KCNSC REACHES MILESTONE IN DIGITAL MANUFACTURING

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HONEYWELL VETERANS BUILD TINY HOMES FOR HOMELESS VETERANS

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Pearl Harbor tribute connects generations to mission

To commemorate the 75th Anniversary of Pearl Harbor Day, Honeywell hosted a special event on Dec. 7 at the Kansas City National Security Campus. The event honored those who perished during the Pearl Harbor attack, the men and women who served during World War II and the succeeding generations of people in the nuclear security enterprise for maintaining a strong nuclear deterrent.

After remarks from Cold War veteran Gen. Larry Welch, US Air Force (retired) and other DOE/DOD leaders, guests toured the KCNSC Nuclear History Museum featuring wall murals, interactive kiosks and historical videos. More than 3,000 employees also experienced the exhibit throughout the week. Both employees and visitors noted how the event strengthened their connection to the national security mission.

Administrator Klotz tours the Manufacturing Innovation Center

During a recent visit to KCNSC, NNSA Administrator Frank Klotz toured the Manufacturing Innovation Center to learn how new employees gain critical manufacturing skills during their onboarding process. Training employees is always a top priority for businesses, but the ability to simulate KCNSC’s secure manufacturing environment with employees still awaiting their security clearances is a unique challenge for Honeywell. This area provides hands-on experience working on manufacturing processes and helps employees be engaged with the mission as soon as they are hired.
KCNSC reaches milestone in
digital manufacturing

The Kansas City National Security Campus recently celebrated its 25,000th 3D-printed piece used in manufacturing sophisticated components for our nation’s nuclear stockpile. Through digital manufacturing, as compared to traditional development processes, Honeywell, which manages the KCNSC, has saved or avoided more than $45 million in costs by capitalizing on new processes, and significantly improved the way components are designed, prototyped, and manufactured.

Digital manufacturing uses 3D printing to build products and components from digital models. A 3D printer creates components by depositing thin layers of material according to a digital blueprint, like an office printer that layers ink on a piece of paper.

The digital manufacturing process incorporates supercomputer calculations and simulations to provide better ergonomic and technical solutions to support NNSA’s missions. The technique allows engineers to design in ways that aren’t possible with standard manufacturing methods, making components that perform better and weigh less while accelerating fabrication.

“The potential impact that digital manufacturing can have on the fabrication of items is reminiscent of what integrated circuits did for electronic processes,” said Honeywell Federal Manufacturing & Technologies Chief Technology Officer, David McMinde. “The opportunities presented not only fabricate things faster and cheaper but completely change the way we approach design.”

KCNSC’s milestone 25,000th item was a critical tool designed to ensure a weapon development part doesn’t sustain damage while securely positioned during testing. It was designed, printed, and ready for testing within 25 days.

Learn more about KCNSC’s activities to support NNSA’s missions, and read about breakthrough developments in digital manufacturing and 3D printing throughout NNSA’s sites and labs.

Manufacturing Day turns into week-long celebration

The Kansas City National Security Campus celebrated National Manufacturing Day throughout the week of October 3. Typically, Manufacturing Day falls on the first Friday in October, but the KCNSC has so many manufacturing capabilities that we needed more than one day to celebrate!

Manufacturing Day is an opportunity to showcase manufacturing and recognize our workers. Employees had the opportunity to listen to speakers and attend Manufacturing Floor Presentations as well as tour the manufacturing areas of the KCNSC to learn more about the breadth and depth of our capabilities.

The most popular tours were in the Manufacturing Innovation Center (MIC) and the Honeywell User Experience (HUE) Innovation Lab (HIL) where employees are encouraged to find creative solutions for everyday business challenges.
SCMC on path to reach $1 billion in savings

The DOE’s Supply Chain Management Center (SCMC) is nearing the $1 billion milestone in savings since 2006. The SCMC has found success by combining the considerable purchasing power of the U.S. government. The Kansas City National Security Campus (KCNSC) is managed by Honeywell, which manages the U.S. Department of Energy’s Kansas City National Security Campus.

Managing risk is a best business practice at KCNSC

The Kansas City National Security Campus takes a deliberate approach to managing risk to business operations with a formal Enterprise Risk Management (ERM) system. This fall, that system was recognized as a business best practice among industry peers at an Enterprise Risk Management (ERM) system. This fall, that system was recognized as a business best practice among industry peers at the Risk Management Society (RIMS) ERM annual conference.

Rising Trendsetter receives STEM award

On September 28, Kansas City’s Central Exchange honored Honeywell engineer Kristin Murray for her significant contributions to the STEM community by awarding her the “Rising Trendsetter Award” at the annual Stemmy Awards celebration. The event puts a well-deserved spotlight on the accomplishments of women in the fields of science, technology, engineering, and math careers across the greater Kansas City area.

Senior CAD Designer Ray Rempe celebrated 59 years of service

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There have been a lot of changes since his first day at work. “I like to say I’ve had one job but worked for four companies,” said Rempe, citing Honeywell’s predecessors Bendix, Allied, and AlliedSignal. Rempe’s primary job, then and still, is designing printed circuit boards. The type of work he does has remained constant, but there have been plenty of changes. “The technology has changed tremendously,” he said. “I enjoyed designing circuits when we did it on the board – we drew designs on paper or Mylar. That changed dramatically in 1975 when we went to computers. Now we draw circuits using a CAD system, and I like that even more. Circuit boards are now much smaller and more intricate and sophisticated.”

He currently has no plans to retire. “I like his work and his coworkers. “And my wife encourages me to keep working,” he said with a chuckle.
Honeywell veterans build tiny homes for homeless veterans

A crew of 100 veterans from Honeywell in Kansas City spent a weekend in October building tiny homes for veterans who need a fresh start. Kansas City is at the forefront of the fast growing tiny house trend that is sweeping the nation by building a unique tiny house village for homeless veterans. With the help of Honeywell, which manages the Department of Energy’s Kansas City National Security Campus, the Veterans Community Project has added several homes to the village.

FYI Network’s Tiny House Nation host Zack Giffin was also onsite to document the crew’s progress and give pointers on making every square inch count in the layout. Eventually, the village will feature 50 transitional homes and a community center offering free self-sustaining services such as legal advice, resume writing, cooking and even a veterinarian clinic. The goal of the Veterans Community Project is to serve as many as 200 homeless veterans in Kansas City.

Coats for Kids a success just in time for winter weather

As the cold weather settles in over the Midwest, many kids are in need of new or gently used coats. Thanks to Honeywell employees and local radio station KMBZ 98.1 FM, many of these children will be toasty warm.

Each year, Honeywell supports the Coats for Kids effort with a special 10-day challenge to area businesses to raise funds. For every $1000, Honeywell matches it and this year the grand total contributed was $21,000.

New Mexico employees impact kids in STEM

Organized by Big Brothers Big Sisters of Central NM and co-sponsored by Honeywell, the Discovery Festival was the perfect way to show students what is possible for them in the growing and high demand STEM-related professions.

Employees from the KCNSC New Mexico Operations volunteered their time along with other local professionals and business owners who were excited to share their knowledge and experience with them. They put their minds to the test with hands-on exhibits and activities that revealed careers that they will be best suited for after graduating high school.

The Honeywell Quality team visited Harvester’s and packed 1,742 BackSnack food kits in November. The food kits are sent home with students who are on the free and reduced lunch program at school, so they have something to eat over the weekend. Thanks Quality team!

CONNECTIONS is published by Honeywell, which manages the U.S. Department of Energy’s Kansas City National Security Campus.