Celsius Energy: connecting buildings to the Earth

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Celsius Energy

• Spin out from Schlumberger in 2019
• Turnkey solution for collective building Heating & Cooling
• 3 components:
  Borehole heat exchanger
  Heat pump and technical room
  Energy management system
• First installation achieved
  90% CO₂ reduction and
  60% energy consumption reduction using 80% renewable geoenergy

“We connect buildings to the Earth to reduce CO₂ emissions”
BOREHOLE HEAT EXCHANGER

Traditional vertical field (16 X 100 m)
BOREHOLE HEAT EXCHANGER

Drilling possible on occupied sites
DIGITAL CONTROL & DIGITAL MODELLING
Rénovation de 3000m² de bureau en région parisienne

- 82% ENR
- 51% OPEX
- 92% CO2