

# arkansas research & technology park cultivating big ideas

Quarterly Newsletter

AUGUST 2017

## INSIDE THE NEWSLETTER

Fruit of the Loom, Inc. Picks TSC	1
Wolfspeed Withstands Extreme Conditions	1
HYDOZ Installation	2
BiologicsMD: A Key Player in Alopecia Treatments	2
Air Force Awards Ozark IC \$750,000	3
NCREPT Expansion	3
Did You know?	4
Stay Connected	4

### Fruit of the Loom, Inc. Picks TSC

Fruit of the Loom is a new member of The Sustainability Consortium (TSC) "as part of its ongoing commitment to corporate social and environmental responsibility." With this partnership, Fruit of the Loom will gain access to one of the world's largest research databases to assist with the transformation of sustainability science and data into tools the businesses can use throughout the lifecycle of a product. Tony Pelaski, Fruit of the Loom executive vice president and chief operating officer, commented on joining in with TSC, "Joining TSC will allow us to evolve and expand our current processes to remain a sustainable organization and leader in the apparel category." Currently TSC works with over 100 members who are represented by corporations, non-profits, and academic institutions world-wide.



TSC also released its 2017 Impact Report. A charge TSC has given its members was to improve their Key Performance Indicator scores, which allows companies to evaluate how effectively they have achieved their goals. From the Index of the report, TSC stated that more than 40% of suppliers took action to improve their scores in numerous ways. These ways included improving their data collection systems, being aware and maintaining communication with their own suppliers, creating more transparency by adapting processes, developing more sustainable product packaging, and communicating their actions and goals to the public. For more information on the 2017 Impact Report, visit [www.sustainabilityconsortium.org/impact/impact-report/](http://www.sustainabilityconsortium.org/impact/impact-report/).



### Wolfspeed Withstands Extreme Conditions

As a leader in silicon carbide (SiC) power products, Wolfspeed, a Cree Company, released a power module that "passes the harsh environment qualification test for simultaneous high-humidity, high-temperature and high-voltage conditions." This module is the industry's first power module that can withstand these extreme conditions successfully. The module was able to function properly while exposed to an environment of 85 percent relative humidity, 85° Celsius, and 80 percent of rated voltage. Developing this type of power module allows for more versatile use of the module and enables system designers to use the device in areas where the power modules may not have previously functioned.





## HYDOZ Installation

BlueInGreen is celebrating the installation of HyDOZ, which uses gas dissolution technology to disinfect water right here in Fayetteville. The installation was completed at the Paul R. Noland Wastewater Treatment Plant and a ribbon-cutting ceremony was held on June 8<sup>th</sup> to celebrate this accomplishment. In 2012, BlueInGreen was contacted to implement a pilot project using the gas dissolution system in Fayetteville. The city has previously used a UV system to remove contaminants of emerging concern from the water. After the pilot project was complete, it was seen that nearly twice as many contaminants of emerging concern were reduced in the water. Because of the great results from the pilot project, BlueInGreen was asked to install a full system at the treatment plant.

Pictured is Jessica Hart, Product Manager at BlueInGreen, cutting the ribbon at the installation of the HyDOZ. Steve Clark, President of the Fayetteville Chamber of Commerce, was also involved in the presentation at the ribbon-cutting ceremony.

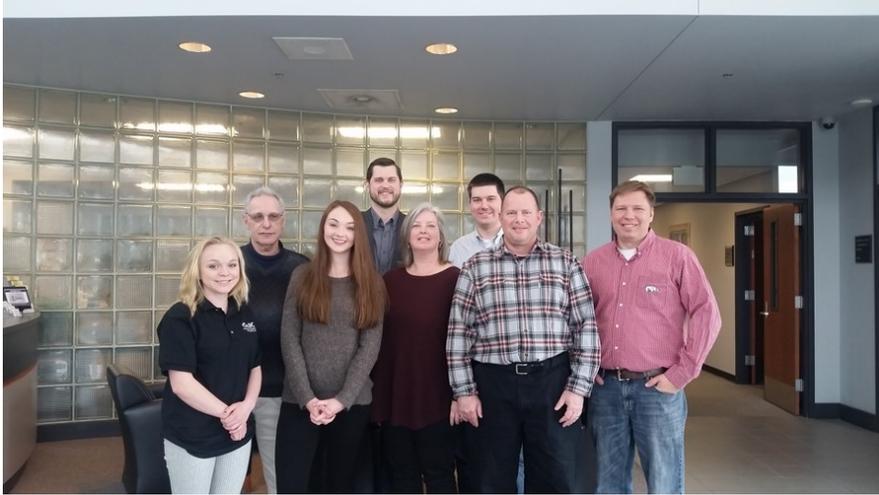


### BiologicsMD: A Key Player in Alopecia Treatments



BiologicsMD™ is a preclinical therapeutic development company that focuses on “smart therapies” for hair loss and bone disorders. As a result of research conducted by BiologicsMD™ and the results found, they were named a key player in Alopecia Therapeutic Treatments by the Alopecia Market –*Pipeline Review, H1 2017*. This Review dives into the research surrounding Alopecia treatment and examines the pharmacological action of certain therapeutics. This review is a comprehensive report on development of new therapeutics for Alopecia. Along with covering the treatment options, it also identifies key players and provides its audience with an overview of their companies. BiologicsMD™ is continually “working on formulation and delivery vehicles that can accommodate parenteral, local, and topical administration” in order to positively impact hair loss and bone disorders.

## Air Force Awards Ozark IC \$750,000



University Relations

can function effectively in extreme conditions. Ultimately, with the help of this award, Ozark IC will have developed a module that will cut cost significantly and be more reliable than the current module.

Ozark Integrated Circuits has received an award from the U.S. Air Force for \$750,000. Ozark IC has worked previously with the U.S. Air Force to develop and build a ceramic-based wiring board which can withstand temperatures up to 300 degrees Celsius. With this new award, Ozark IC will begin to print the previously designed boards, which will cut down on cost, and integrate the boards into a smart sensing node. Smart sensing nodes play an essential role in the electronic control of jet engines. Ozark IC will also begin building and experimenting with prototypes that

## NCREPT Expansion

The National Center for Reliable Electric Power Transmission (NCREPT) is expanding. NCREPT is a high-voltage testing facility for advanced power electronics equipment for electric power distribution systems. Groundbreaking for the expansion occurred on June 26, 2017 and the project has an expected completion date of January 22, 2018. This expansion will create an additional 5,000 sq. ft. of testing area and create office space for undergraduate and graduate students, faculty, and visiting researchers. It will also house a server/IT room that is dedicated to cyber security research equipment, 120 ton chiller, a 400 sq. ft. secure room, and various improvements to the efficiency and effectiveness of the building. This exciting expansion will continue to promote NCREPT as a unique facility for grid and transportation power electronics and security in the United States.



## DID YOU KNOW?

### Food Truck Friday Starts Again in September

The Arkansas Research and Technology Park has been hosting a variety of Food Trucks including Street Dogs, Trick Dilly, Baller, Nomads Natural Plate. Be on the look out for Food Truck Friday to start back up in September! Anyone is welcome to attend Food Truck Friday, 11am-1pm, at the ARTP in front of the GENESIS Building and parking is free!

Interested in Food Truck Friday? Want more information?

Check out our Facebook page or receive our emails!

To get updates about Food Truck Friday, email Sara Lehman at :  
slehman@uark.edu

### Stay Connected with the ARTP

**Facebook:** [fb.me/ARTechPark](https://www.facebook.com/ARTechPark)

**Twitter:** [@ARTechPark](https://twitter.com/ARTechPark)



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**Welcome New Hires/Transfers**

**UATDF**  
Sara Lehman

**Wolfspeed**  
Andrew Eaton  
Sayan Seal  
Zhenxian Liang  
Jacqueline Guzman

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