



Working with Honeywell and the KCNSC

Honeywell offers a variety of methods to work with external partners – whether it be industry, non-profits, or other federal and non-federal entities. We have over 4,000 innovative scientists, engineers, technicians, and inventors who contribute to national security, technology creation, and regional economic development.

The Technology Transfer program benefits the public through commercialization of patented solutions and the introduction of new technologies.

To discuss licensing opportunities, please send inquiries to: TechTransfer@kcp.com

Andrew Myers
Technology Transfer Lead

Honeywell Federal Manufacturing & Technologies
14520 Botts Road | Kansas City, MO 64147
(816) 488-4432

For more information, visit our website at www.kcnsc.doe.gov



COMMERCIALY AVAILABLE TECHNOLOGIES

The Kansas City National Security Campus (KCNSC) managed by Honeywell is an engineering and manufacturing facility serving the U.S. Department of Energy's National Nuclear Security Administration.

In the course of fulfilling our national security mission, scientists and engineers at the KCNSC create technology solutions that are available for commercialization to outside partners. Our expertise is wide-ranging, from electrical devices and materials to state-of-the-art capabilities like polymer or metal additive manufacturing. We are especially skilled in low volume, high precision production techniques. We have developed these capabilities through nearly 70 years in support of our national defense.

The DOE's NNSA facilities are a system of intellectual assets unique among world scientific institutions and serve as regional engines of economic growth for states and communities across the country.



Engineering and Manufacturing Solutions

We are dedicated to NNSA's mission of keeping our nation's nuclear stockpile safe, secure, and reliable by delivering mission-critical mechanical, electrical and engineered material components. Our unique expertise also extends beyond this enterprise to benefit national security and promote nonproliferation with field-ready solutions for other government agencies and for public industry.

Centers of Excellence

Technology development is coordinated around six Centers of Excellence.

• Electrical Products

Microelectronics, RF & Radar, Semiconductors, Secure Communications, Telemetry

• Mechanical Products

Rapid Prototyping, Physical Mechanical Testing, Metal Additive Manufacturing, Composites and Hybrid Technologies

• Materials

Polymer Additive Manufacturing, Coatings, Glass & Ceramics, Electronics Materials

• Simulation & Modeling

High Performance Computing, Mechanical Bases Solutions, Electrical Bases Solutions, Model Based Solutions

• Test & Measurement Engineering

Test Equipment (TE) Architectures & Processes, Metrology & Mechanical Inspections Technology, Sensors & Detection

• Manufacturing Process Technologies

Process Monitoring & Optimization, Constraint & Risk Management, Logistics & Supply Management, Process Automation Systems

Technologies for License

Work at the KCNSC has generated over a hundred innovative patents, patent applications, and copyrights in the last 20 years. The following technology areas represent a small example of technologies available for licensing.

• Software and Cybersecurity

- Real-time cybersecurity forensics with Windows Logging Service
- Modeling and simulation software for product validation and tolerances
- Augmented Reality applications

• Materials

- Low temperature powder coatings for plastics
- Asphaltene-based carbon fiber composites
- Carborane cage materials

• Additive Manufacturing

- Polymer AM solutions
- Metal AM technology

• Electronic Devices and Materials

- Miniature Kelvin contacts and dual POGO pin assemblies for integrated circuit testing
- Rapid PCB prototyping by selective adhesion
- Physically unclonable functions for preventing counterfeit electronics components

• Chemical Processes

- Extraction of heavy oils from oil sands
- Diamond composites for improved heat dissipation in integrated circuits

• Physical Devices

- Portable seismic sources for underground mapping
- Heating and cooling cases for cell phones
- Portable mounts to quickly and safely set up an x-ray source



Electrical Products	Mechanical Products	Materials	Simulation & Modeling	Test & Measurement Engineering	Manufacturing Process Technologies
Microelectronics, RF & Radar, Semiconductors, Secure Communications, Telemetry	Rapid Prototyping, Physical Mechanical Testing, Metal Additive Manufacturing, Composites and Hybrid Technologies	Polymers & Polymer Additive Manufacturing, Coatings, Glass & Ceramics, Electronics Materials	High Performance Computing, Software Systems, Mechanical and Electrical Bases Solutions	Test Equipment (TE) Architectures & Processes, Metrology & Mechanical Inspections, Sensors & Detection	Process Monitoring & Optimization, Constraint & Risk Management, Process Automation Systems