



University of Nevada, Las Vegas Science, Engineering and Technology Building

This academic research/lab building is targeting LEED Silver Certification. It is expected to achieve 20% energy savings and 40% water savings. The reuse of reverse osmosis water waste and use of green materials in construction are a few sustainable features worth noting.

New growth and economic diversification in Nevada will place increased demands on the engineering and science colleges at UNLV. To meet these needs, a new building for collaborative research in science and engineering has been approved. The project includes a utility/infrastructure upgrade to ease current demands as well as accommodate the new structure.

The building will facilitate increased disciplinary interaction, enable better space management and provide efficient facilities. The facility will create spaces that are less discipline-defined, more versatile and encourage interaction. Many universities and companies have already responded to this new research paradigm with unified centers of science and engineering.

The building must have multiple-scope facilities that encourage the exchange of ideas. These facilities will range from Internet-based teleconferencing, with at least one large, fully-instrumented conference room, to smaller spaces where faculty and students can gather to share the progress of their work.

Because science/engineering research is unpredictable, the building will be equipped with dynamically allocated space-space that will be easily convertible from one use to another. Large, fixed, infrastructure elements will be placed along exterior walls or interior corridors, with sinks and hoods in the corners and the rest of the laboratory remaining open. Movable furniture, benches suitable for group work, and ubiquitous power and data outlets will create a space that can be adapted for a variety of research topics.

The new building will serve as an icon for science and engineering and will greatly enhance UNLV's campus.

Awards

*Citation Award, American Institute of America
- Nevada, 2004*

Location: Las Vegas, NV

Cost: \$71.396 million

Size: 196,000sf

Completion: 2008

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