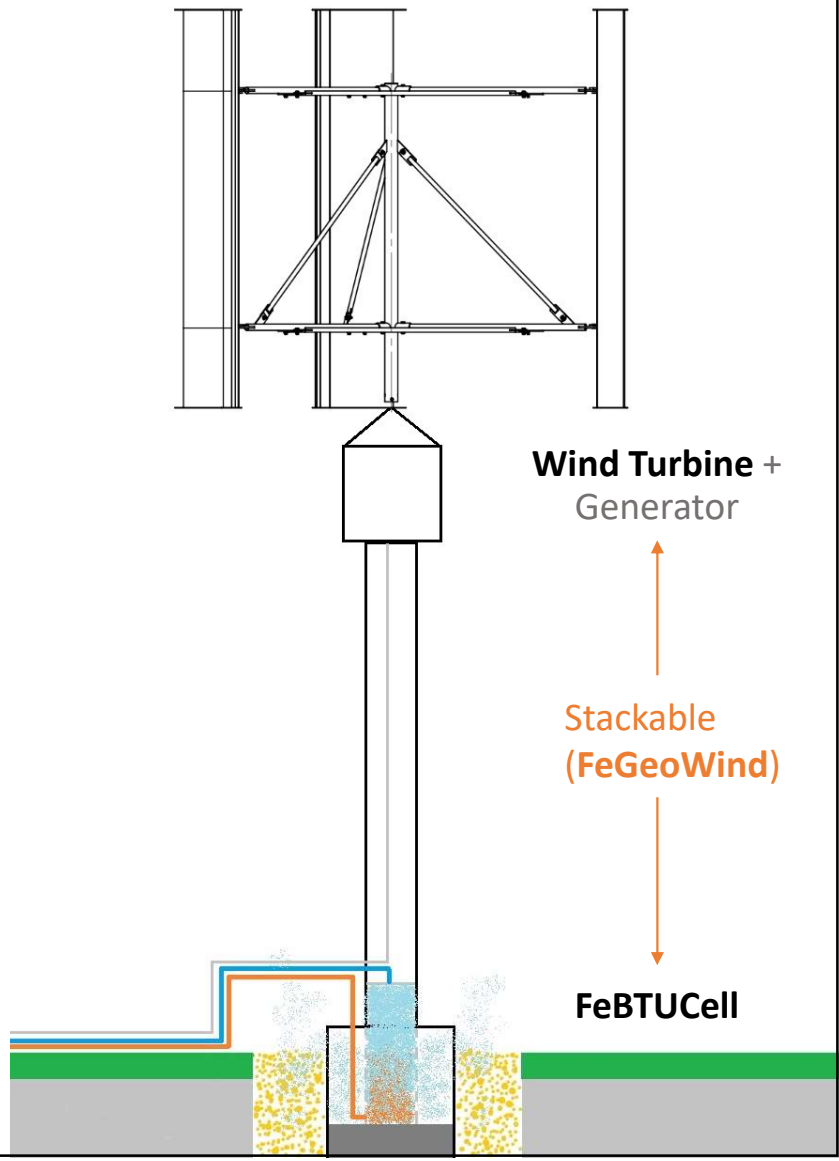
A new kind of **co-generation.**

FeBTUCell: Premium efficiency *heat-exchanger* for heating + cooling with a COP of 3-5+.

Vertical axis turbine: 10KW / 50 sq feet is **9X** the power generation concentration of solar PV.

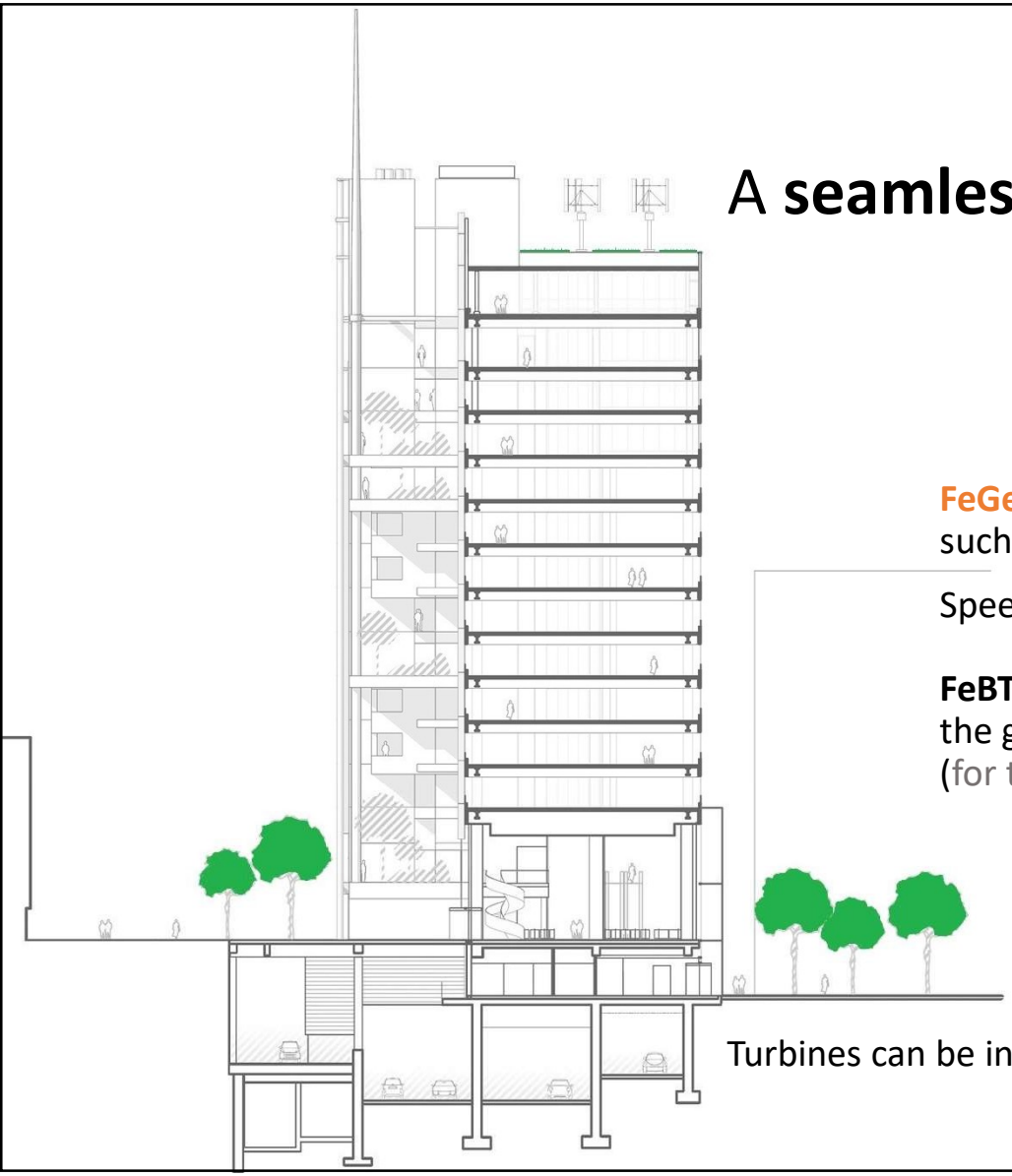
Small area enables nearby crop or solar space.



To ***batteries,*** *use,* or compressed air storage (electrical storage)

Water to *low GWP* ***heat pump*** (Cooling or heating)

A **seamless** extension of the built environment.



FeGeoWind is best installed near high wind, such as **on top of condos.**

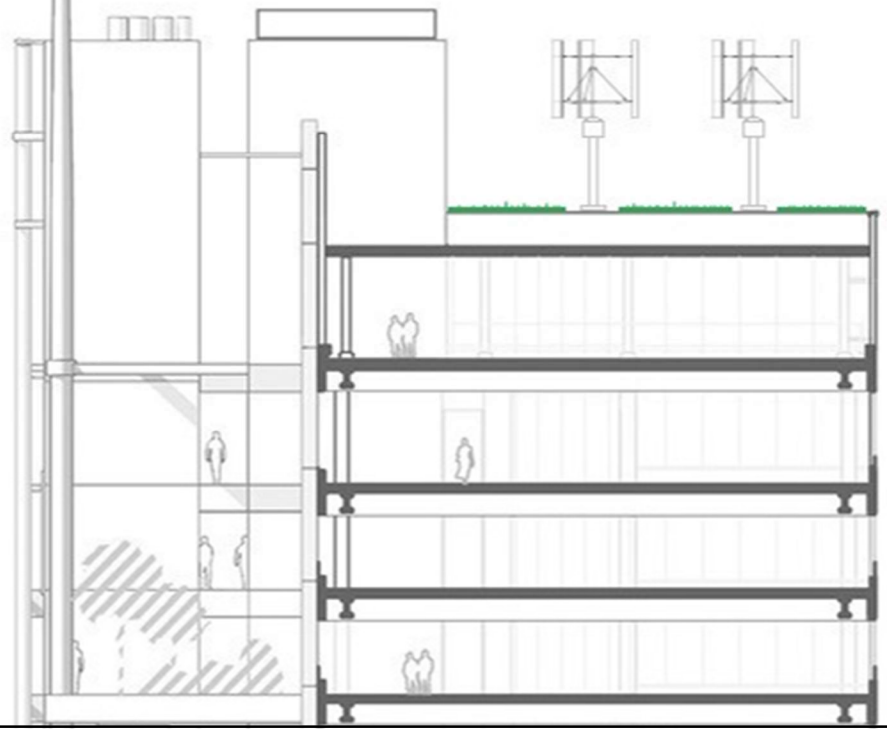
Speed can be throttled during excessive gusts.

FeBTUCell portion can be discretely installed on the ground near condos to aid heating + cooling (for the lower floors).

Turbines can be installed **anywhere** but benefit from higher elevations.

Can also be placed here for more FeBTUCell depth. (Using elevator shaft)

The **heart** of a green roof.



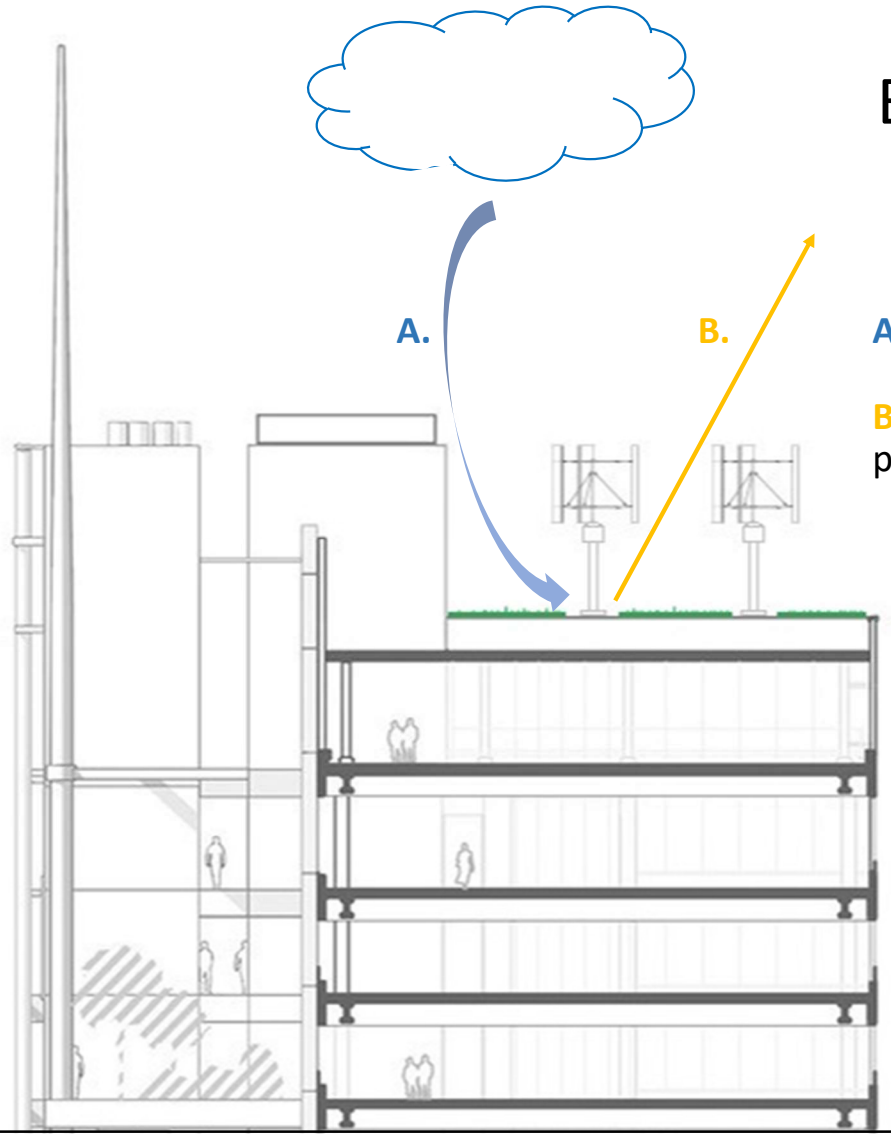
A subtle centrepiece for a modern building.

Ground source efficiency with the ***limitless*** thermal reservoir of air source systems.

Prefabricated new build (deeper in concrete) + retrofit (slightly raised) options.

The days of **eyesore** turbine options are gone.

Beating in harmony with **nature.**



A. Collect water during rain.*

B. Evaporate during drier sunny and overcast periods from the **FeBTUCell** gravel bed.*

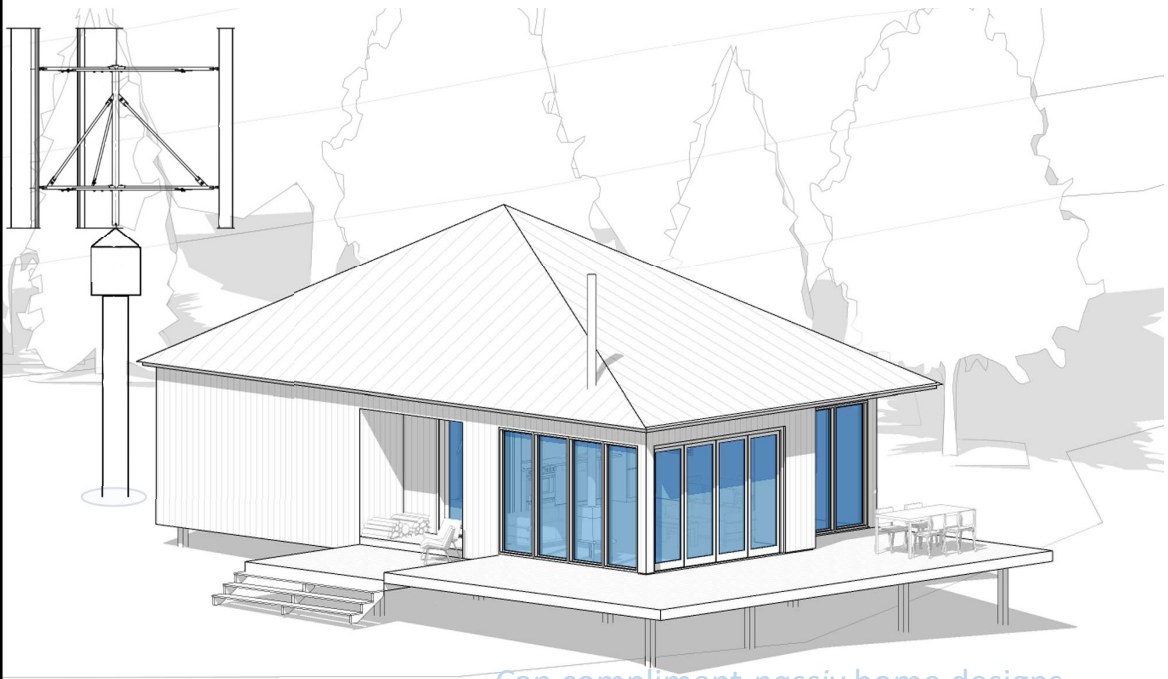
Evaporative Benefits

- Cooling load boost from a surface temperature dip.
- No warming up of roof slab in the summer (ground battery) or cooling down too much in the winter.
- **No rain tax** since water is *returned to nature*, not processed by the city.

*For cooling season. Snowmelt or make-up cycling in heating season

Off the grid **paradise**, suburban showstopper.

~~Rising~~ **Free** heating/cooling/power rates*



Can compliment *passiv* home designs.

- *5-year payback period, 50-year bliss.
- Meeting compliance through design, and testing where applicable (ASME, CSA C22, Fire Code of Canada, NBCC, etc.).
- Vertical axis turbine enables a compact ground heat exchanger right below that is **1.5-2x** more efficient than air-source (when comparing a similar heat pump).

Self-sufficiency, **solved**.

Moving towards an eco-utopia.

Licensing, patent sale and product purchase options are available.

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In collaboration with:

ecwit Feng FORGIONE

A **realized** experience.

**lower GHG emissions, lower ecotoxicity impact, clean lifecycle assessments.*

Low noise that blends in with nature, even during high rotation.

A formidable step towards a more sustainable* future.

FeGeoWind Test Site #1 at 37006 Blyth Rd. Goderich, ON.