

LEED® Leads to Energy Savings & Happy Tenants

CHARLOTTE, NORTH CAROLINA

The Duke Energy Center is a beautifully designed high-rise mixed use development in Charlotte, NC. This landmark development includes a 48-story office building over eight stories of parking, a nine-story building annex with a plaza on top, a 37-story condominium over six levels of the Mint Museum and nine levels of parking. With help from Purafil, the Duke Energy Center earned the prestigious LEED® (Leadership in Energy and Environmental Design) New Construction Platinum certification. This is the best possible rating a commercial building can earn and is what helps drive occupancy rates.

Earning LEED certification requires buildings to be environmentally conscious and more energy efficient. One such way to do so is through improvements to HVAC systems and indoor environmental quality. The Duke Energy Center owner requested the Indoor Air Quality from ASHRAE Standard 62.1 (IAQP) to be used for **capital equipment cost savings that would allow for a continual reduction in HVAC system operating costs and help towards a LEED certification.**

Purafil installed PuraGrid™ filters to clean and recirculate toilet exhaust. The reduction in the amount of outside air required to replenish the air saved the center money by reducing monthly energy costs associated with cooling and heating the exhausted air.

These solutions allowed for better indoor air quality, an important tenant of earning LEED certification. **All of this is what gained the Duke Energy Center points towards the LEED Platinum certification it earned.**

