



## **NC Clean Energy Technology Center and Koolbridge Solar Partner On New Solar Technology**

The North Carolina Clean Energy Technology Center (NCCETC) at North Carolina State University has signed a Five Year Memorandum of Agreement (MOA) with Koolbridge Solar, Inc., a North Carolina based company, in support of Koolbridge's advanced smart solar and smart energy management technology. KoolbridgeSolar's Smart Load Center is a smart circuit breaker panel for integrating a photovoltaic and energy storage system with a home's or commercial building's loads and the electric grid. It smartly transfers loads from the grid supply to the off-grid solar and battery system when the sun is shining. It manages both solar and utility-based energy in a complimentary fashion.

The NCCETC is an established leader in understanding solar policy, markets, and technology as well as related codes and standards. The Center has conducted demonstrations and field tests of various solar technologies. In recent years, the Center has successfully won competitive grant funding from two large U.S. Department of Energy SunShot programs.

The Agreement between the Center and Koolbridge Solar is broadly to support each other's efforts. The Center will provide high-level policy, market, and technical guidance to Koolbridge on their products and strategies. The Center will also support Koolbridge's pursuit of federal and state grants and other funding opportunities wherever possible and appropriate. Koolbridge Solar values the support of the NCCETC and will actively seek funding to allow for more significant input from the Center.

"Koolbridge Solar, Inc. has a new advanced inverter, Smart Load Center, and other patented and patent-pending energy management technology designed to lower the costs of distributed photovoltaic systems and increase value by allowing for easy integration of energy storage and by allowing continued operation in case of electrical outage with the local power company." stated Stephen Burnett, Chairman & CEO of Koolbridge Solar.

Tommy Cleveland, a Professional Engineer and Renewable Energy Program Coordinator of the NCCETC, stated, "The Center is pleased to have entered into the first MOA with Koolbridge Solar in accordance with its mission to improve North Carolina and citizens' access to affordable and reliable solar energy".

Project contact information:

Tommy Cleveland  
Renewable Energy Program Coordinator  
North Carolina Clean Energy Technology Center  
NC State University, College of Engineering  
Campus Box 7409  
Raleigh, N.C. 27695  
Tommy\_Cleveland@ncsu.edu

Stephen Burnett  
Co-Founder and CEO  
Koolbridge Solar, Inc.  
PO Box 1529  
Wrightsville Beach, N.C. 28480  
910-274-4760  
sburnett@koolbridgesolar.com

### **About the North Carolina Clean Energy Technology Center**

The N.C. Clean Energy Technology Center, as part of the College of Engineering at North Carolina State University, advances a sustainable energy economy by educating, demonstrating and providing support for clean energy technologies, practices and policies. It serves as a resource for innovative, green energy technologies through technology demonstration, technical assistance, outreach and training. For more information about the N.C. Clean Energy Technology Center, visit: <http://www.nccleantech.ncsu.edu>. Twitter: @NCCleanTech

### **About Koolbridge Solar**

The principle business of Koolbridge Solar Inc. is to design, develop and sell innovative electrical products that allow solar energy to be integrated into homes more efficiently and economically, to reduce energy bills, and to provide greater supply reliability by:

- Providing solutions to increase in-home solar efficiencies.
- Providing solutions to decrease homeowners' energy costs.
- Providing solutions that increase the homeowner's ROI.
- Providing solutions that complete the communications chain from utility to "smart grid" to "smart home" to "smart appliance".

Web—[www.koolbridgesolar.com](http://www.koolbridgesolar.com)