





Likido™ONE:

Commercial Building Applications

Problem:

The U.S. Department of Energy estimates that commercial buildings account for **826 million metric tons of CO₂ emissions annually**. Additionally, the average energy consumption of a commercial building in the U.S. is 22.5 kilowatt-hours per square foot.

The inefficiency of traditional boilers and chillers has created a dire need for robust technology that addresses high energy consumption and combats rising costs for commercial businesses. Energy is wasted in a variety of ways: heating, cooling, lighting, ventilation, and hot water heating, among others.



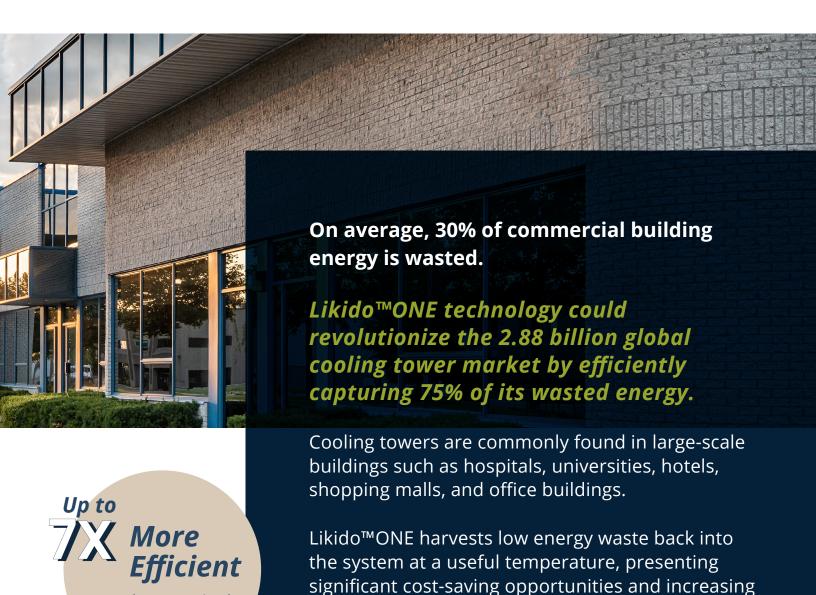
Every Likido™ONE machine installed has the potential to eliminate 250,000 kilograms of CO₂ equivalent.

Solution:

LIKIDO™ONE FOR COMMERCIAL BUILDINGS

Through renewable and sustainable energy innovation, combustionfree **Likido™ONE** heat pumps reduce carbon and improve energy efficiency, ultimately recovering lost energy while supporting the global initiative of Net Zero emissions.

Likido™ONE recovers wasted energy.



business sustainability.



Effectively decarbonizes heat

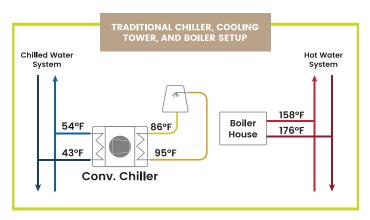
than conventional

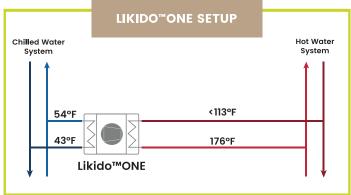
heating & cooling

systems

- Combustion-free process
- Reduces global warming potential (GWP)
- Uses carbon dioxide (CO₂)
 as refrigerant in transcritical refrigeration cycle

- Retrofittable design, modular build
- Climate agnostic, works in multiple regions
- Can be implemented into new and existing building infrastructures





LIKIDO™ONE STANDARD CAPABILITIES

- Delivers up to 160 kW of heating and 120 kW of cooling power with 46 kW of electrical input, making it ideal for various commercial building applications
- Every 1 kW of electrical energy input produces 4.5 kWth of heating energy and extracts
 3.5 kWth of cooling energy from a suitable source, giving a COPhc of 1:8 for most applications.
- Closed system featuring a transcritical refrigeration cycle that employs supercritical CO₂ as the working fluid.
- Outperforms most traditional heating and cooling systems and can serve as a replacement solution for both.
- Uses non-toxic, non-flammable, environmentally-friendly natural refrigerants that are completely CFC and HFC free.

Reduce environmental impact and **save money** on heating and cooling costs with Likido™ONE, a true commercial building solution.





1.858.771.3592

