Energy for the urban food system

Sonny Strömberg, Senior Key Account Manager
2018-08-19
Cooling equipment expels excess heat

Simultaneous heat demand – Fulfilled by combustion

Ph.D Per Rosén, Inventor of ectogrid™
Conventional cooling

Infrared spectrum

Visual spectrum
Combining benefits of well-known systems/components

Shared energy for a sustainable city
How ectogrid™ works
How ectogrid™ works

Buildings connected to the same system provide each other with heating and cooling.

✓ The most energy efficient heating and cooling solution
✓ Cheaper to build - one grid serves 2 utilities
✓ Cheaper to operate

-15-40 °C
-5-30 °C
Hybrid solutions complementing existing infrastructure
ectocloud™
Energy optimization as a service
Different business models to fit customers' needs:

- Purchase energy
- Own your equipment
- Share the investment

kWh
World's first ectogrid™
District heating/
District cooling

- District heating: 10 GWh
- District cooling: 4 GWh

Supplied energy

- Supplied energy: 3 GWh
- Balanced energy: 11 GWh

ectogrid™
RESULT

ectogrid™ at Medicon Village results in a reduction of the:

Supplied Energy: - 78 %
Energy bill for customer - 20 %

This is a “zero emission” energy system.
ectogrid™ applicable in all types of energy systems
Thank you!

www.ectogrid.com
sonny.stromberg@eon.se