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CORPORATION FOR ECONOMIC OPPORTUNITY

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Contact: Kevin E. Schwab
315.422.8284
kschwab@centerstateceo.com

New CNY Companies Make a Better Light Bulb ***Ephesus Technologies, ProTerra LED, Group4 Labs Produce New*** ***LED Lighting: 20% More Efficient, 40 % Brighter, 15% Less Expensive***

SYRACUSE, NY – Ephesus Technologies, ProTerra LED, and Group4 Labs today announced at the Syracuse Technology Garden that they have formed a multi-million dollar strategic alliance to develop a new generation of LED lighting using GaN-on-Diamond nanotechnology.

[ProTerra LED](#), formerly of Canada, and [Group4 Labs](#) from the Silicon Valley, both new companies to the region, have joined [Ephesus Technologies](#), a Syracuse company formed by former Lockheed Martin employees, in launching a new venture in CenterState New York to create cutting-edge lighting technology that is more efficient than anything on the market.

Brought together through [Tech Garden](#) facilitated collaborations, the companies will create an integrated solution for the development and manufacturing of next generation LED lighting products utilizing nanotechnology. Through intellectual property developed at the region's universities, Clarkson, Binghamton, and Cornell, the new nano-based bulbs are expected to far exceed today's LED performance standards, consuming 20% less power, producing 50% less heat, and are 40% brighter - at a cost savings of 15% to the consumer over the best LEDs available today.

This new collaboration has created a complete integrated solution for the development and manufacturing of LED lighting products that will accelerate new products to the market, cultivate business growth and job creation, and spur regional economic development. The technology will be deployed into ProTerra's current commercial, home/office, municipal and obstruction lighting products.

“The Tech Garden and its network of resources and programs is a hub of intellectual collisions, accelerating the launch of new products and ventures,” said Rob Simpsons, president of CenterState CEO. “ProTerra, Esphesus and Group4 Labs' decision to grow their businesses here creates exciting momentum for the region, and holds promise for more great work to come.”

About Ephesus Technologies

Ephesus Technologies is a Syracuse-based company that creates innovative high tech products and applications using nanotechnology. It identifies new technologies that have direct impact on the technology needs of commercial and government enterprises. Ephesus currently employs seven senior research engineers working on the development of nanotechnologies and Intellectual Property. Ephesus Technologies is led by cofounders Joe Casper and Brian Abbe.



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About ProTerra LED

ProTerra LED is a world leading providers of solid state LED lighting solutions and high wattage LED. ProTerra designs and manufactures innovative products that will result in a greener planet and tremendous energy and financial savings plus. It is a Canada-based company that has recently established an office in Syracuse. ProTerra LED is led by CEO John Johnston.

About Group4 Labs, Inc.

Group4 Labs, Inc. is a fables "extreme materials" company that develops and markets unusual semiconductor materials for use in various markets including high performance RF amplifiers, radar components, and solid-state lighting. It is based in Fremont, California and is in the process of establishing offices in Syracuse. Group4 Labs, Inc. is led by CEO Felix Ejeckam.

About CenterState CEO

Based in Syracuse, the CenterState Corporation for Economic Opportunity is a twelve-county business leadership and economic development organization. A private, not-for-profit organization, CenterState CEO represents more than 2,000 members and serves as the region's primary economic, community and business development catalyst. CenterState CEO works to achieve regional growth and total community prosperity through partnerships, planning and problem solving.

About The Tech Garden

The Tech Garden's mission is to stimulate high-tech entrepreneurship, foster the development of emerging growth companies, and support technology commercialization throughout the region. Start-up technology businesses are offered business plan assistance, mentoring and marketing advice, targeted referrals, networking opportunities and state-of-the-art office space from which to grow their businesses. The Tech Garden is an affiliate of CenterState CEO (Corporation for Economic Opportunity).

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