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**AT A GLANCE**


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AVA Gallery & Art Center  
Lebanon, NH  
www.avagallery.org

**Industry**  
Non-Profit

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**PROJECT**


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**LED Lighting Retrofit**


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*"We are extremely grateful for the charitable efforts of Leading Edge Design Group and thankful that we have such great people in the community to support organizations like AVA Gallery."*

- Bente Torjusen  
AVA Gallery  
Executive Director

# AVA Gallery & Art Center Implements LED Lighting through the LEDG **Get Green!** Program

## Background

AVA Gallery and Art Center/Alliance for the Visual Arts is a non-profit organization representing Vermont and New Hampshire artists. Founded in 1973, AVA is committed to fostering public awareness of the visual arts through year-round exhibitions, classes, workshops, films, lectures and other art-related events. AVA Gallery and Art Center's Carter-Kelsey Building received LEED (Leadership in Energy and Environmental Design) Gold Certification for its 2006-2007 renovation of the former H.W. Carter overall factory.

## Challenge

The AVA Gallery team wanted to replace the halogen track lighting in the gallery with a mercury-free, LED solution that is better suited for the lighting of artwork. LED lamps do not emit ultraviolet light that over time can harm a work of art unless it is protected by museum glass. In addition, the gallery's room temperatures during the summer months are controlled by shading, air exchange and natural cross ventilation rather than air conditioning. LED lamps emit very little heat and would help them maintain a more comfortable and consistent room temperature and potentially lower their energy and replacement costs.



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## Solution

Leading Edge Design Group installed 100 LED lamps in AVA's gallery spaces in January 2011. The 17-watt LED lamps have a lifetime of 45,000 hours, versus the 2,500-hour lifetime of the 100-watts halogen lamps that they replaced and will result in an 83% power reduction for the gallery spaces.



Leading Edge Design Group worked with National Grid, the local utility company, to gain a \$3,500 energy-efficiency incentive for AVA. Leading Edge Design Group also included the AVA Gallery & Art Center in their **LED Get Green! Program** by donating the energy-efficient upgrade plan and implementation. The LED lighting purchase was made possible by a donation from Betsy and Greg Banks, in memory of Clifford B. West, a noted and longtime AVA artist, for whom the main exhibition space is named.

## LEDG Get Green! Program

Leading Edge Design Group, a locally and family-owned energy services company in Enfield, NH, has been working since 2007 to help organizations throughout the country to reduce the environmental impact of their operations. They developed the LED **Get Green!** Program to give back to the surrounding Upper Valley community by donating energy-efficiency upgrades for selected non-profits and educational facilities. While the overall goal of the **Get Green!** Program is to improve energy efficiency in the community through enhanced building operations, increased awareness, and ongoing education, it is Leading Edge Design Group's hope that helping non-profits and educational facilities reduce their energy costs will increase the funds available to them to reinvest in our community.

The first non-profit recipient is the AVA Gallery and Art Center in Lebanon, NH.





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## About

Leading Edge Design Group is a leading national provider of energy optimization services that delivers significant energy savings to the public and private marketplaces through efficient data center designs and emerging LED lighting and wireless lighting control technologies. Founded in 2007 with the goal of pursuing, promoting, and providing the finest energy optimization solutions available, we help our customers minimize the environmental impact of their businesses while improving operational reliability and reducing costs. Leading Edge Design Group is dedicated to encouraging, challenging, and contributing to energy industry innovation with an ongoing commitment to our community and our environment. Visit us at [www.ledesigngroup.com](http://www.ledesigngroup.com) and connect with us on Twitter @ledesigngroup.