

[Habitat Lab - high energy efficiency](#) [1]

The built environment has a profound impact on our natural environment, economy, health, and productivity. Breakthroughs in building science, technology, and operations are now available to designers, builders, operators, and owners who want to build green and maximize both economic and environmental performance. The United States Green Building Council (USGBC) is changing the built environment through the LEED green building certification program. The aim is to spread the concept of sustainable building and to promote good practices of design and construction. In this sense, the green movement offers an important opportunity to respond to the challenges of our time, including climate change, dependence on non-renewable and expensive energy resources, and threats to human health. Habitat Lab was built at an existing site, blending renovation and new construction to create a 1,200 square meter facility with the goal of achieving LEED certification standards. It involves some building solutions and technologies to help ensure an optimal combination of operational efficiency, indoor comfort, and sustainability. With the highest LEED Platinum score in Italy, it exemplifies a good manner to create the sustainable cities of tomorrow.

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