



Find the Right Heating and Cooling System for Your Project

As the architect of a commercial building project, you have a number of factors to consider. The building's heating and cooling system is one of the most important and financially significant components of the building's design.

When determining what heating and cooling system best suits a project, it is essential to consider how best to achieve optimum energy efficiency while reducing equipment and maintenance costs and managing the environmental impact. Besides square footage, service load calculations, and zoning, it is critical to consider the available building space heating and cooling options to maximize value and provide a long-term, cost-effective solution.

Community Energy is an innovative heating and cooling system with many advantages over an in-building HVAC system. A Community Energy system provides centralized heating and cooling services to multiple buildings within a specific area. It typically involves a central plant that generates steam heat or chilled water that is distributed through a network of pipes to connected buildings.

As an alternative to an in-building HVAC system, Community Energy's benefits include:



Ease of Installation:

Connecting to an existing Community Energy system can be relatively straightforward, as the infrastructure is already in place.



Reduced Capital Investment:

Community Energy eliminates the need to purchase and install expensive boilers, chillers, and cooling towers that will inevitably need replacement. The finished energy source is delivered directly to a building and ready to use.



Maintenance:

Maintenance responsibilities are handled by the Community Energy provider, which will relieve the building owner of some maintenance tasks compared to managing an HVAC system.



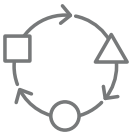
Efficiency:

Community Energy systems can be more efficient than individual HVAC systems, as they often use waste heat from industrial processes or power generation to provide heating, which is environmentally beneficial.



Space Flexibility:

Community Energy does not require on-site equipment within the building or on the roof. Therefore, unsightly rooftop cooling towers and condensers are eliminated leaving usable space with great sightlines.



Adaptability:

From environmental regulations to refrigerant phase-outs due to global warming concerns, Community Energy responds to changing conditions at scale in one central location providing a risk-free energy solution for the life of the building.



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