

## **CORPORATE VENTURE INVESTING**

Through partnerships in the business community the Foundation strengthens the University's financial position while growing institutional standards. These alliances affect positive change in both the community and people's lives, and create breakthroughs that enhance the region and spur economic growth.

While new buildings are tangible examples of success and expansion on campus, the real catalysts of progress are the innovators and companies housed within those structures. The Foundation has invested in several start-up companies that are direct results of cutting-edge research enabling the University to become partners in several commercial ventures.

These new companies have created well-paying jobs for Kentucky and economic opportunity for our city.

**Nucleus: Kentucky's Life Sciences and Innovation Center, LLC** was formed in February 2008 under the name Nucleus Healthcare, LLC. Its purpose is to integrate University resources, including life sciences, with those of the region. The

Foundation is the sole member of Nucleus and UHI is the manager.

Nucleus was created primarily to help grow the science-, research-, and technology-based companies in our community by providing training and support services on the J.D. Nichols Campus.



South Ariel View of Belknap Engineering and Science Park

### **Belknap Engineering and Science Park**

is being constructed on a 39-acre tract bordering the J.B. Speed School of Engineering. The first building planned is a 225,000 square foot structure to house the Institute of Product Realization and Innovation. This Institute will conduct research in additive manufacturing and logistics, renewable energy, and analytics and computer science. The facility may also include Launchpad and Microfactory components consisting of staff, 3D printing, and equipment dedicated to

support industry in the development of new products and processes.



Roadway and access improvements at Floyd and Warnock Sts.

To facilitate better access into and out of the research park, the Foundation has committed \$10.7 million in matching dollars to assist the University in securing \$47.3 million in allocations and grants from the Kentucky Transportation Cabinet to improve and provide infrastructure and roadways at the Belknap Campus and Research Park.

**FirstBuild Micro-Factory** opened in July 2014 on East Brandeis Avenue on the University of Louisville Belknap Campus. In collaboration with General Electric (GE) this factory will serve as an advanced manufacturing hub where students can conduct research while receiving practical training on the latest additive

manufacturing techniques and technologies in a micro-factory setting. The micro-factory will focus on the future of cooking as its first set of projects. In partnership with Local Motors, the factory will create a new model for the manufacturing industry, providing a platform for a global community of innovators to prototype, iterate, and refine existing GE products, as well as develop new designs. Local community members will be encouraged to work alongside FirstBuild employees to bring these designs to life within the community.



**Engineering Garage (EG)**, located adjacent to the FirstBuild Micro-Factory, serves students by providing classroom space, advanced manufacturing equipment, and engineers to assist in learning, share ideas and concepts, and create working prototypes. It extends outreach to regional schools from the elementary level through