporting Application), an Iconics based application, JCI's custom Integrated Production Control (IPC) system, and the lot traceability application required for tracking and maintaining critical build data such as serial numbers of airbags, pretensioners, and occupancy detection devices.

"Lot Traceability" is critical to the improvement of manufacturing productivity, efficiency and quality assurance. The Lot Trace application was initially developed in 2000 and has been continually improved over the last decade with collaboration from all the JCI manufacturing facilities across North America. In addition to application development and implementation, Patti Engineering provides 24/7/365 support to JCI manufacturing facilities across North America.

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## Patti Personnel - Dave Malkan



Dave Malkan

Whether canyoneering or mountain biking in Moab, or hang gliding in Rio, or simply enjoying the open air on his motorcycle, Patti Engineering's Product Manager, Dave Malkan, has a passion for exploring! Dave loves to travel to new places and enjoys the activities that take him there. He even enjoys dancing....salsa, break, and swing! Fortunately for Patti Engineering, that passion for adventure and exploration has translated into a great aptitude for product development.

As with many of our valued clients like Johnson Controls, Patti Engineering has a long history with Dave. Just a young engineering student in January of 1997, Dave started his career at Patti engineering as a co-op student while studying to be an electrical engineer at Kettering University. Upon graduating, Dave was welcomed to the Patti Engineering team as a full-time electrical engineer.



Hanging in Rio

Dave's adventurous spirit led him to explore other opportunities with other companies for several years. Yet, he returned home to Patti Engineering after meeting back up with the team at a wedding reception and discussing the new and exciting technologies we were developing. Dave's return to Patti Engineering brought opportunities and challenges that keep him inspired. Dave has excelled as our Product Manager responsible for design, implementation, and maintenance of embedded control systems for industrial process. In addition, Dave leads product development of biometric and controlled access systems for the secure storage and tracking of weapons, evidence, intellectual property (data), and pharmaceuticals for our sister company LEID Products ([www.LEIDProducts.com](http://www.LEIDProducts.com)).



Ready to Ride

Dave shared his perspective on being part of the Patti Engineering team:

*"I'll have to say that the time here at Patti has been a whirlwind of intense change from intern, to engineer, to product manager. I've seen a lot of growth and change here at Patti and am pleased to be part of a team that provides great engineering solutions to new and unique applications as well as unmatched customer support and satisfaction. Patti provides a working environment that is challenging, dynamic, and value-added (which is ultimately what I failed to find in my 2.5 yr hiatus from Patti). I look forward to continued challenges, opportunities, and success with both Patti Engineering and LEID Products."*



Canyoneering in Moab, UT

# Mountain Biking in Moab, UT

