

Customer Challenges

- Implement “green” technology that delivers cost-effective, tangible results
- Earn credits under LEED New Construction Rating System v2.2
- Improve energy efficiency while providing a comfortable guest experience

The Benefits of Energy Efficiency and LEED® Certification

At the Embassy Suites Denver - Downtown/Convention Center, the hotel owner uses the concept of a “triple bottom line” to evaluate the success of energy efficiency implementations. Telkonet’s SmartEnergy™ intelligent thermostats help the hotel focus on “people, the planet, and profits:” comfortable guestrooms, corporate responsibility, and significant utility cost savings.

With numerous benefits already secured, Embassy Suites Denver elected to explore LEED-certification to capture the sizeable market of eco-conscious business and leisure travelers. Recently honored as one of the “Top 25 US Hotels” by TripAdvisor, Embassy Suites Denver demonstrates that a hotel can pursue sustainability, profitability, and high-quality, comfortable guestrooms through the LEED certification process.

Energy Management Works for the Embassy Suites Denver

Telkonet’s intelligent thermostats and occupancy sensors, installed throughout the hotel, reduce the energy used to heat and cool unoccupied guestrooms. Telkonet’s Recovery Time™ technology represented a major differentiator for the Embassy Suites Denver. To balance comfort and efficiency, the intelligent thermostats consider data from a room environment to determine how far the temperature can drift without compromising comfort. Using Recovery Time, the hotel discreetly enables energy efficiency in unoccupied rooms while still providing a superior guest experience.

All LEED for New Construction projects must achieve at least two points under Energy and Atmosphere Credit 1: Optimize Energy Performance. At the Embassy Suites Denver, Telkonet helped earn the mandatory points, and assisted the hotel in meeting Energy and Atmosphere Prerequisite 2: Minimum Energy Performance.

Certification Result: LEED Silver

Telkonet’s energy management technology, along with ongoing sustainability efforts throughout the hotel, enabled the Embassy Suites Denver - Downtown/Convention Center to earn LEED Silver certification in July 2011. As the first LEED Silver hotel in both the Denver metropolitan area and the Embassy Suites brand portfolio, the Embassy Suites Denver sets the standard for energy efficiency.

Embassy Suites Denver-Downtown Denver, CO



Project Facts EcoSmart Energy Management

Rooms	403
Applied Technologies	
	- SS5000 Thermostats
	- SS2000 Occupancy Sensors
Installation Date	
LEED Certification	LEED Silver

About LEED

LEED is an independent, non-profit, third-party rating system established by the U.S. Green Building Council. The U.S. Green Building Council’s LEED green building certification system is the foremost program for the design, construction, and operation of green buildings. By using less energy, LEED-certified buildings save money for businesses and taxpayers; reduce greenhouse gas emissions; and contribute to a healthier environment for residents, workers and the community.

LEED + SmartCon Solutions

Smartcon’s energy management solutions can help contribute to earning prerequisites and points necessary for LEED certification.

EA Prerequisite 2: Minimum Energy Performance

Establish the minimum level of energy efficiency for the proposed building and systems.

EA Credit 1: Optimize Energy Performance 1–10 Points

Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. Two points mandatory for all LEED for New Construction projects registered after 2007.