

## Mission Statement & Characteristics

Green roofs, sometimes referred to as “eco-roofs” consist of a system where waterproofing membrane, soil and vegetation overlay traditional roofing systems. Such a conversion can contribute immensely to lowering costs associated with storm water runoff, energy use, and material waste reduction.

Environmental benefits also exist. Green roofs serve as a habitat for species of ground-nesting birds, improve air quality, decrease pollution from runoff, prevent weathering, improve soil moisture and evapotranspiration cycles, reduce greenhouse gasses, and mitigate urban heat islands on microclimates.

Ultimately, greener cities are healthier cities – the overall quality of life among the population is only one of many externalities associated with having more green spaces in your city.

Urban dwellers across North America are fighting to include more green spaces into their cities, planners are incorporating green design into their projects, and property owners are continuously searching for ways to increase the property valuation of their buildings. Green rooftops are the one of the latest and greatest approaches to appease this multifaceted need. The Elevated Oasis Application works to provide its users with a way to plan and promote green roofs in their city. Whether it is a concerned citizen who wants to know if a green roof can be installed on their building, a planning department who wants to know the availability of installations in a particular area of the city, or a property holder who wants to determine the cost of a green roof installation, or just an interested individual; Elevated Oasis is here to help.

The Elevated Oasis application works to provide its users with information suitable for determining the potential of installing or retrofitting a green roof. The 3D component of this application adds an appealing touch to the overall visualization of the data.