

RAE Systems Works with FireSmoke Coalition to Educate Firefighters on the Dangers of Toxic Smoke

One of the most urgent campaigns being addressed by RAE Systems by Honeywell is creating awareness among firefighters about the short- and long-term threats to health from exposure to hydrogen cyanide (HCN) and carbon monoxide (CO), “toxic twin” components of smoke produced by building fires. Working with the FireSmoke Coalition, RAE Systems has crafted a campaign, Know Your Smoke, which seeks to educate firefighters on these dangers. Firefighters have long known about the dangers of CO, but not until the last few years have they paid attention to the harmful short and long-term effects of HCN. A spate of medical research since the 1990’s has shed new light on HCN, which can cause challenges for responders and is responsible for increased incidence of illnesses ranging from heart and respiratory failure to cancer. Those affected include first response teams in the fireground, second response teams conducting overhaul, fire investigators, EMS, and rehab, pump operations and command teams.

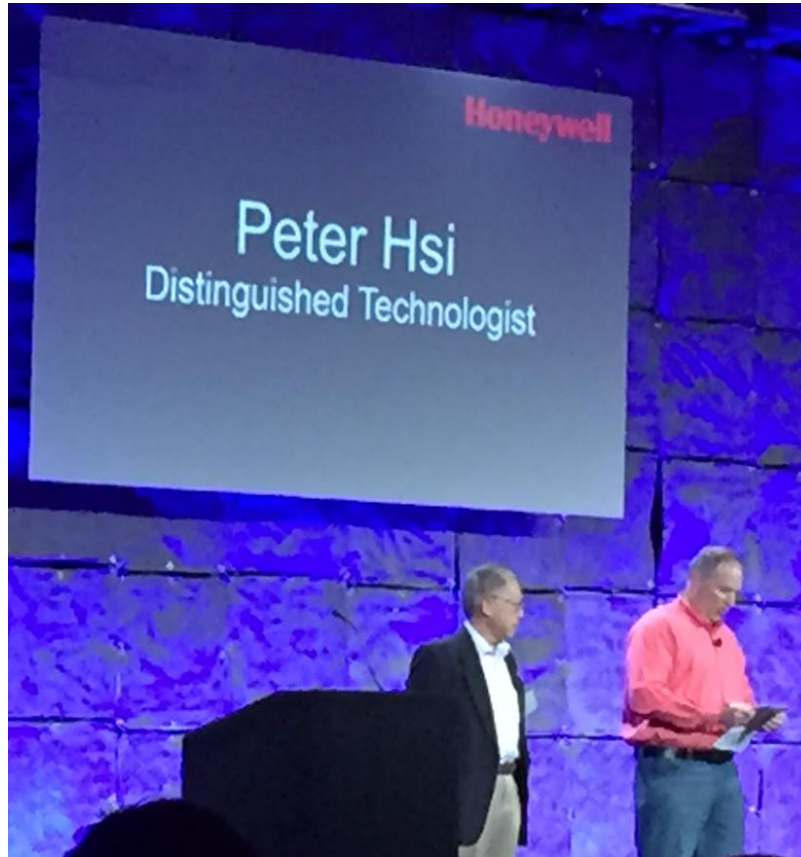
Through the guidance of Thomas Negre, RAE Systems has sponsored FireSmoke Coalition and its global outreach since 2011. Negre encouraged the use of RAE Systems’ wireless CO and HCN monitors in the live burn practical training sessions at the FireSmoke events. As a result, thousands of firefighters, EMS and HazMat personnel have used and become familiar with RAE Systems monitors – which has led to increased brand recognition and demand. “Too many firefighters still exhibit a macho disregard of the perils of smoke on the fireground, and don’t give a thought about how it can impact them. We’re changing that thinking, one person at a time, and encouraging the adoption of best practices,” said Shawn Longrich of the FireSmoke Coalition. “I’ll give you one example. A long-standing practice by firefighters has been to throw their gear in the back of their truck at the end of the day. I’ve said to people, Wait, those clothes could be off-gassing HCN. At minimum, we’re trying to get decon (decontamination units) installed on the perimeter of every fireground, so that firefighters’ apparel are routinely washed and decontaminated.”



Shawn Longrich (center) of the FireSmoke Coalition shares a light-hearted moment with the RAE Systems team at FDIC as she looks out at the world from a Honeywell frame of reference.

Peter Hsi Receives Distinguished Technologist Award

Peter Hsi received a Distinguished Technologist award at the 2015 Honeywell Technology Symposium in Minneapolis, the only award given at the symposium. Currently the Director, Engineering, Honeywell Industrial Safety, Automation and Control Solutions, Peter was a co-founder of RAE Systems and has been vital in the development of many of our products. He has focused on new sensor technology and product development, and has received more than 20 U.S. and European patents. Congratulations, Peter!



Peter Hsi (left) with Dave Cote, Honeywell's CEO.

Attention, Managers: Tell Us What's Up In Your Department!

Managers, let us know what's up in your area. We'll spread the word in upcoming issues. It's a great way to give people in your department some well-deserved exposure and to let everyone know about your group's efforts! Email the staff via thomas.mulhern@honeywell.com.

RAE Systems Wins Big In ISHN 2015 Readers' Choice Awards

Thousands of ISHN (Industrial Safety & Hygiene News) subscribers voted online March 1 to May 1 in ISHN's 2015 Readers' Choice Awards. The results are in and RAE Systems did very well in the third-annual list of winning entries. All category winners received recognition in ISHN media, as well as a glass award commemorating their category achievement!

Industrial Hygiene - 5/6 Sensor Multi-Gas Portables
EchoView Host Closed-loop Wireless Safety System

Industrial Hygiene - Compliance Multi-Gas Monitors
ConneXt Pack - Confined Space Gas Detection Solution

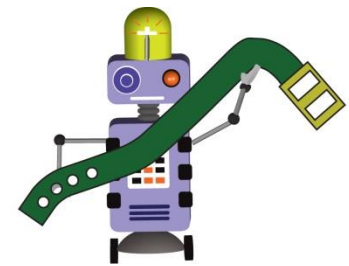
Industrial Hygiene - Fixed Permanent Systems
RAEGuard 2 PID

Industrial Hygiene - Fixed Wireless Systems
AutoRAE 2 Cradle for QRAE 3

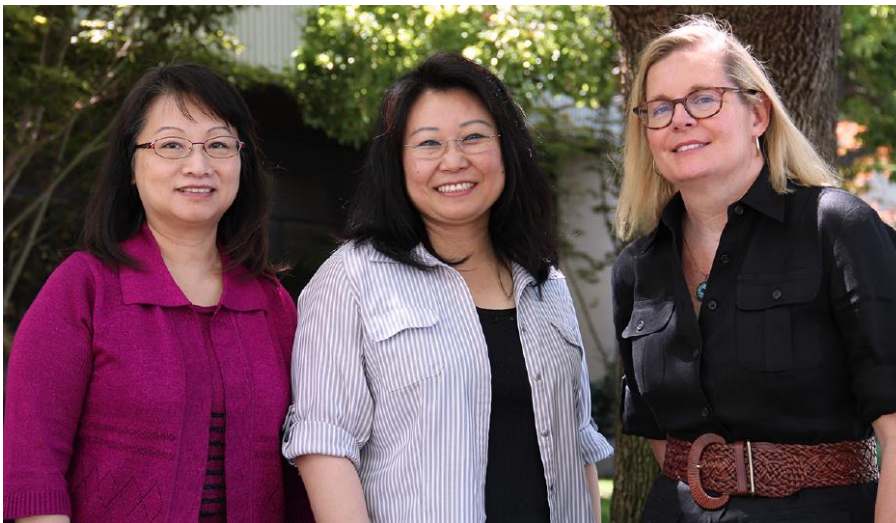


Six Sigma Green Belts!

The past few months have been extra-busy for teams working on their Six Sigma Green Belt projects. Their hard work has paid off, not just for them, but for RAE Systems, streamlining processes, reducing wasted time and effort, and making customers happy. Bravo to these teams for their dedication and teamwork!



Kwik Tag Process Improvement

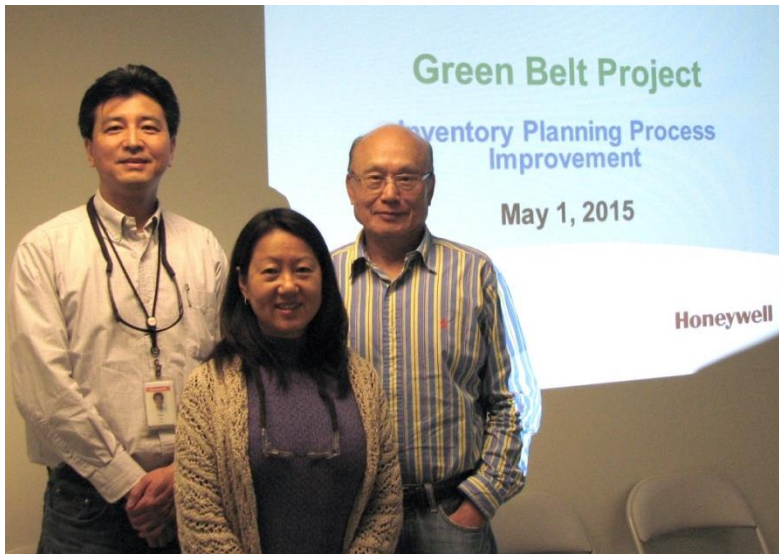


Left to right: Lisa Chan,
Janie Kyee,
Bobbie Lyn Smith

The team's charter was to improve the Kwik Tag Process, but instead of improving it, they determined it would be better to eliminate it. The historic Kwik Tag data will be available for viewing, but for new orders, the data (Purchase Order, quotes, emails, and special pricing forms) will be uploaded into Oracle at the time an order is entered.

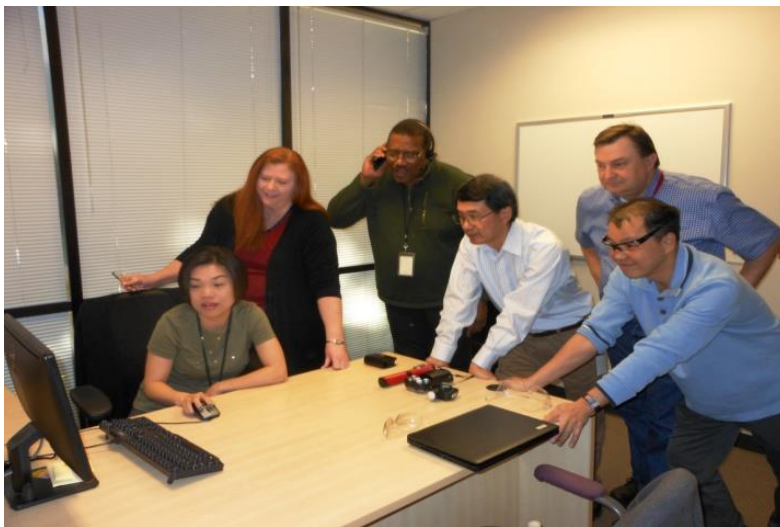


Inventory Planning Process Improvement



Left to right: Alex Lin,
Phil Hsiung, Lydia Mi

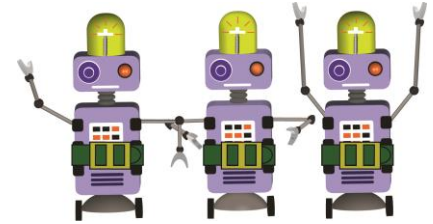
RAE Systems Service Process Improvement



Left to right: Tien Nguyen,
Mary Colene Book,
Willie Kelley, John Zhong,
Edward Kukla, Vinny Bach

The team worked out a way to reduce quoting errors and to improve speed and accuracy of estimates for repairing two products: MultiRAE and AreaRAE, resulting in an estimated savings of about \$78,000 per year. Customer benefits are faster return of repaired equipment and fewer customer defects reported.

MultiRAE Time Cycle Reduction



Left to right: Alen Ferreira, Marlon Cabrera, Igor Smirnov, Joseph Carrillo, Hung Le, Thang Nguyen

Once materials are moved to the production floor, at least 17 minutes will be saved on every work order. The benefit is a \$25,500 annual savings, plus the customer will receive their instrument sooner.

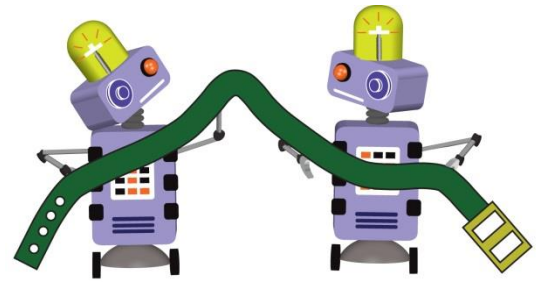
ConneXt Compliant Wireless Product Testing Process Standard



Left to right: Puquan Xu, Peter Hsi, Zheng Bin, Yefim Neizvestny, Mike Tangney, Anthony Do

By using DFSS tools and methodology, the team developed an optimized standard for testing specifications and testing procedures in testing ConneXt wireless products to comply with ConneXt (RAEMesh) wireless solutions.

Improved Advanced Customer Feedback Process



Left to right: Scott Stolte,
Viktor Konovalov,
Nhan Vu, Xiaoping Hong

The team's objective was to improve advanced customer feedback process (expert level) through data collection, analysis, and implementation of results to the existing customer support process, thereby ensuring the process could achieve customer demand. Their approach to capturing and using customer feedback can save from \$45,000 to \$113,000 per year and significantly shorten feedback time to customers.

PID Lamp Test Standardization Across San Jose And Shanghai



Left to right: Chenny Chen,
Carmela Sze, Keith Lincoln,
Jane Fang, June Wang

The team looked at reduction of overall burn-in time between both sites, and decided to burn-in 3 days total in San Jose and eliminate burn-in at Shanghai. The overall savings for San Jose is \$5,000 per month for 10.6 eV 1/2-inch lamps. New test equipment will arrive both sites in early Q3.

RAE Systems Products In Action: Protecting The NFL Draft

RAE Systems deployed a wireless gas monitoring network for the NFL Draft held at the end of April in Chicago. The deployment covered the NFL Experience, which included Draft Town, an event attended by over 200,000 people.



HOS Update

Don't be surprised when you see the HOS Steering team (Dean VanderKooi, Jane Fang, Alex Lin, Lisa Chan, Binh Tran, Carmela Sze, Praveen Sharma, Steven Lederer, Scott Stolte, and Bobbie Lyn Smith) conducting Gemba Walks every Thursday afternoon from 2:00 pm to 2:30 pm. "What is a Gemba Walk?" you may ask. It's the action of going to see the actual process, understand the work, asking questions, and learning. It is known as one fundamental part of Lean management philosophy.

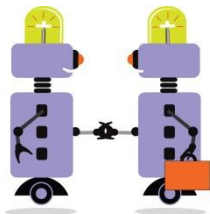
Also: The San Jose Integrated Supply Chain (ISC) & Operational Development (OD) Baseline Workshop has been rescheduled for the week of June 6. Everyone will be updated with the results of the Workshop in the June Monitor newsletter.

Upcoming Trade Shows For RAE Systems By Honeywell

We are involved in a lot of trade shows, and there are a lot of people who do a lot of hard work to make the shows run smoothly. If you're interested, here are the shows coming up in May:

AIHce (Corporate) + VIP Event Saturday, May 30, 2015 (All day) to Thursday, June 4, 2015 (All day), Salt Lake City, Utah

DiVal Safety Summit Tuesday, June 2, 2015 (All day) to Wednesday, June 3, 2015 (All day), Niagara Falls, New York



ASSE Safety Sunday, June 7, 2015 (All day) to Wednesday, June 10, 2015 (All day), Dallas, Texas

National UASI Homeland Security Conference Tuesday, June 9, 2015 (All day) to Thursday, June 11, 2015 (All day), San Antonio, Texas





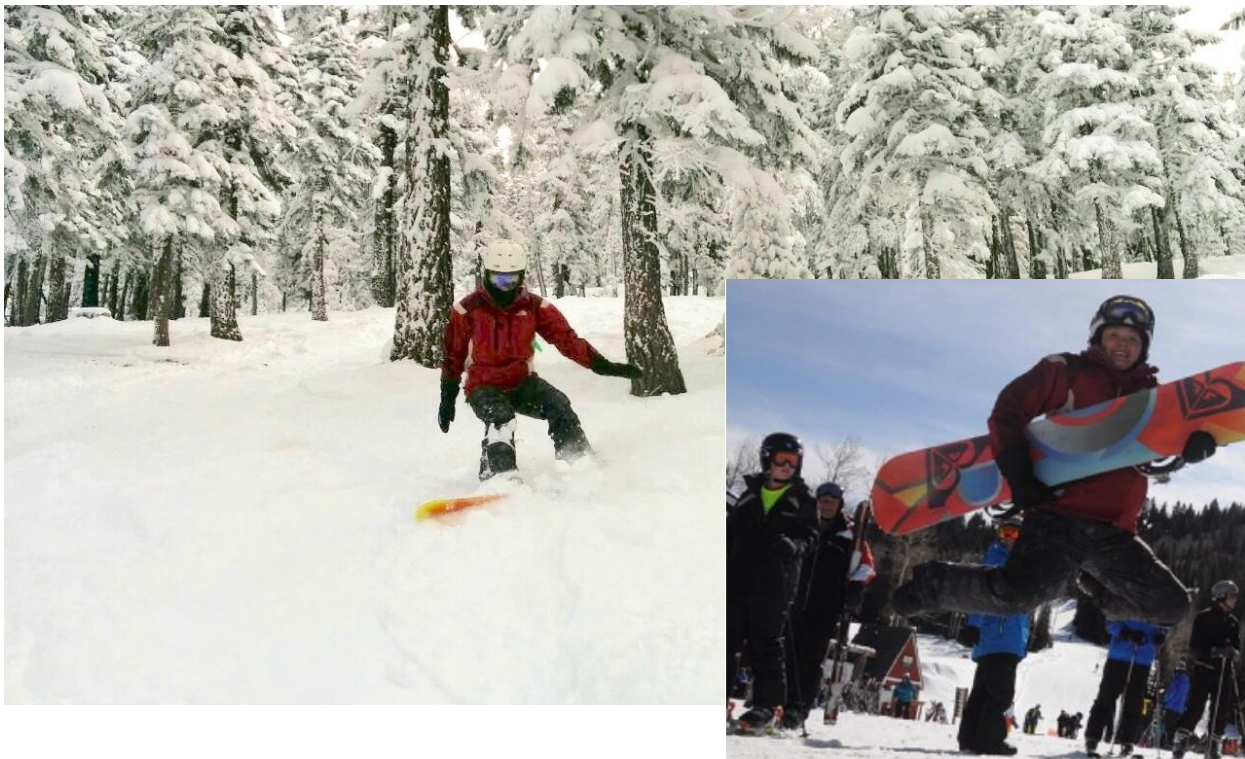
Anniversaries

In May, we're celebrating a lot of milestones. Many thanks for all your hard work and dedication, and congratulations!

- Tarun Kumar, 1 year
- James Strohecker, 4 years
- Louis Le, 7 years
- Luzon Garcia, 7 years
- Lisa Mork Davis, 8 years
- Tien Nguyen, 10 years
- Stephen Lederer, 12 years
- Puquan Xu, 13 years
- Bob Ladzinski, 15 years
- Kim Rabe, 16 years
- Abi Blatchley 18 years

Out And About...

RAE Systems employees aren't always here in our "home away from home." With so many people, we have a lot of different interests. Let us know what you're up to for excitement and fun, and give us a picture or two. Make your co-workers think, "I need to get out more."



**Judy Hsu hits Heavenly Valley at South Lake Tahoe on her snowboard, in March.
 Inset: Judy in Park City, Utah, last February.**