

*Rockwell
Collins*

horizons



Refueling innovation

View with



3D glasses

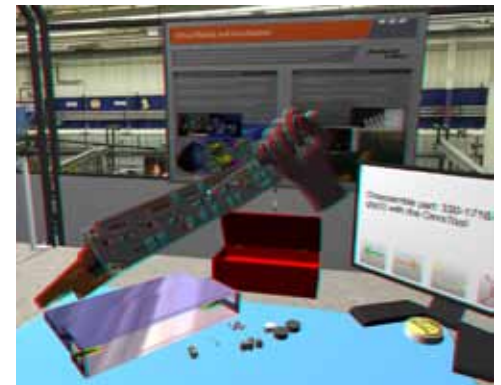
Seeing things as they really are



Employees often come to me with a new technology they're so excited about that they insist I see it for myself. That was the case recently when I donned a pair of 3D glasses in order to experience the Virtual Prototype Modeling system in Advanced Industrial Engineering.

Using gaming software and computer-aided design files, employees are interacting with product designs directly — checking screw settings, fittings, cabling and more. Research and usage statistics show their approach is saving our company time and money by avoiding engineering change orders.

Now, my job is to make sure our focus is on solutions and processes that make sense for our business. And flashy technology, as impressive as it is, does not always translate into business results. Yet, when a clever idea — like the Virtual Prototype Modeling system — solves problems and is cost effective, of course that makes good business sense.



From engineers to assembly operators, entire teams are able to experience a product design with the Virtual Prototype Modeling system.

In this issue of *Horizons*, you'll find most of the articles have one underlying theme: working together. You'll also see that the cover story featuring the KC-46 program, this page, and several other pages inside this magazine require 3D glasses to view.

We've included the stereoscopic 3D images in this issue not because they're flashy, but because the images help illustrate how we're working together to develop solutions that make sense for our customers. So, no, your eyes aren't playing tricks on you. Instead, the 3D images should help you see the benefits of this innovative technology.

I hope you enjoy viewing this issue and learning more about how we're helping our customers perform their jobs easier and more effectively. ■


Clay Jones
Chairman, President and CEO

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When Rockwell Collins employees constructed proposals for Boeing's new KC-46 tanker for the United States Air Force, they were intent on modernizing aerial refueling operations. The Remote Vision System (RVS) is one of many high-tech solutions that will benefit U.S. forces. With RVS, refueling becomes more like a video game — an operator will watch a large stereoscopic 3D display to connect the boom to the receiving aircraft.

On the back cover

This ad — which introduces our company's latest PAVES™ system — appeared in the daily news at the Airline Passenger Experience Association (APEX) Annual Conference & Exhibition in September.



horizons

A magazine for the employees and friends of Rockwell Collins

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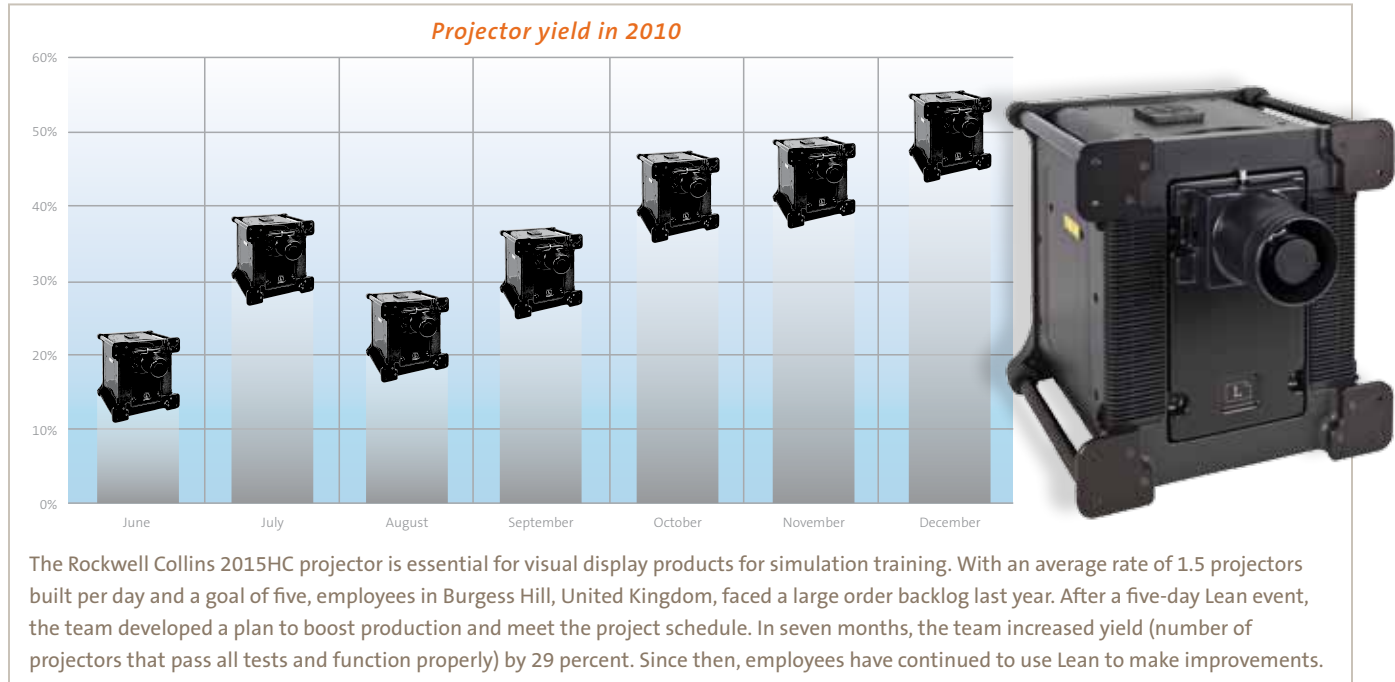
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The following articles may contain forward-looking statements including statements about the company's business prospects. Actual results may differ materially from those projected, as a result of certain risks and uncertainties, including but not limited to those detailed from time to time in our earnings press releases and Securities and Exchange Commission filings.

Using Lean in operations

With Lean tools and processes, employees in Burgess Hill, U.K., were able to quickly increase production for the 2015HC projector to meet customer demand.



Anton White (right), operations manager in Burgess Hill, and Dale Kepler, manager in Lean product optimization in Cedar Rapids, Iowa, focused on basic Lean fundamentals — such as value stream mapping and takt time — to significantly increase the production of 2015HC projectors. To learn more, email Dale Kepler at dlkepler@rockwellcollins.com.

Lean perspectives

After their Lean event, Anton White and his team established daily stand-up meetings, engaged in takt time analysis, and created a new layout for their production floor. These changes reduced build time — from six hours to three hours — and allowed the team to meet customer demands.

Q *What was key to making this Lean effort successful and sustainable?*

A We were able to achieve some big breakthroughs with the value stream mapping. Every employee at the event worked together to identify the entire current process for building the projectors. We were then able to identify areas that needed to be improved and convert that into a future state process map. It gave us direction and a long-term action list for the future, taking the guessing out of the process.

Q *How do you maintain excitement around Lean after the initial event?*

A Before this event, many of us had only heard of Lean, but once we had Dale Kepler and others from across the enterprise to guide us, people directly saw the benefits. Because we had such a large backlog, Dale didn't have to deliver any motivational speech; we wanted to be successful. What started with some Lean experts facilitating an event has turned into a self-sustaining Lean operation. Lean did what we expected it to do. People now look forward to doing Lean events. ■

Takt time? Value stream mapping? —

Employees can learn more about Lean fundamentals on Rockwell Collins Online via "L" in the Index.

787 Dreamliner receives certification

Boeing's 787 Dreamliner airplane, which features more Rockwell Collins content than any other commercial aircraft, has obtained Federal Aviation Administration and European Aviation Safety Agency certification.

The announcement, made in Everett, Wash., in late August, marked a significant milestone on the way to the first aircraft delivery. According to Jeff Standerski, vice president and general manager of Air Transport Systems at Rockwell Collins, this certification is representative of years of hard work among several teams.

"This accomplishment is monumental," said Standerski. "The talent, sacrifice and commitment of our employees have allowed us to bring industry-first innovations to this revolutionary aircraft."

Rockwell Collins serves as the systems integrator for the 787's flight deck displays and crew alerting system, pilot controls, communication and surveillance systems, and core network cabinets. Rockwell Collins also provides the Common Data Network for the aircraft's Common Core System. ■



All Nippon Airways (ANA) is the launch customer for the 787 Dreamliner.

Final aircraft brings model KC-135 program to a close

A 100 percent on-time, on-budget program recently came to an end with the final aircraft delivery for the C/KC-135 Global Air Traffic Management (GATM) program. A prime contractor and flight deck systems integrator,

Rockwell Collins provided the U.S. Air Force C/KC-135 tanker fleet with a variety of communication, navigation, and surveillance/air traffic management (CNS/ATM) products.

According to Dave Nieuwsma, vice president and general manager of Mobility and Rotary Wing Solutions at Rockwell Collins, the collaboration between our company, the U.S. Air Force and Boeing led to the success.

"This team has met all major milestones while also maintaining an extremely demanding schedule," Nieuwsma said during a final delivery ceremony at Kelly Field in San Antonio, Texas, in July. "The commitments we made became commitments kept. This program has allowed the KC-135 to transition between commercial and restricted military airspace seamlessly... anytime, anywhere."

Our company will continue to upgrade the C/KC-135 as part of the Engineering, Manufacturing and Development phase of the C/KC-135 Block 45 cockpit upgrade program. ■



Program Manager Trent Martin and Subcontracts Manager Lida Bridgers, both from Richardson, Texas, participated in the final delivery ceremony at Kelly Field in San Antonio, Texas, in July.

A photograph of Lisa Andrade and Gerald Melton standing on a balcony at Rockwell Collins University. Lisa Andrade, on the left, is a woman with long brown hair, wearing a white button-down shirt and dark pants. Gerald Melton, on the right, is a man with short dark hair, wearing a white button-down shirt and dark pants. They are both smiling and looking towards the camera. The background shows the architecture of the university, including large arched windows and a balcony railing.

Lisa Andrade,
a Rockwell Collins
operations manager
who earned her MBA degree
at Florida Institute of
Technology, shows
Gerald Melton the campus
of her alma mater.

Continuing education: Does it make sense for you?

Our tuition reimbursement program helps employees make the most of education options.

As a new employee, Gerald Melton began counting the days until he marked one year with Rockwell Collins. Melton — a production manager in Melbourne, Fla. — had plans to earn a master's degree, and he knew that after one year at his job, he would be eligible for our company's tuition reimbursement benefit.

"Knowing that the company had a very healthy tuition reimbursement program was one reason I was drawn here," said Melton.

Shortly after he joined Rockwell Collins, Melton discussed his goals with his manager, and then contacted Tuition Advisory Services (TAS), an external resource designed to help employees research schools and map out programs of study.

A TAS enrollment counselor helped Melton determine that it made sense for him to pursue a Master of Business Administration (MBA) degree and recommended several area schools. The counselor also explained the amount of financial support available through Rockwell Collins' tuition reimbursement program.

Start with your leader

According to Anita Augustine, director of the Rockwell Collins University, most employees use our tuition reimbursement program to pursue MBA, Master of Engineering or Master of Computer Science degrees.

However, she emphasized the importance of finding a degree program that fits in with your career goals.

"What's important is that employees talk with their leaders before and during their enrollment in a program," said Augustine. "Draft a plan and work together to find a balance between work commitments and classes."

Melton's manager, Lisa Andrade, knows what finding that balance requires from her own experience working full time while taking classes.

"It's not easy," said Andrade, an operations manager. "You need your family and your company's support, and that includes flexibility from your manager."

Since Andrade received her advanced degree, she's worked in management roles with increasing responsibility. As Melton takes the first steps toward earning his MBA degree, he also looks forward to how it may help his career.

"Right now, my skill set is not on par with my ambition," said Melton. "I hope an MBA degree will help me become more well-rounded." •

By Katie Shatzer

Tuition reimbursement is a benefit available to qualified part- and full-time U.S. employees. To learn more, visit Rockwell Collins University via Rockwell Collins Online or email rockwellcollins@tuitionadvisory.com.

Navigating for the future

As a new era of global satellite navigation unfolds in Europe, Rockwell Collins employees in Reading, U.K., are leading the way.

Satellite navigation technology reaches from the everyday to the spectacular — from guiding soldiers blinded by a sandstorm to directing an Unmanned Aerial Vehicle (UAV) landing on a small island.

In the 1980s, Rockwell Collins helped begin a revolution in navigation technology by proving the potential of the United States' Global Positioning System (GPS). Now, Rockwell Collins joins Europe in its leap to establish its own satellite system, Galileo, by developing interoperable receivers.

"We have a history as the premier military GPS provider in the U.S., as well as the expertise to develop Galileo solutions for our European customers," said Guy Buesnel, the European Global Navigation Satellite System (GNSS) Product Line Manager at Rockwell Collins in Reading, United Kingdom. "Galileo and GPS are separate systems, but they can complement each other."

A constellation is born

Since the advent of satellite navigation, Europe has used GPS and Russia's GLONASS (GLOBAL NAVIGATION Satellite System) constellations — or groups of satellites. According to Buesnel, Galileo will change that.

"It gives European users a degree of independence from relying on GPS," he said. "It will be simpler for them to change or update technology, or change the signals available."

Additionally, Galileo will provide improved satellite coverage in urban and mountainous

areas, and support satellite navigation in commercial air transport.

Independent yet complementary

Recognizing the importance of interoperability between Galileo and other constellations, Rockwell Collins engineers in the U.K. began to explore how existing Rockwell Collins GPS receivers could be augmented to pick up Galileo signals.

To start the development process, Buesnel and David Hagan, a senior systems engineer in Avionics and GNSS Solutions in Reading, worked with a global team of Rockwell Collins subject matter experts. Together, they created a roadmap for the phased development of an interoperable, multi-constellation receiver.

Within four months, the U.K. team completed the first phase. The team hopes to complete the next phase during FY'12, when they plan to demonstrate the receiver to European regulatory authorities.

"It's important that European institutions offering research and development funding perceive Rockwell Collins as an international organization with strong European development capability," said Hagan. "We need to show what Rockwell Collins is doing in Europe." ■

By Katie Shatzer

Senior Systems Engineer David Hagan is part of the U.K. team developing interoperable navigation receivers that will work with Europe's Galileo satellite system and the United States' Global Positioning System (GPS).





Refueling innovation

Inspired by in-house technologies, Rockwell Collins employees took a collaborative approach to design cost-effective solutions for the KC-46 tanker.

Military aircraft that perform attack, reconnaissance and air defense missions are known for speed, maneuverability, superior weapons systems and stealth. Yet, without the tanker's aerial refueling capabilities, these aircraft wouldn't have the military might to respond quickly to a conflict or crisis anywhere in the world.

When Rockwell Collins employees constructed proposals for Boeing's new KC-46 tanker for the United States Air Force, they were intent on modernizing aerial refueling operations. Technology and geopolitics have changed a lot since the Cold War era when the current tanker — the KC-135 — was initially deployed. After looking at requirements and working with internal experts, engineers envisioned high-tech and cost-effective solutions for the new tanker that would benefit all U.S. forces for decades to come.

"Other companies' engineers might falter at where to start," said Steve Keane, director of Tanker and Transport Advanced Solutions. "But this is Rockwell Collins, and integrating complex systems for extreme situations is what our engineers do."

A clear view

From his experience with flight tests and operations on KC-135 upgrade programs, Keane understands the technological leap Boeing and Rockwell Collins are making with the KC-46.

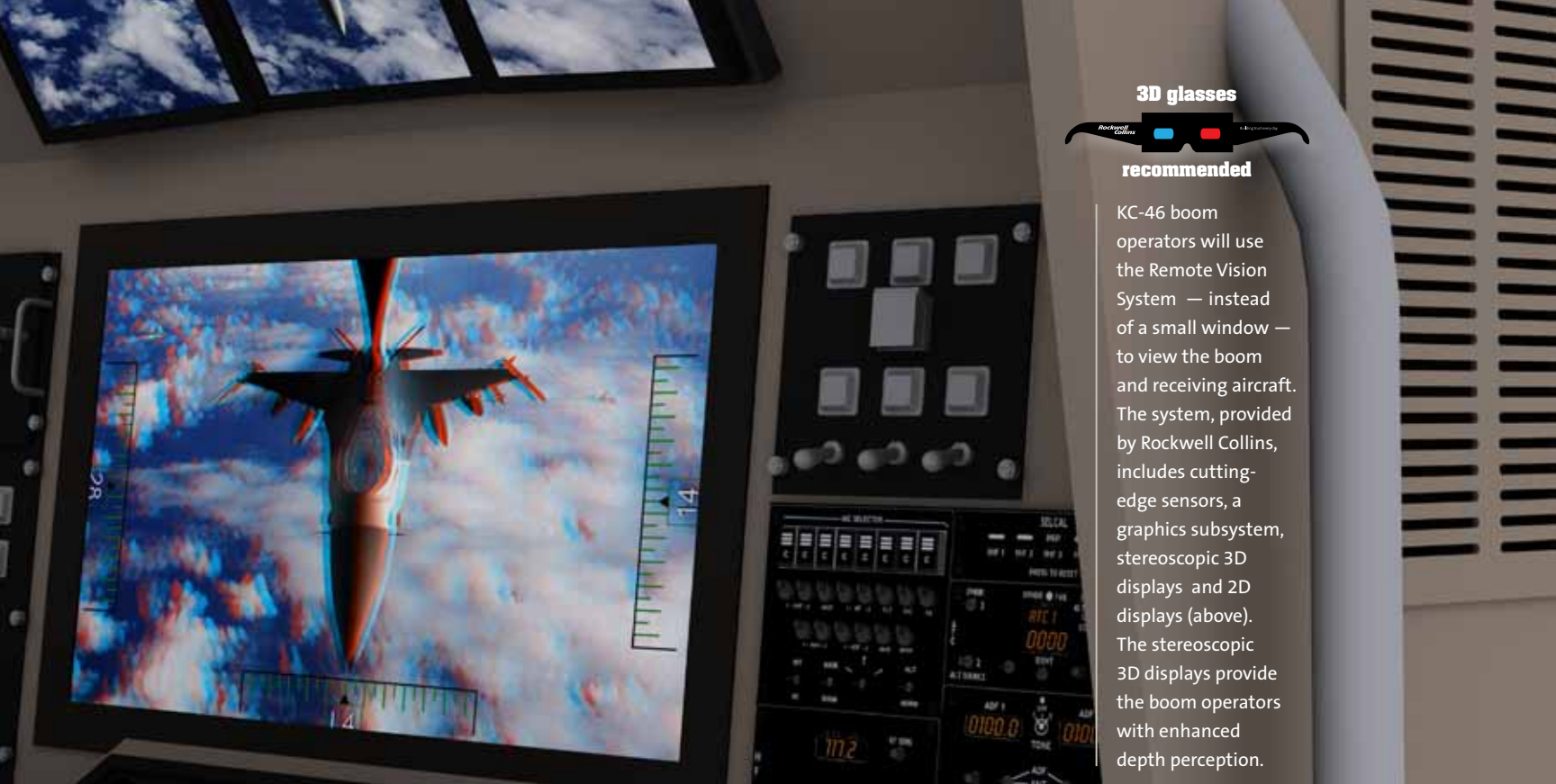
For example, the Remote Vision System (RVS), which allows crew members to accurately view the physical fuel boom and refueling status data, will include cutting-edge sensors, a graphics subsystem and stereoscopic 3D displays to allow the operator to control the aerial refueling boom. The RVS is one of many systems Rockwell Collins is providing Boeing.

"The tanker's primary mission is refueling," explained Keane as he flipped through an album of photos portraying refueling operations on a KC-135. "It's a difficult job that requires a clear view and accurate depth cues in all conditions."

In the photos, Keane showed how a KC-135 boom operator currently conducts this aerial ballet while lying face down, peering out a small window to guide the boom into the receiving aircraft. He explained that with the RVS, refueling will become more like a video game — an operator will watch a large stereoscopic 3D display to connect the boom to the receiving aircraft.

"It's critical to have those 3D depth cues so operators can guide the boom into the receptacle," said Gladys Yanez, a systems engineer on Keane's team, working on the RVS in Cedar Rapids, Iowa.

"We're using proven technology to develop an imaging solution that has never been done before," said Yanez. "That's what is exciting."



3D glasses



recommended

KC-46 boom operators will use the Remote Vision System — instead of a small window — to view the boom and receiving aircraft. The system, provided by Rockwell Collins, includes cutting-edge sensors, a graphics subsystem, stereoscopic 3D displays and 2D displays (above). The stereoscopic 3D displays provide the boom operators with enhanced depth perception.

Evolved from a robot

Many times, inspiration begins by taking technology already available and adapting it to the challenge at hand. This is exactly what happened with the RVS.

During the early stages of the proposal, the team contacted employees in Carlsbad, Calif., and Warrenton, Va., who worked on optics for the Mars rovers and unmanned aerial vehicles, respectively. They also reached out to employees in Portland, Ore., hoping to draw upon their experience with head-up displays, along with the Head Down Display Center (HDDC) in Cedar Rapids.

“A remotely-operated bomb-disposal robot in the HDDC sparked the idea for the RVS proposal,” said Yanez, who has been at Rockwell Collins for four years and is quickly becoming an expert on imaging technology. “The stereoscopic 3D display used for the robot helped us develop a solution that would work for the RVS. It was as if we started with a puzzle we had already put together, and then thought about how we could adapt those pieces to meet a new customer need.”

At the same time, the RVS team evaluated the Air Force’s requirements to design a long-term cost-effective solution. One of these requirements was ruggedization — a process that distinguishes military 3D technology from that used commercially in products like televisions.

“Consumer commercial technology couldn’t withstand the environmental factors the technology on the tanker will endure under normal operating conditions,” explained Yanez, pointing to a consumer digital camera as an example. “If you put your camera in the freezer — temperatures that the RVS sensors will routinely experience — it probably won’t work anymore. So we ruggedized each piece of the RVS, which was challenging, but something Rockwell Collins knows how to do well.”

Collaborative relationships

Along with the RVS, Rockwell Collins is providing the large-format cockpit display system, tactical situational awareness system, autopilot flight director system, military and commercial navigation sensors, military and commercial communication radios, the signal data converter network, onboard maintenance system and data transfer unit.

To develop these solutions, more than 200 Rockwell Collins engineers will be assigned to the KC-46 program. And while the overall program is managed by Government Systems, it includes engineers from other areas of our company.

Lisa Steffen, formerly the Commercial Systems principal engineering manager for the display program for the Boeing 787 Dreamliner, led the proposal for the

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The cockpit display system on the KC-46 is modeled after the displays on Boeing's 787 Dreamliner. Lisa Steffen (front) demonstrates the features of the large display system to Gladys Yanez (left), Steve Keane, and AJ Lindaman.

large-format cockpit display system on the KC-46. According to Steffen, Rockwell Collins submitted a proposal so that the physical displays and features on the new tanker would mirror the Dreamliner.

"The wide displays on the 787 are well received by pilots, and our proposal will provide some of the same features on the tanker," explained Steffen. "We've built a collaborative relationship with Boeing, from their engineers to their leadership. That has led to a lot of strong working relationships."

Integrating information

Of course, as a military platform, the KC-46 has unique requirements for tactical information. That's where Rockwell Collins' datalink integration team comes in. For the past

four years, a team in Richardson, Texas, has been developing datalink and situational awareness technology for multiple programs, including the Tactical Situational Awareness System (TSAS) processor and display for the KC-46.

"Our team has experience with multiple tactical datalinks and has grown in size to support this and other future datalink programs," explained Technical Project Manager Kimberly Frank, whose team will include more than 35 people from Richardson at the peak of the program. "With TSAS, we're providing a new level of capability with improved situational awareness that helps tanker pilots identify other aircraft and threats."

The KC-46 program brings some additional challenges, due to the amount of information from multiple sources that must be correlated and displayed to the tanker crew.

“We’re experts at being able to display that information in a way that can improve pilots’ situational awareness without overwhelming them,” said Josh Brinkley, a senior software engineer behind the TSAS software built on the Rockwell Collins OpenEdge™ product line. “As a team, we analyzed the requirements and architected a solution to provide a tactical situational awareness system that minimizes aircrew workload as well as enables tanker crews to make more informed decisions.”

During the proposal phase, the team discussed how to meet requirements while also providing the best technical solutions for the lowest cost. Employees who had previously worked on digital mapping solutions, datalinks, military radios and OpenEdge software were consulted. These employees

provided best practices for receiving, processing and displaying information. Brinkley’s team also turned to the Advanced Technology Center (ATC) for innovative technology when an aircraft needs to be rerouted in flight due to pop-up tactical threats such as surface-to-air missiles or hostile aircraft.

Dr. Ryan Young, a principal systems engineer in ATC, has been leading an internal research team to develop Airborne E*, a technology that will be used on KC-46 tankers to automate the threat assessment and avoidance tasks.

“Currently, when pilots determine a reroute is needed, they also need to decide what maneuver should be performed to safely avoid pop-up threats as well as terrain and surrounding traffic,” explained Young. “Our automatic rerouting technology shows how technology developed through internal research helps us win programs.”



Josh Brinkley, Dana Williamson and Kimberly Frank (left to right) discuss best practices for receiving, processing and displaying information so that tanker pilots can easily identify other aircraft and threats via the KC-46 Tactical Situational Awareness System.

A new generation

At the end of February, soon after the U.S. Air Force announced the selection of the Boeing Company to provide the KC-46 tanker, Brinkley received several instant messages from his fellow engineers.

Many employees had followed the tanker’s decade-long competition. Weeks before the ink dried on our company’s contracts, they were eager to start work on TSAS solutions that would help the warfighter —

today and in the future.

“The OpenEdge software architecture in TSAS allows the customer a lot of flexibility and capability for growth potential,” explained Brinkley. “It’s very easy to add new capabilities to TSAS; if a customer updates or adds new hardware in the future, the application can

be easily modified based on the modular design of the OpenEdge software.”

Already, the datalink integration team is testing the software on new hardware platforms, including smartphones and tablet computers that run the Android™ operating system.

“The scalability of the OpenEdge architecture is really what makes TSAS such a cutting-edge setup for military applications,” explained Frank. “It’s possible for a soldier on the ground or a sailor on a ship with a smartphone to see the same tactical picture as the pilot in the tanker.”

Asked about the future, Brinkley responds with an answer typical of employees on the KC-46 tanker program these days.

“We’re ready to execute on a program we’ve been waiting years for,” he said. “It’s a very exciting time.” ■

By Katie Shatzer and Crystal Hardinger

Why 3D?

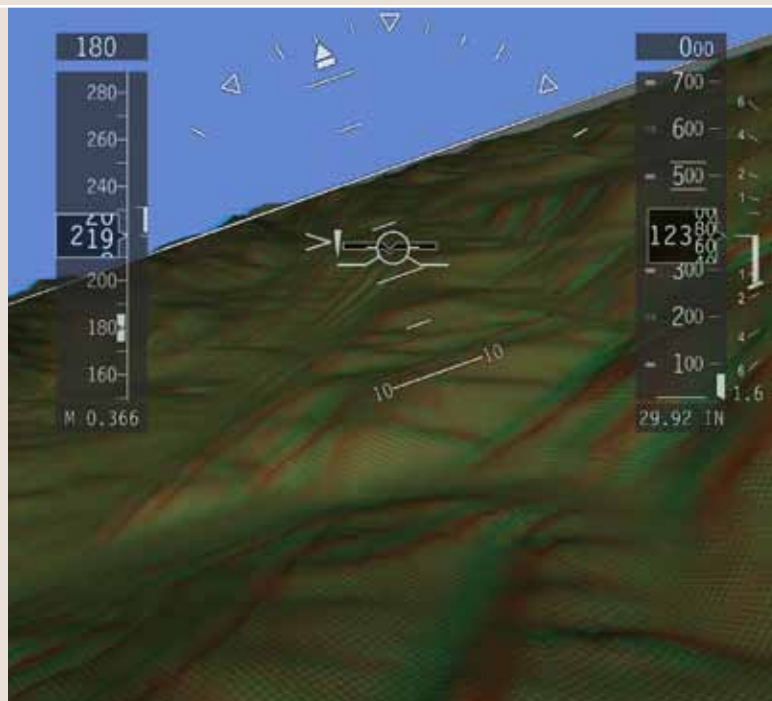
Right now, stereoscopic 3D, or S3D, is one of the hottest trends in Hollywood. It's been cropping up everywhere, from animated and live-action movies, to video games, to laptop computers specifically developed for S3D viewing.

So given the enormous appeal of S3D, it should come as no surprise that Rockwell Collins is researching the benefits of this evolving technology for future applications.

"Stereoscopic systems allow us to use our natural depth perception," explained TJ Barnidge, a senior material and process engineer in the Head Down Display Center. "This can make certain tasks easier to perform."

For most people, it's easy to understand why S3D is appealing for the entertainment industry. Here, three examples demonstrate why it makes sense for our industry.

Note: A small percentage of the population is not able to perceive depth when viewing S3D content due to impaired stereoscopic depth perception.



Improves situational awareness

With stereoscopic vision, the brain can more easily separate a complicated image and better comprehend spatial relationships between objects. This helps reduce visual workload and allows people to more rapidly focus on critical information at various depths.

That's why stereoscopic vision could be beneficial for Rockwell Collins' Synthetic Vision System and similar

applications. Today, synthetic vision provides a three-dimensional image of the earth's terrain, obstacles and airports to improve a pilot's situational awareness. By adding stereoscopic vision to current synthetic vision technology, situational awareness is taken to the next level. The prototype images above — developed by the Rockwell Collins Advanced Technology Center — show the difference between synthetic vision with and without S3D.

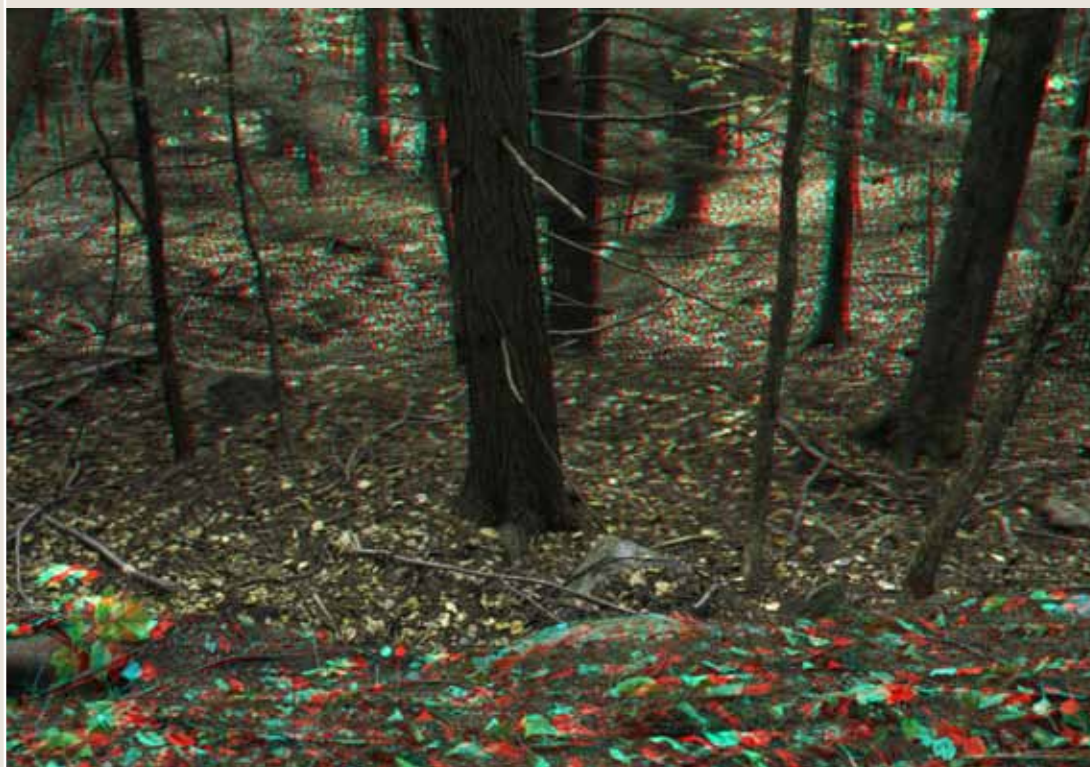


3D glasses recommended



Enhances spatial recognition

Stereoscopic vision helps expose potential hazards not easily detected with conventional 2D systems. If you were remotely operating a ground vehicle through this scene, which view would you prefer?



Helps decipher poor-quality images

S3D glasses enable the eyes to each see a different image. The illusion of depth occurs when the two eyes see an object differently and the brain combines the two perspectives. In our industry, different angles of view are particularly helpful when people have to decipher images of reduced quality due to interference or lack of color. This image, taken behind Building 192 in Cedar Rapids, Iowa, during a test, helps illustrate the different angles of view.

- Look at the image with the 3D glasses.
- Close your right eye. Watch the cloud disappear.
- Open your right eye and close your left eye. Watch the cloud reappear.

Why does this happen?

The cloud is in the right eye image but not the left eye image.

Extending a helping hand

Rusty Brown's dedication to providing disadvantaged children with homemade blankets and other necessities earned him the Rockwell Collins Volunteer of the Year Award.



Rusty Brown, a senior reliability, maintainability and safety engineer at Rockwell Collins, enjoys volunteering with others at the Coralville Ecumenical Food Pantry in Coralville, Iowa. He is the Rockwell Collins 2011 Volunteer of the Year winner for his work with the food pantry and other area non-profit organizations.

Last year, as the holiday season approached, Russell “Rusty” Brown, a senior reliability, maintainability and safety engineer at Rockwell Collins in Cedar Rapids, Iowa, planned to give a gift at a party.

It wasn’t anything significant — just extra baby blankets a friend had given him.

When he arrived at the party, he saw presents pouring out from under the grand evergreen tree. Children ran from every direction, yelling and laughing, clutching brand-new toys to their chests like they were gold. Then, a boy no taller than Brown’s thigh appeared at his side.

“Will you tie my shoe?” the boy asked.

“As I was tying it,” Brown recalled, “the boy said, ‘Put it in a double knot.’”

For most people, that moment may have seemed insignificant but, for Brown, it made him think of his favorite work of art — a statue of a man bending to tie a boy’s shoe.

And as he looked around the room at the Homeless Children’s Trust’s Community Christmas Event, he was impressed by the actions of the volunteers who had helped coordinate activities for the party and made arrangements so parents could choose and purchase gifts for their kids. He also was reminded that children whose families are homeless rarely realize they need help from others; they just act like any other kids.

Later, when Brown began handing out the extra baby blankets to the parents, he couldn’t believe the looks on the faces of the mothers.

“They didn’t expect to get anything,” said Brown, who was chosen as our company’s 2011 Volunteer of the Year. “I was hooked. I had to do more.”



Committed volunteer

With the help of area Girl Scout troops and other volunteers in the Cedar Rapids, Iowa, area, Brown, the vice president of the Homeless Children's Trust board, hopes to give away 1,000 homemade blankets at this year's Community Christmas Event to children whose families are homeless or living in transitional housing. The project, known as Build a Blanket 4 Kids, is just one of many community activities Brown is involved with.

Aside from Build a Blanket 4 Kids and the Homeless Children's Trust, Brown also is an active volunteer at the Coralville Ecumenical Food Pantry. Last year, he put on a benefit show for the food pantry and raised 10 percent of their yearly budget in one night. Additionally, Brown recently started the Corridor Volunteering Group on the website meetup.com, which currently has 30 members who dedicate some of their free time to various projects like planting trees and serving food at the Ronald McDonald House.

Able to relate

There's a reason why Brown is so involved with disadvantaged kids and area charities. At one time, he was the boy needing help tying his shoe.

"I could relate to the kids at the party," said Brown. "My parents worked very hard to provide us with the

things kids need, but I came from a struggling family."

As a teenager, Brown's extended family taught him the importance of giving back. He would volunteer with cousins and friends, helping younger kids.

"I knew quite a few kids with a lot less than I had," he said. "I tried to be some small influence for them."

His uncle, Alan Brown, formerly a designer in electrical drafting at Rockwell Collins, inspired Rusty Brown to pursue an engineering career of his own.

In 1991, after Rusty Brown completed his Bachelor of Science degree in electrical engineering at The University of Iowa, he began working as a reliability engineer at Rockwell Collins. In 1998, he completed a Master of Science degree in electrical engineering.

Today, Brown is grateful that he's in a position to be able to extend a helping hand to children, and encourages others to give back within their own communities.

"Each community must step forward together," he said. ■

By Micaela Cashman



Ties that Bind by Jane DeDecker is Rusty Brown's favorite work of art because it reminds him that he went from needing help to now being able to give help.

Volunteer of the Year finalists



Rita Gatto

Rita Gatto, a senior recruiting specialist in Tustin, Calif., is an active supporter of the Animal Care Center of Irvine. She frequently searches for stray animals, helps socialize them at the center, and

prepares them for adoption by appropriate caretakers. Gatto also served on an animal rescue team after Hurricane Katrina and supported efforts in the Cedar Rapids, Iowa, area after the 2008 flood.



Peter Kumpon

Peter Kumpon, a senior mechanical engineer in Binghamton, N.Y., is the founder and leader of a mentoring program for local elementary school children. The program was designed

to help the students build confidence and develop relationships with positive role models. To support the program, Kumpon organized a number of fundraisers – including a beard-growing contest – with his colleagues.



Designing for a global marketplace

When engineers in France began working on a situational awareness solution for risky operations, they had a global market in mind.

At the moment, Etienne Gomez, a principal program manager for Rockwell Collins in Blagnac, France, has but one goal: to provide a picture pilots have never seen before.

Using radar sensors, terrain and obstacle databases, along with unique software, Gomez and others in the Mobility and Rotary Wing Solutions group in France are currently working to develop a new level of situational awareness capabilities for helicopters and fixed-wing aircraft.

“There is a real strong global market need for a situational awareness solution for risky operations,” said Gomez, whose team is performing flight trials to test and improve capabilities. “We believe we have the right technology, and it’s not like anything else out there.”

Currently, pilots providing emergency medical services, search and rescue, law enforcement and military operations are at risk for hazard collisions, in both urban and rural environments, and especially at low altitudes, at night, and in poor weather conditions.

According to the International Helicopter Safety Team, obstacle collisions are the number one cause of nonmechanical helicopter accidents — a statistic the team in Blagnac hopes to change using our company’s latest technology.



Our latest scalable situational awareness solution for helicopters and fixed-wing aircraft provides pilots with a clear depiction of threats in all environments and in all weather conditions.



Frédéric Girbal (left), a senior software engineer, and Sébastien Laffont, a systems engineer, work on the demo unit integration in preparation for upcoming trials all over the world. Both employees are part of the Rockwell Collins Navigation Surveillance Group in Blagnac, France.

Multinational team

In 2006, engineers in France were looking at ways to take our company's experience with existing radar technology and find new uses. After the team interviewed pilots from around the world, it became clear that there was a need for a scalable situational awareness solution that could better pinpoint hazards and low-altitude obstacles in an aircraft's path.

Once the Mobility and Rotary Wing Solutions group in France had a development plan in place that included multiple capabilities, they began talking with Government Systems engineers in the United States. They also looked for ways to blend new technologies with our existing radar capabilities.

Since the group in France already had a strong relationship with a European lab that specialized in research and development for radar technology, it also made sense to collaborate with them.

"Research done with the lab helped our team implement new techniques to advance the technology," said Gomez. "From there, Rockwell Collins engineers implemented a real-time system capable of processing millions and millions of operations per second. What we're doing with radar has never been done in a helicopter or fixed-wing aircraft to date."

According to Gomez, in order to meet the most important requirements, ongoing communication with potential customers around the world was essential.

"Specifications from customers differ depending on the mission they need to perform," he said. "In order to develop a solution for customers globally, we matched the mission to the market need and put an emphasis on the needs of our largest potential customers over the long run."

Disruptive technology

Over the next few months, the Rockwell Collins team plans to put the new radar technology demo units through several rigorous trials in operational situations all over the world. The goal of these trials is to prove to customers our scalable solution, which can be implemented in 6-by-8, 8-by-10 and stand-alone displays, dramatically enhances flight safety and increases situational awareness.

Gomez said the feedback from customers up to this point has been encouraging.

"Customers' reactions have helped us refine the final product," he explained. "Since there currently is no satisfactory solution, we do believe our technology is disruptive."

Meanwhile, engineers are again thinking about how to take their experience with radar and develop new uses that would be of interest to customers.

"Our capabilities could be useful for sense and avoid applications in unmanned aerial vehicles or in ground vehicles; additional applications such as ground mapping may be of the interest to military users," said Gomez. "The market needs truly are global." ■

By Micaela Cashman



Aligning our past with the present

How does our heritage provide a competitive advantage?

Rockwell Collins Marketing
Director Bob Ellis has
witnessed the evolution of
innovative avionics systems
during the three decades he's
been with our company.

When Clay Jones walked into the senior leadership meeting at Rockwell International in Milwaukee, Wis., in the fall of 2000, he was on a mission.

Well aware of the Board of Directors' decision to make its Avionics & Communications business unit a stand-alone, publicly-traded company, Jones was intent on securing a solid name and identity.

"I told the board, 'I've got my recommended name right now — Rockwell Collins,'" recalled Jones, then president of the Avionics & Communications business unit.

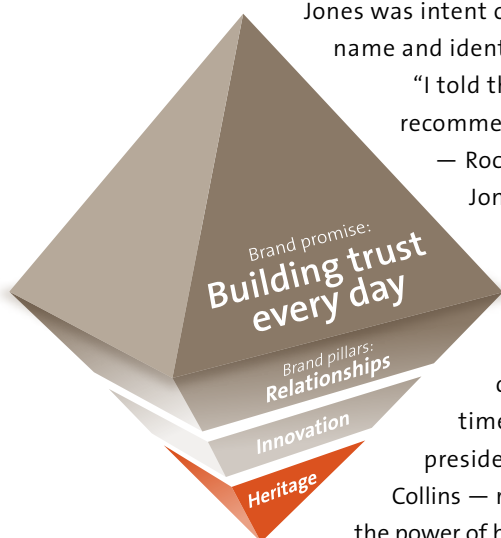
As a 22-year company veteran at the time, Jones — now chairman, president and CEO of Rockwell Collins — recognized and appreciated the power of both brands.

"Some of our customers referred to us as Rockwell, some referred to us as Collins, and some put both names together," said Jones. "Both names had great meaning, and I didn't want to lose that meaning in the negotiations for our final name."

A decade later, three characteristics — personal relationships, innovation and heritage — are embedded in our brand and distinguish our company from our competitors.

As the final in a series of articles about our company's brand, we take a closer look at the heritage of the Rockwell Collins name and what it means for the future.

"Our heritage gives people a sense of what they can expect from those carrying the Rockwell Collins business card," said Jones. "It represents decades of good work that got us to where we are today. How we maintain that heritage going forward is our legacy."



Our heritage says we're innovative

Bob Ellis still finds it amazing that what began as three weeks of new product line training at an aerospace and defense company he knew little about resulted in a 33-year career that's still going strong.

When Ellis went to work in the late 1970s for an avionics dealer in Oxford, England, he was required to learn the ins and outs of a new line of panel-mounted avionics called Collins Micro Line for the single-engine and light twin-engine market segments.

Designed and manufactured by the Collins General Aviation Division of Rockwell International, the new product line made quite an impression on the international commercial aviation audience. Ironically, Ellis also made an impression and, at the end of the three-week training class, was asked to join Rockwell Collins in the United Kingdom.

In the months to follow, Ellis began venturing to places like Africa, Switzerland and the Middle East to sell another line of Collins avionics called Collins Pro Line, which was designed for twin-engine turbine airplanes and business jets.

"Collins was a well-understood brand in the international commercial aerospace and corporate aviation market back then, so it was easy for me to make sales," said Ellis. "Rockwell was almost unheard of because it was primarily a U.S. defense contractor, but Collins had significant brand equity."

Now the director of Marketing for Flight Information Solutions, Ellis has witnessed the evolution of innovative avionics systems during the three decades

he's been with our company. The latest example, Pro Line Fusion®, our most integrated and advanced avionics system for business aircraft, is part of the long legacy of Collins Pro Line avionics systems.

Unlike some companies that have exited and others that have entered our marketplace over the years, Rockwell Collins has maintained a strong presence and continues to extend its footprint. According to Ellis, this speaks volumes about our heritage.

"There are so many significant milestones that our company has achieved over the years – the introduction of the single cue (V-bar) flight director (1960s), certification of the first category III autoland system (1970s), the transition to electronic flight displays (1980s),

the introduction of the Common Reusable Elements (CoRE) architecture (1990s), and the recent implementation of synthetic vision imaging on head-up displays," he said. "We wouldn't be where we are today without our heritage and without these innovations. Rockwell Collins was there back then, we've been there along the way, and there's still more to come in the future. That's who we are."



When Bob Ellis joined our company in 1978, he had dual sets of business cards. One emphasized Rockwell, while the other emphasized Collins. Back then, Collins was a better-understood brand in international market segments.



Visit the Rockwell Collins Museum

You can learn more about our company's heritage by visiting the Rockwell Collins Museum. Tours are held from 11:30 a.m. to 1 p.m. every Wednesday from September through May and begin at the south entrance of Building 120 in Cedar Rapids, Iowa. Large groups and people from outside our company should contact Lawrence Robinson at llrobin2@rockwellcollins.com or 319.295.1698 in advance to make security arrangements.

>>>

Our name reflects the company we are today

People buy from companies they know, prefer and trust.

The Rockwell Collins name reflects the company we are today, and conveys our value proposition to customers worldwide. By consistently using our corporate name, we build brand awareness and strengthen our global identity.

Remember, unless you're referring to our company in a historical context, always use Rockwell Collins.

Our heritage says we're focused on customer needs

Standing behind our product and making it right for the customer are things Jane Krueger believes began with our company's founder, Arthur Collins.

"Our company has always put customers first," said Krueger. "As we go forward and continue developing new products, we need to maintain that reputation."

In 1985, three years before Krueger began working at our company, Rockwell International's Collins Government Avionics Division in Cedar Rapids, Iowa, was selected to produce the first Global Positioning System (GPS) user equipment sets. At that time, Rockwell International's Satellite Systems Division in Seal Beach, Calif., was already producing satellites as part of an earlier phase of the GPS program.

Weighing more than 270 pounds, the Generalized Development Model was the first in a series of GPS technology

developments that helped secure our company's position in the multi-billion dollar GPS market segment. Since then, Rockwell Collins has introduced more than 50 GPS products and delivered more than one million GPS receivers — including the PLGR, DAGR, NavStorm™+ and MicroDAGR.

"In the GPS community, Rockwell was recognized as the leader in military GPS," said Krueger, now the senior director of Precision Navigation in Government Systems. "If our name didn't include Rockwell, we would have had to re-establish ourselves, and I think we would have lost some of our credibility."

In her current role, Krueger frequently meets with GPS customers who repeatedly express how much they appreciate our company's service over the years.

One key example of our commitment to our customers can be found with the DAGR. According to Krueger, of the last 73,000 DAGR deliveries, just one customer return has been made.

"The robustness and quality of our GPS receivers speak for themselves," said Krueger. "We've heard incredible stories over the years from people who use our equipment in the field and how that equipment has saved lives or protected the people around them."

"Our customers know that when they have a problem, we're going to jump through hoops to help fix it," continued Krueger. "They know we have the expertise and want to be part of the solution."

Jane Krueger, senior director of Precision Navigation, frequently meets with GPS customers who repeatedly express how much they appreciate our company's service over the years. In the last three decades, Rockwell Collins has introduced more than 50 GPS products — including the Ground-Based GPS Receiver Application Module (GB-GRAM) that she's holding.





Our heritage says we're reliable

Over the years, our company's reputation for quality has helped us win multiple product and system contracts — including in the Middle East.

According to David Wilkinson, a member of our International and Service Solutions sales team for Europe, the Middle East and Africa (EuMEA), our company built a reputation in the Middle East in the 1970s and the 1980s as a premier supplier of air and ground communications equipment.

Junior military officers who started out with our equipment are now in senior officer roles, and they're still choosing our company's solutions.

"These officers know from first-hand experience the Rockwell Collins brand represents a highly reliable product that performs as advertised," said Wilkinson. "Reliability is part of our heritage — it gives people a sense of what they can expect from Rockwell Collins."

As a former aircrew team member for the United Kingdom Royal Air Force (RAF), Wilkinson can easily relate. More than 30 years ago, while spending time on the C-130 and other air transport aircraft, Wilkinson

became familiar with the Collins 618T — a high frequency single sideband transceiver installed during the 1970s and 1980s on all RAF multi-engine aircraft — made by a somewhat unfamiliar defense company.

At the time, nearly all communication and navigation products were manufactured by the U.K. aerospace and defense industry. As a result, U.S.-based Rockwell International was almost unheard of.

But Wilkinson and others have built upon the reputation of the 618T so that the Ministry of Defence (MoD) recognizes the value of our brand.

Today, most areas within the U.K. MoD are well aware of Rockwell Collins because of the solid foundation laid so many years ago. In fact, our company's communications, data link, navigation and display products and systems encompass both strategic and tactical platforms in the air, at sea and on land.

"Our company's reputation for reliability is what keeps customers coming back for more," said Wilkinson. ■

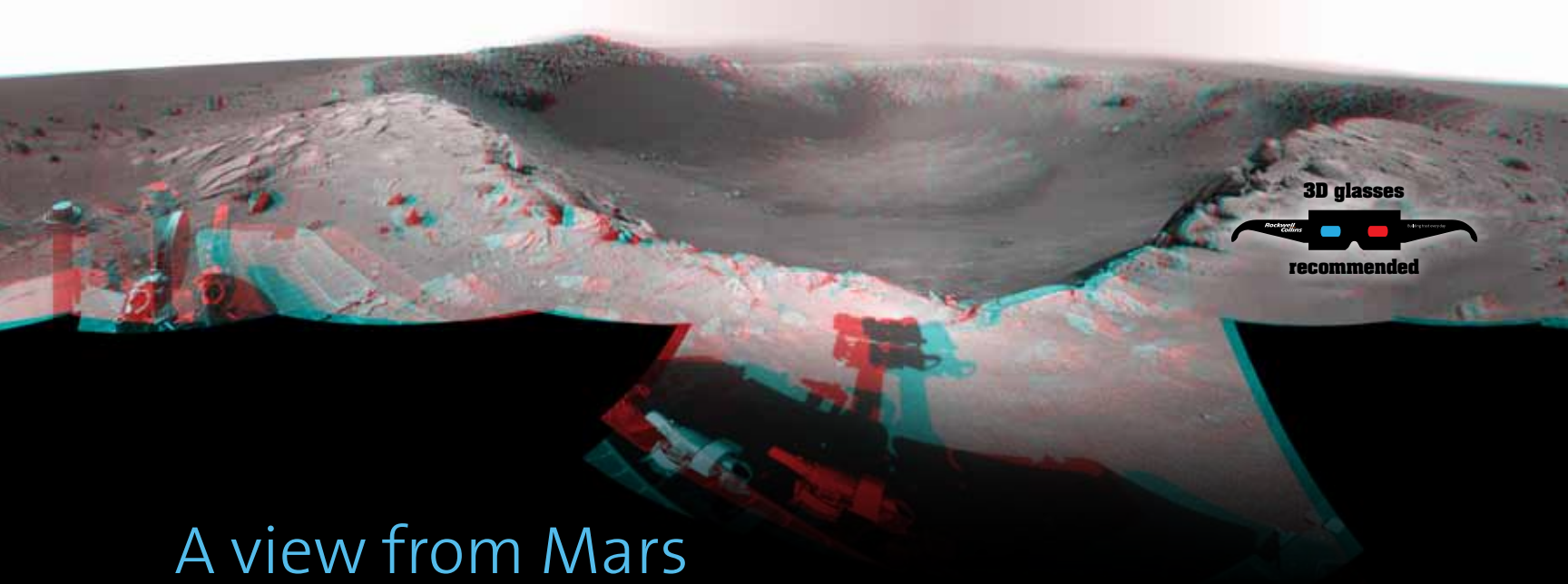
By Jill Wojciechowski

As a member of the United Kingdom Royal Air Force (RAF), Sales Manager David Wilkinson became familiar with the Collins 618T — a transceiver installed during the 1970s and 1980s on all RAF multi-engine aircraft. Years later, after Wilkinson joined Rockwell Collins, a procurement officer told him the replacement of the 618T was a low priority because it was so reliable.



A link to the past

To view a video about our company's history in aviation, search "Rockwell Collins history" at YouTube.com.



A view from Mars

Our company's lens assemblies have important roles in space exploration.

Perched on the western rim of the Santa Maria crater with wind whistling through its wheels, the Mars rover zooms in on its target.

This rover, known as Opportunity, captures yet another image of the barren and dry Martian landscape using Rockwell Collins lens assemblies. While it will take 90 minutes to send the photo to Earth, once it's there, scientists will examine it, catalog it, and add it to an ever-growing database.

"Every picture that's ever been taken by the Mars rovers was made possible with Rockwell Collins equipment," said John Fitzpatrick, a programs manager in Optical Systems in Carlsbad, Calif. "There are thousands and thousands."

In 2003, the Rockwell Collins Optical Systems team in Carlsbad provided 18 lens assemblies for the Mars rover cameras for the Jet Propulsion Laboratory (JPL), the lead center for robotic exploration of the solar system in the United States. The lens assemblies allow the rovers to navigate across Mars' rough terrain, collect geological data, capture panoramic images, and even take stereoscopic 3D images.

"We've done well in space because we know how to deal with the extremes," said Fitzpatrick. "It was always believed that dust would be the killer of the mission. But the dust isn't getting into the optics because we still have excellent imagery."

Originally slated for a three-month mission, the rovers have far outlasted initial expectations. Today, Opportunity continues to transmit data, while the other rover, Spirit, operated for more than six years.

New opportunities

The success of the Mars rover mission recently led to more business in space for Rockwell Collins. In August 2011, our company's lens assemblies were used on the JunoCam as part of the Jupiter mission. The next Mars rover, which is scheduled to be launched later this year, will again use Rockwell Collins lens assemblies.

"We've proven that we can meet the expectations of an organization like NASA," said Fitzpatrick. "Meeting the stringent requirements of space says a lot about our experience and expertise."

The spacecraft armed with the JunoCam is expected to reach Jupiter in 2016 and will provide the first three-color images of the planet, as well as investigate its ice-rock core. The mission also will involve students in the collection of scientific data.

"Our company provided solutions for the moon and the Mars explorations, and now we will be part of the Jupiter mission," said Linda Vancea, principal account manager for optronics sales in Carlsbad. "It's part of our legacy." ■

By Erica Solum

Rockwell Collins provided four separate lens designs for the Mars rovers.

Panoramic lenses on the mast of the rover allow for 3D images, navigation lenses help the rover judge distances, and hazard lenses are positioned above the wheels in order to identify potential terrain obstacles. There's also the microscopic imager, which is attached to a robotic arm that grinds away the surface of rocks. Once a fresh layer of strata is revealed, the imager can capture geological details.



STEM experiences translate to real-world results

A group of Girl Scouts from Ames, Iowa, who call themselves “The Flying Monkeys,” shared the tale of their science, technology, engineering and math (STEM) adventures over the past year at an Engineering Experiences breakfast in Cedar Rapids, Iowa, in August. Sponsored by Rockwell Collins, The Flying Monkeys received the *FIRST*® Global Innovation Award for developing a prosthetic device that enabled a toddler with a compromised limb to write.

Last year, Rockwell Collins employees dedicated 22,000 volunteer hours to inspiring students to explore careers in STEM through our Engineering Experiences program. To learn how you can get involved, visit www.rockwellcollins.com/Our_Company/Corporate_Responsibility.

Service anniversaries

Rockwell Collins offers congratulations to employees who have marked significant service award milestones in recent months.

45 YEARS

AUGUST

Lynda N. Gentry

SEPTEMBER

Joanne M. Mitchell
Barbara K. Steger
Nora F. Wade

40 YEARS

AUGUST

Frances J. Kolsrud

SEPTEMBER

Ellen Warren

35 YEARS

JULY

Howard R. Bentley
Kenneth F. Blazek
Klaus Bohlmann
Patricia J. Bulten
Jon A. Gilbert
Deborah J. Heller
Rodney K. Larson
Kevin K. Loux
Mary J. McLaren
David W. Meiners
Randy E. Moore
David O. Morgan
Gary A. Pershin
Ronald G. Redington
Keli J. Walt
Randall R. Wilke

AUGUST

Gary Hamer
Jeffrey L. Hudson

Uwe Kroen

James L. Lane
Marlene A. LeMont
Paul D. Pospischil
Robert M. Sheffler
Karin Strauch
David L.
Van Dusseldorp

SEPTEMBER

Redge G.
Bartholomew
Robert O. Butler
Doreen K. Harrison
Shelia G. Keith
Jeffrey P. Kline
Kenneth R. Knight
Frank E. Koenig
Sigrid Koessler
Friedbert
Oestringer
Juergen Rettig
Judith M. Roedema
Judy Smith
Robert E. Wadell

30 YEARS

JULY

Marco A. Baldi
Layne D. Brooks
David B. Davis
Deborah L. Endres
Fredric R. Gruendell
Dickie E. Hooten
Linda A. Lennon
Kristine A. Malatek
Sheila K. Mathews

Tammy E. Mowrer
Shirley M. Pasker
Bernd Radecke
Susan Simmons
Kenneth E. Smith
Timothy E.
Snodgrass
Cynthia J. Temple
Donna L.
Troublefield
Kevin D. Walters

AUGUST

Robert L. Anderson
Lowell L. Buchholz
Melissa V. Butler
Albert J. Caliendo
David A. Cudworth
Daniel E. Cudworth
Irene G. Dulin
Sharon D. Duncan
Gaye A. Einck
Thomas A. Frost
Thomas L. Hauber
Thomas R. Kerner
Jenny M. Klotzbach
Jennifer L. Kramer
April M. Meader
Kimberly A.
Misel-Scott
Lori E. Ohlhauser
Rudolph Ramirez
Daniel Sentoure
James M. Tedesco
Janet A. Teslow
Brenda K. Warner

CELEBRATING 45 YEARS

Joanne M.
Mitchell

Start date:

September 1966

Original position:

Plastics department

Current position: 333C-Plater Etch

Operator in Fab Finishing-247

What was your most challenging project? Working on a NASA space shuttle program meant three grueling weeks of training to become solder-certified for space. I passed, but it was the most difficult training I ever went through. ■



25 YEARS

JULY

Cheryl F. Ahlrichs
Patricia L. Ashlock
David W. Asman
Guadalupe Astorga
Diaz
Mark J. Bartelme
Brian S. Bullington
Rhonda L. Cahoon
Luis Cob
Martin S. Frasher
Corinne Guibert
Harald Heimpel
Lee M. Keuter
Robert J. Kirby
Michael Lundy
Alan L. Mahoney
Randy D. Narveson
Jack Primault
Kerry R. Reisen
Barry L. Roberts
Thomas D. Sanders
William J. Schuyler
Timothy D. Stepp
Robert Wolf
Renee L. Woods

AUGUST

Lonnie N. Adams
Stephen J. Banham
Mark Bonifacii
Steven K. Brown
Linda L. Dart
John L.
Frankhouse, Jr.
Daniel J. Goiffon

SEPTEMBER

William P.
Armstrong
Kathleen J. Bell
Cynthia A.
Bonebright
James E. Brooks
Ronald C. Dean
Sharron G. Dennis
Mary B. Dostal
Robert C. Flint

Andreas Graf
Nathan A.
Hendricksen
Edward Marquez
Elias H. Orta
Lew D. Schatten
John R. Todd
Rena M. Williams
Kenneth A.
Zimmerman

Korry L. Hein
Deanna M. Holtzman
Patrick Y. Hwang
Joseph E. Kopish
Thomas S. Law
Matthew G. Maynard
Robert E. Meikle
Rhonda M. Meiners
Steven A. Milbach
Gregory M. Pollari
Ryan J. Rand
Billie E. Smith
Mary Jo Thurn
Richard L. Tomy
Deborah L. Williamson
John R. Wood
Bruce Woolstenhulme

SEPTEMBER

Gary J. Albert
Donna M. Bandy
Julie A. Bellendier

Michael C. Garrett
Albert A. Giegerich
Timothy E. Gifford
Sandra L. Grant
Jon B. Hamann
Elizabeth A. Heinig
Dena L. Hendrix
Pamela K. Kiefer
Joachim Kohler
Maureen A. Lehman
LuAnn Manson
Uwe Mehren
Wolfgang Merrem
Brian L. Miller
Richard E. Miller
Dan E. Novinger
Ronald J. Pelusi
Todd J. Ramsey
Lori L. Robinson
Christopher A. Sather
Steven I. Schick
Shawn L. Shiley
Bonnie J. Stewart

Belinda L. Banks
Patrice Bourrier
Roxie A. Davis
Muriel Deffore
Kathy S. Gavin
Anna M. Heiserman
Karen K. Hendrickson
Richard L. Jenkins
Rick N. Johannsen
Douglas R. Johnson
Edward A. Johnson
Kerry L. Klein
Laurent Malliet
Octavian I. Popa
Kirk E. Reynolds
David C. Schroeder
Kevin D. Sempf
Mark S. Shanks
Roger K. Shultz
Karen M. Spading

AUGUST

Joan M. Barth
Hubert Birbes
Robert I. Bowen
Scott D. Bruner
George G. Cox
Ruth D. Fleming
Ema D. Graham
Bryan D. Grunewald
Fernando J. Hernandez, Jr.
Carrie L. Hoover
John R. Howell
George S. Lindsay
Kathleen C. McAteer
Mark V. McPeck
Rafael J. Monte
Kathy Schumacher
Jonn D. Strausser
Paul E. Thompson

SEPTEMBER

Robert R. Ankeney
Laurent Cardon
Denise A. Chesmore
Richard C. Elliott
Dominique Favre
Pamela R. Haas
Robert J. Hickey
Thomas R. Hobson
Terry L. Hoffman
Anthony V. John
Ludovic Kaman
David V. Kazanovicz
Stephanie Keuerleber
Steven P. Miller
Debra L. Nelson

Sandra K. Phelps
Doris M. Sommers
Bryan J. Till
Timothy R. Vezina
Uwe Wallenwein
Andrew R. Watson
Peter F. Webb

15 YEARS

JULY

Espen C. Anneling
Timothy F. Bartholomew
Kristine N. Bell
George M. Berry
Mark A. Bobbin
Kevin L. Boomgarden
James D. Cahoon
Lisa M. Coffin
Kelly G. Dalton
De Etta L. Dickerson
James M. Eichstadt
Pedro L. Encarnacion
Timothy D. Erenberger
John E. Ferguson
Alma D. Franco
Gary B. Green
Patti A. Groff
Curtis W. Hicks
John R. Hill
David J. Holtz
Rudolph Jara
Evie R. Johnson
William R. Johnson
Carla M. Lankester
Thomas N. Larson
Choy Wan Lee
Gregg R. Lind
Daniel E. Martin
Kari L. McGregor
Martin G. Mills
Stephen D. Novey
Charles S. Paramore
Jill M. Petersen
Judy F. Phelps
Angela B. Pittman
Linda M. Pratt
John J. Schroyer
Adam A. Schutte
Kevin Shoubridge
Randy A. Simonsen
Andre L. Smith
Stephen R. Spitz
Serge Trouin
Patrick P. Wallace
Edward D. Walsh

Chad M. Weber
Mark W. Weikel
Steven M. Whalen
Matthew M. Wilding
Douglas W. Wolcott

AUGUST

Michael E. Alepra
David P. Bauer
Kevin E. Baughn
Traci L. Beitzel
Jeremy J. Bergh
Hercilia J. Butler
Norma L. Cadena
O'Connell
Charles J. Campbell
Gay A. Carpenter
Kevin D. Coates
Mary M. Colon
Rosemarie C. Conner
Alan L. Duncan
Eric W. Dunn
Ronald L. Durant
Steven C. Erwin
Michael G. Farley
Jennifer L. Fisher
Frank M. Gilroy
Dina R. Gray
Donna J. Hanna
Jeffrey W. Hawkins
Brendan T. Howard
Brad J. Jansz
Marcie G. Jean
William E. Jordan
Brian L. Kreger
Robb A. Lassen
Tim M. Lawless
Kai Lai Leong
Benjamin R. McAllister
Julie G. McInroy
Jarad W. Miller
Horace L. Pereira
Ernesto Perez Hernadez
Duane E. Peters
Lillian L. Peters
Debra K. Powers
Jeanne O. Pratt
Steven Reyes
Dennis P. Ricke
Theresa M. Robertson
Sergio Santoyo Ortiz
Lori J. Sipper
Rochell I. Soltau
Kevin W. Stopko

Thomas L. Stoppeworth
Donald A. Stratton
Keith D. Tindall
Carol L. Tuley
Kenneth J. Webb
Lloyd V. Whiting II
Pedro Ismael Zaragoza Blanco
Chongwu Zhong

SEPTEMBER

Gregory A. Arundale
Claudia A. Brown
David J. Butcher
Gary E. Cameron
Brian J. Collins
Craig L. Colwell
Charles C. Cooling
Patricia A. Corbett
Robert F. Corkin
Francisco Delgadillo Gutierrez
Neil Elliott
Maria Isabel Flores Vargas
Kristian B. Fosse
Bruce R. Gelder
Joel T. Gillett
Kurt A. Graber
William D. Hannen
Maria Guadalupe Haro Rosas
Bryan L. James
LuAnn Jensen
Michael L. Johnson
Douglas M. Kirk
Pamela K. Letsch
DeAnna M. Losey
David J. Lynott
Quintin V. Mancilla
Janet M. McClain
Todd M. Petersen
Adriana Mercedes Ramirez
Donald L. Roberts
Armando M. Rodriguez
Robert A. Roslawski
Lisa M. Schreihart
Kirk R. Scott
Peter J. Shaw
Chris R. Simons
Michael S. Smith
Dennis W. Snyder
Bruce E. Thompson
Martin Valdez Salgado
Claudette M. Walker
Timothy C. Wallace

CELEBRATING 35 YEARS

David Van Dusseldorp

Start date: August 1976

Original position: GPS Receiver
Engineering in the Collins
Government Avionics Division

Current position: Technical Project
Manager in Precision Strike
Engineering in Government Systems

What is your proudest accomplishment? Being a member of the GPS teams that started with a new system concept, believed in what it could do, and ended up fundamentally changing the world. ■

Julie Booth
Michael J. Caldwell
David R. Campbell
William L. Cronbaugh
Scott A. Daugherty
Barbara J. De Long
Michael D. Dillavou
Renee R. Frazier

Eric Thomazeau
Peter C. Tushar, Jr.
Sylvan C. Weis
Larry L. Young

20 YEARS

JULY

Matthew D. Bamford

Mark S. Webber
Patricia J. Woods
Adam A. Zimmerman

10 YEARS

JULY

Kenneth R. Anderson
Barry J. Berg
Timothy I. Blevins
Rolf Boehler
Michael P. Bongiorno
Frédéric Brun
Bruce R. Bullard
David P. Carter
Gary R. Chadick
Craig E. Chambers
Daniel J. Clark
Olivier Dalla Rosa
Christine A. Davis
Benjamin De Souza
Philip D. Dean
Stacy K. Duehr
Régis Garau
Yannick Garriguenc
David I. Han
Matthew R. Hubbell
Raymond E. Kennedy
Fabienne Llorens
John J. Mccorrey
Marina Mitrovic
Myles E. Mongar
Kevin G. Mortensen
Lenard E. Noice
Susan M. Olson
Todd D. Peterson
Kathryn T. Ramsey
Alexander D. Reid
Michael A. Rigsby
Steven J. Robbins
Merritt W. Robertson
Mark V. Ryan
Bruce A. Shauger
Edward Slaby
Chan L. Seoung
Scott W. Stadelmann
Clayton C. Stephens
Thomas D. Wahlstrom
Douglas E. Webb
Wayne H. Weeks
Joon Sang Wong

AUGUST

Johnny Alves
Jeronimo
Steven V. Auchter

Brett J. Carlson
John M. Carter
Yannick Cornu
Lionel Darrieutort
David W. Davis
Timothy J. Drahos
Stéphane Dupuy
Rachid M. Elkhatib
Barbara L. Elsbernd
Belinda M. Fiacco
Jamie J. Fisher
Sébastien Gay
Darcy E. Grimm
Ronald J. Hoebeck
Gregory A. Hopkins
Srikanth C. Kamineni
Jared M. Kesling
Moris Y. Koriel
Carol L. Lemieux
Oliver Manz
Analisa S. Marquardt
Michael K. McGuire
Patrick D. Miller
Sébastien Montrozier
Jason L. O'Connell
Carmen Ravasz
John M. Reyland
Ralf Ritter
Richard T. Siefers
Marek J. Siwiak
David W. Snow
Bruce H. Stetler
Chen Tian
Anthony A. Trujillo
Sherry L. Webber
Martina Weber
Bauer
Mary B. West
Jennifer L. Whittenbaugh
Michael T. Yamagata

SEPTEMBER

Timothy L. Adkisson
Ludovic Almiento
Brian Ayres
Thorsten Benz
Eduardo Bernal Garcia
Jesse C. Bringas
Quan S. Bui
Malcolm S. Burns
Claudine Chadebec
Marianne Chiorozas
Andrew Clements
Richard Counts
Michael L. Cox

Jason K. Dahlstrom
Manuel Diaz
Alan J. Elmer
Bernd Gerlach
Justin P. Gibson
Rebecca L. Haberstroh
Johnny W. Hill
Thomas M. Horner
Jeffrey P. Kolm
Anthony D. Kuker
Joseph A. Lahart
Thomas A. Ligon
Steffen Lortz
Rodney G. Love
Guillaume Mahieu
Deborah A. McIntyre
Thomas J. Minarcin
Praveen Mishra
Ted O. Mundelein
Matthew J. Nelson
Nhi P. Nguyen
Jonathan M. Pavia
William C. Pearson
Tony W. Potter
Jeffrey D. Printy
Aaron F. Rath
Philippe Rouquiere
Philip J. Scarfield
Lora L. Scheckel
Traci N. Schlemmer
Jennifer J. Simmons
Jesse W. Soden
Gabriele Strauss
Joseph M. Strenecky
Thierry Teres
Robert J. Thomas
Milagritos Zarate

5 YEARS

JULY

Vedran Alagic
Charlene L. Anstett
Richard C. Atkins
Aaron B. Austin
Sophie Beaujan
Fawn L. Beckham
Carol A. Beeh
Leticia Bello Valdivia
Denise M. Billings
Hocine Boumaza
Sherin J. Brunker
Scott D. Butler
Stefanie A. Cannon
Elizabeth M. Cazares
Maggie I. Chen

CELEBRATING 35 YEARS

Uwe Kroen

Start date: August 1976

Original position: Operations

Current position: Principal Marketing Manager for Precision Strike

What is your favorite aspect of your current position? I can bring my ideas into the organization and contribute to the future success of Rockwell Collins. ■

John H. Collins
Andre Colmant
Carmen M. Colon
Clare E. Davis
Catherine O. Demps
Brent A. England
Lu Z. Fields
Roberto Filocamo
John W. Finfrock
Marcela V. Garcia
Brent J. Gassman
David A. Goldberg
Christian M. Griffith
Inez L. Gronewold
Simon A. Grosvenor
Stephen F. Guillot
Keith W. Hartnell
Lee A. Hauser
Yonah Her
Aaron R. Holland
Jodi M. Holtz
Kaly Hong
Michelle M. Howe
Jason Y. Ishibashi
Julie K. Issa
Muhammad Fadli Bin Jaafar
Kathryn A. Janda
Bonnie J. Jessen
Christopher D. Johnson
Wade T. Johnson
Elisha A. Jones
Ronald G. Junge
Christopher A. Kamman
Tristan J. Kendall
Faraz H. Khan
Carl A. Kirkpatrick
Robert J. Klaus

James H. Knupp
Olaf Koepke
Allen J. Kopp
Kim D. Laub
Jill M. Lawniczak
Ya-Shan Lei
April S. Little
Hsien Chiang Lue
Miguel A. Lugardo
Melissa L. Lynas
Silvia D. Maass
Stephane Malepart
Edna Aide Sacnite
Marquez Ordan
Christopher M. McGuan
Jeremy S. Miller
Claudia M. Miramontes
Julia L. Mogle
James H. Morash
Matthew J. Mueller
Anwer Muhammad
Bernard D. Mungal
Lourdes Yanett C. Murillo
Raymond A. Narlock
Vladimir O. Negrón
Bren M. O'Connor
Jason C. Olmstead
Muhs
Elizabeth A. Otting
Anthony P. Overmann
BichHa T. Phan
Francois Pineda
Willis D. Potter
Kurt M. Pulczynski
Carlos C. Ramos
Richard A. Riness
Angela R. Roberts

Jose A. Rodriguez
Aaron L. Runge
Jeffrey D. Sadowitz
Kristine A. Sargent
Charles S. Scarbrough
David E. Schauer
Joshua J. Schmitt
Christopher M. Schubert
Laura J. Seay
Lokesh Shivanna
Karun Siddana
Dwayne M. Simpson
Cristina Soriano
Sarah A. Taylor-Falcioni
Andre B. Theobalds
John V. Thommana
DeShaun A. Thompson
Terry L. Thompson
Kent R. Turpin
John J. Uberbacher
Adam Uribe
Sandra Monica V. Valdez
Nancy L. Vargason
Cecile Vinges
Matthew J. Volk
Kathleen F. Voss
Lisa A. Webb
Amanda J. Westhoff
Aaron C. Williams
Carrie A. Wilson
Liza M. Wilson
Edward T. Wood
Shingo Yonezawa
Lisa R. Young

AUGUST

Kjell O. Albiñ
Gabriel Arnedo
Joshua D. Bakk
Michael B. Baumert
James R. Bovinet
Andres A. Brugal
Daniel L. Bullerman
Juan C. Candelaria
Chaun A. Carter
Fabien Casagrande
Michelle W. Chan
Daniel Y. Chiew
Darrell Choa
Elizabeth M. Collins
Nicholas C. Consalvo
Michael A. Cosman
Kendall L. Counce
Erich J. Currier

Arla E. Dawley
 Jason B. Dever
 Sonja Dieters
 Nuku M.
 Doamekpor
 William E. Duffy
 Val D. Eisele II
 Carmen F. Endicott
 Edward W. Fisher
 Ulf Folkesson
 William G. Galvin
 Martha I. Garcia-
 Wegener
 Charles P. Gilkison
 Colin D. Gillens
 Reginald C. Glaisyer
 Robert L. Grange
 Samantha A. Green
 Raymond J. Gregory
 Joseph W. Harvey
 Kurt A. Heath
 Melissa G. Herring
 Herbert D. Joiner
 Corne R. Jones
 Rachel D. Jones
 Richard P. Kaiser
 James R. Kennamey
 Ronald W.
 Langbecker
 Heather R. LaPlante
 Andrew M. Lee
 Daniel R. Levetzow
 Murray J. Lindstrom
 Laura B. Livnat
 Brian L. Logan
 Marisol Lopez
 Jerry H. Lundy
 Paul A. Lyman
 Frank E. Marcum
 Alec D. Marin
 Lance A. Maynard
 Amy L. McDonald
 Jorge Mora
 Toni M. Mrkvicka

Keat Seng Ng
 Jaime S. Nosbisch
 Carly B. Okken
 Jessica M.
 Ostrowski
 Dale L. Parker
 Clayton R. Parsons
 John R. Patton
 Ashley N. Percy
 Tania M. Pfalzgraf
 Thomas A. Porter
 Linda I. Purdy
 Alen Ramovic
 Michael W. Raschke
 Bianca Ravasz
 Damon Rutledge
 Oscar D. Sanchez
 Peggy S. Schuver
 Mark A. Schwegler
 Michael E. Sebree
 Carl S. Shank
 Mark A. Simmons
 Gregory M. Smith
 Michael M. Sparks
 Yancy D. Stearns
 Scott A. Sutton
 Thomas L. Tilden
 Mai Quynh T. Tran
 Candace D. Vargas
 Stephen C. Vella
 Ryan D. Venteicher
 Jennifer L. Wade
 Pamela J. Wallace
 Colt R. Wallace
 Joel L. Ware
 Marc S. Widick
 Tony G. Wilson
 Anthony P. Zaide

SEPTEMBER
 Florian Adam
 Jennifer K.
 Allamand

Donovan L.
 Alldredge
 Victor C. Ashby
 Steven L. Bailey
 Romain Baillet
 Jennifer L. Becker
 Firew T. Belayneh
 Destahun W. Berhe
 David M. Birken
 Dickie L. Bishop
 Catherine A. Bohn
 Pamela A. Bowlby
 Kristina A. Boyd
 Cedric Brault
 Lily M. Bridenbaker
 Micah J. Briedwell
 Lawrence W. Brock
 Mary D. Burmeister
 Shaun P. Chinn
 Karen L.
 Christensen
 River S. Clarke
 Kimberly K. Cole
 Thomas R. Cooney
 Edgar A. Corredor
 Steven P. Criswell
 Robert M.
 Cunningham
 Kasey A. Curtis
 Misty D. Dawson
 Ana Veronica O.
 Delfin
 Charles J. Della
 Porta
 Jyl M. DeMoss
 Dawn M. Donels
 Loic Dupressoir
 Fabian Erat
 Melissa D. Estes
 Louise D. Feagans
 Peter R. Fessler
 Warren A. Frank
 Alisha L. Garrett
 Angelika Gastrop

CELEBRATING 35 YEARS

Judith (Judy)
 M. Roedema

Start date:
 September 1976

Original position: Key punch Operator

Current position: Senior Business
 Integration Analyst in e-Business

What advice do you have for new
 employees? Get engaged in
 Rockwell Collins' many opportunities
 via Communities of Practice (CoPs)
 or clubs, be excited about your job,
 and contribute to Rockwell Collins
 and your community. ■



Steffen Gladki
 Mark P. Glassberg
 Karen S. Hildebrand
 Elena N. Hill-Rush
 Richard K. Hopkins
 Nenshing Hsu
 Wei Hu
 Kimberly K. Hudson
 Ronald A. Iovine
 Timothy L. James
 Wannipa S. Johnson
 Robert J. Jones
 Larry M. Jordan
 Larry C. Kelley
 Glen P. Kiss
 Katie J. Kraus
 Claire L. Kubecka
 Timo Leyser
 Sandra M. Louviere

Beatriz Adriana P.
 Luna
 David D. Markley
 Carol A. Martensen-
 Luth
 Jessica M. Miller
 Robert J. Miller
 Cecilia Mjallby
 Richard J. Musiol
 Robert J.
 Myhlhousen
 Angela L. Nott
 Michelle R. Ogle
 Mandy L. Orndoff
 Mary T. Orndoff
 Berardino Parisi
 Charles W. Parks
 Camden L. Peebles
 Robert A. Pfouts
 Ronald J. Phister, Jr.

Kyle A. Pogue
 Christopher M.
 Primeau
 Raymond E. Proctor,
 Jr.
 Marcel Reiss
 Olivier Ricci
 Derrick J. Richmann
 Angelia J. Rigel
 Veronica D. Rivera
 Shane D. Robertson
 Steve E. Rocha
 Stephen W. Russell
 Travis J. Ryan
 Peter M. Sahayda
 Kanupriya Salaria
 Edmon R. Salcedo
 David C. Schreck
 Jenny L. Sheriff
 Evans
 April D. Shircliff
 Judith A. Simon
 Anthony J. Sleezer
 Kyle B. Snyder
 Gary A. Stearns
 Gerald L. Stewart
 Jeffrey A. Stickley
 Stephanie L. Takes
 Francoise Thekal
 Amanda K.
 Thorstenson
 Layne H. Thorup
 Brent W. Tolman
 Sy T. Tran
 Daniel L. Trembath
 Jamie J. Vaske
 Heather L. Wade
 Stefan M. Williams
 Jason R. Wirth
 Anne M.
 Wiskerchen
 Avinash Yadav
 Lyle L. Zumbach

In memoriam

Rockwell Collins offers condolences to
 the families and friends of the following
 employees and retirees, whose deaths
 were recently reported.

James L. Bailey*
 Holcomb, Miss.
 Jan. 30, 2011

Dennis M. Barton*
 Libertyville, Iowa
 July 13, 2011

*retiree

Kathryn A. Bennett*
 Cedar Rapids, Iowa
 June 24, 2011

Peter M. Burtram*
 Orange, Calif.
 July 3, 2011

Cleo D. Carolan*
 Decorah, Iowa
 April 19, 2011

Frank L. Chabre*
 Claremont, Calif.
 June 11, 2011

Richard A. Dalecky*
 Cedar Rapids, Iowa
 May 30, 2011

Sylvan L. Dawson*
 Marion, Iowa
 May 11, 2011

Jack M. Fisher*
 Oshkosh, Wis.
 July 25, 2011

Clayton V. Ford*
 Lodi, Calif.
 April 24, 2011

Francis C. Hechmer*
 Sneedville, Tenn.
 May 30, 2011

Bastian Hello*
 Potomac, Md.
 Feb. 12, 2011

Diana K. Holliday*
 Marion, Iowa
 July 23, 2011

Barry L. Holtzer*
 West Lawn, Pa.
 May 24, 2011

Michael R. Homant*
 Lake Orion, Mich.
 May 24, 2011

Robert C. Jensen*
 San Ramon, Calif.
 June 5, 2011

Nancy A. Kelly*
 Cedar Rapids, Iowa
 July 26, 2011

Darlene M. Klaas*
 Cedar Rapids, Iowa
 May 6, 2011

Scott T. Knotts
 Solon, Iowa
 June 29, 2011

Vernon G. Marsden*
 Lakewood Ranch, Fla.
 Aug. 3, 2011

Retirees

Rockwell Collins offers congratulations and best wishes to the following employees, who have recently announced their retirements.

John A. Ackeret Wichita, Kan.	Tonda L. Claassen Cedar Rapids, Iowa	Kathryn S. Gritton Cedar Rapids, Iowa	Walker B. Kelly Marion, Iowa	Leonard J. Moellers, Jr. Vinton, Iowa	Alfredo Santana Laguna Woods, Calif.
John H. Ackerman Apple Valley, Calif.	Glenda L. Clark Shellsburg, Iowa	Wayne L. Groff Cedar Rapids, Iowa	Shirley K. Kemp Marion, Iowa	David P. Moos Marion, Iowa	Terrence L. Schmitt Marion, Iowa
Margaret A. Ames Westminster, Calif.	Terry L. Cole Elkader, Iowa	Barbara J. Gudenkauf Cedar Rapids, Iowa	Charles W. Kirkpatrick Fairfax, Iowa	Craig A. Mrkvicka Cedar Rapids, Iowa	Shirley A. Schmitz Palo, Iowa
Ronda R. Armstrong Atkins, Iowa	Peter F. Collins Ocala, Fla.	Gary S. Hackbarth Robins, Iowa	Mary J. Knutson Manchester, Iowa	Michael K. Musgrave Garland, Texas	Larue S. Shepard Richardson, Texas
Jill L. Armstrong Anamosa, Iowa	Donald B. Conkle Laguna Hills, Calif.	Michele M. Hartzler Cedar Rapids, Iowa	Carey G. Krull Brooklyn, Iowa	Danny W. Myers Murphy, Texas	Kulwant Singh Tracy, Calif.
Orville A. Bakenhus Elberon, Iowa	Barbara E. Conner Cedar Rapids, Iowa	Steven G. Hostert Urbana, Iowa	Edward A. Landuyt Atkins, Iowa	David P. Nessl Mission Viejo, Calif.	Gary L. Thompson Cedar Rapids, Iowa
Jacqueline Barnett Garrison, Iowa	Barbara J. Denny Solon, Iowa	Kathryn E. Hovden Decorah, Iowa	Richard B. Lohse Cedar Rapids, Iowa	Cassandra A. Norwood Rialto, Calif.	Robert R. Tierney Cedar Rapids, Iowa
John W. Baughn Clinton, Mich.	Charles A. Dewey Iowa City, Iowa	Rodney A. Hulbert Cedar Rapids, Iowa	George L. Lovato Rancho Santa Margarita, Calif.	Michael Parker Sunnyvale, Calif.	Ricky L. Tolin Haven, Kan.
Ruth E. Bensmiller Marion, Iowa	Stephan L. Dickinson Cedar Rapids, Iowa	John J. Huschka Cedar Rapids, Iowa	Michael L. Luken Cedar Rapids, Iowa	Gene S. Parker Cedar Rapids, Iowa	Raymond C. Walaska, Jr. North Liberty, Iowa
Robert J. Brice Cedar Rapids, Iowa	Michael J. Dosdourian Whittier, Calif.	Catherine J. Jackson Cedar Rapids, Iowa	Thomas H. Lynch Cedar Rapids, Iowa	Daniel J. Paukert Cedar Rapids, Iowa	Robert S. White Cedar Rapids, Iowa
Lauren F. Bullock Dublin, Calif.	Patricia J. Feller Plano, Texas	Linda S. Jennings Cedar Rapids, Iowa	Habib Maleksalhi Laguna Niguel, Calif.	Charles M. Pendleton Hemet, Calif.	James T. Williams Coralville, Iowa
Daniel A. Carda Riverside, Calif.	Alicia D. Forstner Pomona, Calif.	Sandra L. Johnson Guttenberg, Iowa	Richard C. Maret Cedar Rapids, Iowa	Nancy D. Quinn Cedar Rapids, Iowa	Donald R. Wood Cedar Rapids, Iowa
Peter M. Carter Elkhorn, Wis.	Kenneth J. Gary Trabuco Canyon, Calif.	Laura J. Jones Cedar Rapids, Iowa	Deborah S. McBride La Habra, Calif.	Carl G. Raap Cedar Rapids, Iowa	Bruce F. Young Swisher, Iowa
John A. Chihak Hiawatha, Iowa	Rodney D. Giboney Irvine, Calif.	Nancy A. Juve Decorah, Iowa	Keith V. Melford Lake Forest, Calif.	George T. Reid Morrison, Colo.	Joseph M. Zhou, Jr. Fremont, Calif.
Michael H. Cisco McKinney, Texas	Jimmy D. Graham Plano, Texas	Ed L. Kaff North Liberty, Iowa		Jinann K. Roed Waukon, Iowa	

In memoriam

Martin L. Melrose* Newark, Ohio May 27, 2011	Jason A. Mofle Tualatin, Ore. Aug. 28, 2011	Gary W. Oldham Hendersonville, Tenn. Aug. 12, 2011	Rolf W. Rasmuss* College Station, Texas May 26, 2011	Russell G. Schmidt* Springville, Iowa Aug. 6, 2011	Randy A. Simonsen Urbana, Iowa July 1, 2011
Marcelino Mercado* Reading, Pa. June 11, 2011	Rabindra Narayan Wilsonville, Ore. July 4, 2011	Danny Penzellna New Haven, Conn. Sept. 4, 2011	Joseph Richter* Newark, Ohio July 24, 2011	Jody R. Schudel Kalona, Iowa June 6, 2011	Kenneth M. Wendell* Marion, Iowa May 19, 2011
John F. Miller* Rock Hill, S.C. May 21, 2011	Patrick J. Neu* Cedar Rapids, Iowa July 8, 2011	Donald E. Petrics* Mission Viejo, Calif. June 9, 2011	Gary D. Ross* San Jose, Calif. June 1, 2011	Georg J. Schwarz* Suffern, N.Y. March 20, 2011	Ronald P. Whitson* Morrisonville, N.Y. May 26, 2011
Frank H. Mills* Rohnert Park, Calif. July 3, 2011	Lois J. Nosek Cedar Rapids, Iowa Aug. 24, 2011	Robert L. Powell* Anaheim, Calif. July 16, 2011	James G. Sawyer* Cedar Rapids, Iowa July 7, 2011	Jack R. Shatley* McKinney, Texas July 13, 2011	

**retiree*

< TODAY >

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