

**ID 102 - Introduction to Interior Design**  
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## **Assignment 7: Local LEED Research a Local LEED-approved Project in Los Angeles**

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The project may be a single home, multi-housing complex, or commercial building. Prepare a summary of the key features behind the qualification level it received.

Submit this assignment on Canvas in either WORD or PDF format.

Include an image of the project in addition to information related to the following:

- Energy efficiency
  - o Lighting
  - o Heating and cooling
  - o Daylighting
- Indoor air quality and ventilation
- Reducing toxic substances
- Sustainable materials
- Water conservation

# Citadel Environmental Headquarters

## A Local LEED-approved Project in Los Angeles

### About LEED:

Leadership in Environmental and Energy Design (LEED) “is an internationally recognized green building certification system providing third-party verification that a building was designed and built using strategies aimed at improving energy performance, water efficiency, air quality, and stewardship of resources and sensitivity to their impact throughout the building life cycle. LEED and the California Green Building Standards Code (CAL Green) require adequate indoor air circulation and VOCs limits in all building materials.”

“LEED is one of the most popular green building certification programs used worldwide that includes a set of rating systems for the design, construction, operation, and maintenance of green buildings, homes, and neighborhoods that aims to help building owners and operators be environmentally responsible and use resources efficiently.”



### An LEED-approved Building in the City of Glendale, County of Los Angeles, California:

The Citadel Environmental Headquarters (<https://shangrilaconstruction.com/portfolio/citadel-environmental-headquarters>), located in the City of Glendale, County of Los Angeles, California, is a LEED Platinum certified contemporary office space. This certification indicates that it has fulfilled all requirements of “improving energy performance, water efficiency, air quality, and stewardship of resources and sensitivity to their impact throughout the building life cycle.”

It is a full renovation of an outdated building into a Class A green office space. Scope of this green renovation project includes abatement, demo, core and tenant finishes, removal and replacement of the roofing system, improvements to water intrusion mitigation systems including new exterior glazing and new MEP (mechanical, electrical and pumping) systems. The building also includes the addition of a new solar array making it a net zero facility.

The square footage of this commercial office is 8,000 square feet. This award-winning rehabilitation an adaptive reuse project reflects the principle of “reuse,” and thus, is environmentally friendly and sustainable.

This project is environmentally friendly thanks to (1) its nature as a renovated old building (instead of tearing it down and building a new one, which is a waste of materials, it “reuse” and “renovate”); (2) its extensive use of solar energy that provides energy efficiency in terms of lighting and other tasks such as heating and cooling, office works using computers and peripherals, and all other tasks, making it a “net zero” facility; and (3) its improved water

intrusion mitigation systems, which help to reduce toxic substances and to promote water conservation.



*Extensive use of solar energy.*



*Well-illuminated office space.*