Network From Home

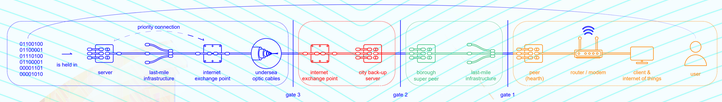
An Alternative to Internet Domestication, the Case of Montreal

Network from Home is centered on a **Super Peer City Network** and transforming homes into integral parts of this system. As a premise, Quebec uses HydroQuebec to nationalize Internet last-mile infrastructure. Montreal benefits from the nationalization of HydroQuebec's control of internet infrastructure, ensuring equitable distribution. The city functions as a super-peer network, decentralizing data storage across homes.

Silo Storage, using historic site Silo 5, houses city back-ups, with excess heat used for a cultural centre and vertical farming. **Points of Service** uses churches and local buildings like pools or libraries to manage the network, offering physical support locations and using excess heat for farming and building maintenance. **Home Hive** introduces servers into homes acting as central heating units, promoting energy efficiency and offer a way to convert class C office buildings into residential spaces.

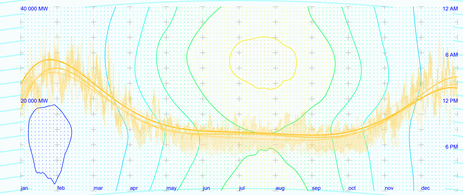
The peer server unit becomes a **hearth**, embodying the network, centralizing heating and energy efficiency. Hearths provide hot water and air conditioning. **IntraVirtual (IV)** is a mobile furniture piece centralizing domestic electrical devices acting like a personal heater. Minimalist bedrooms, or **nests**, are defined by canopy beds. A projection screen juxtaposes the window to frame the bed with storage on either side. The nest uses green curtains for privacy and bifold semi-translucent doors, making it a safe haven. This co-living proposal is ideal for individuals working from home, with shared kitchens and bathrooms fostering community, and living spaces placed in corners to maximize natural light.

Network from Home envisions a near future where the Internet serves communities equitably, fostering a digitally sovereign and culturally enriched Montreal.



Selected, Relevant Population Data for Census Year 2021

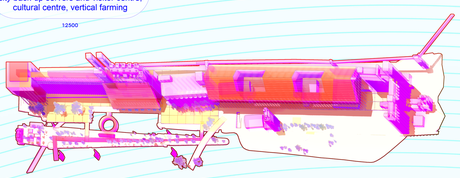
domestic electricity usage (2019 to 2022) vs. hourly temperature by day in montreal



silo storage

derelict silo 5 / farine five roses: city back-up servers and visitor centre, cultural centre, vertical farming

12500



point of service

heritage church saint-james: super peer borough data management, service centre, excess heat farming

11250

home hive

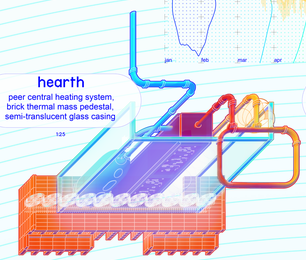
204 rue saint-sacrement: peer as hearth, communal living

1625

hearth

peer central heating system, brick thermal mass pedestal, semi-translucent glass casing

125



IntraVirtual

IV desk acts like a portable heater, integrated router, battery, extension cord, and light

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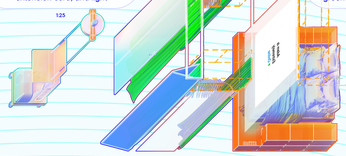
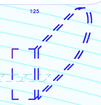
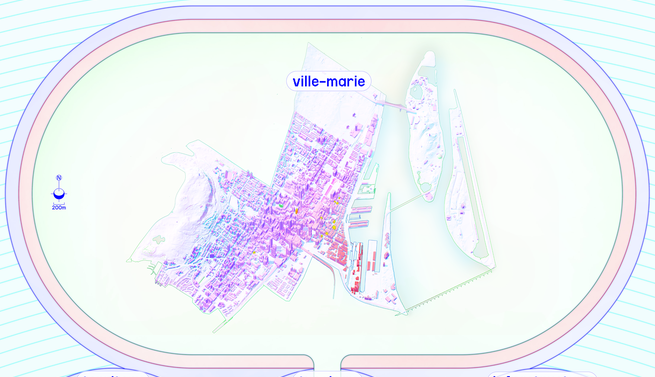
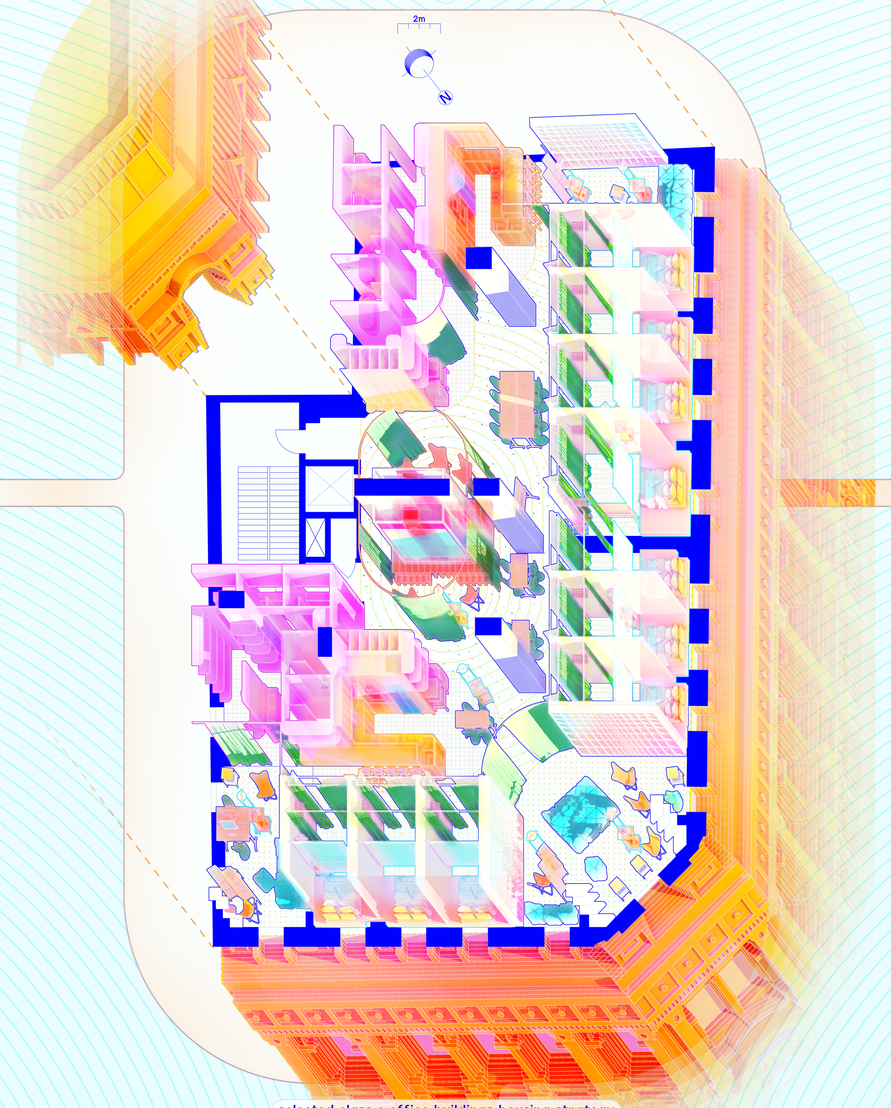
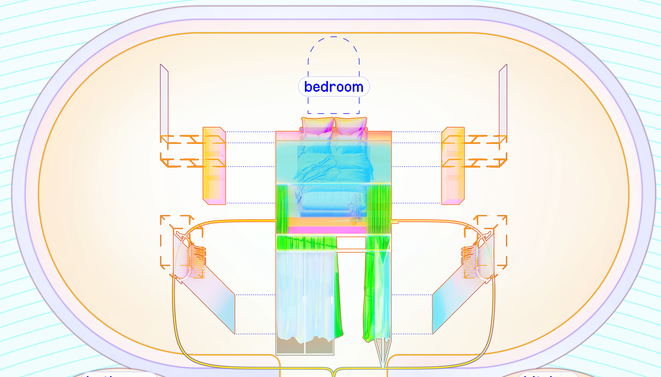
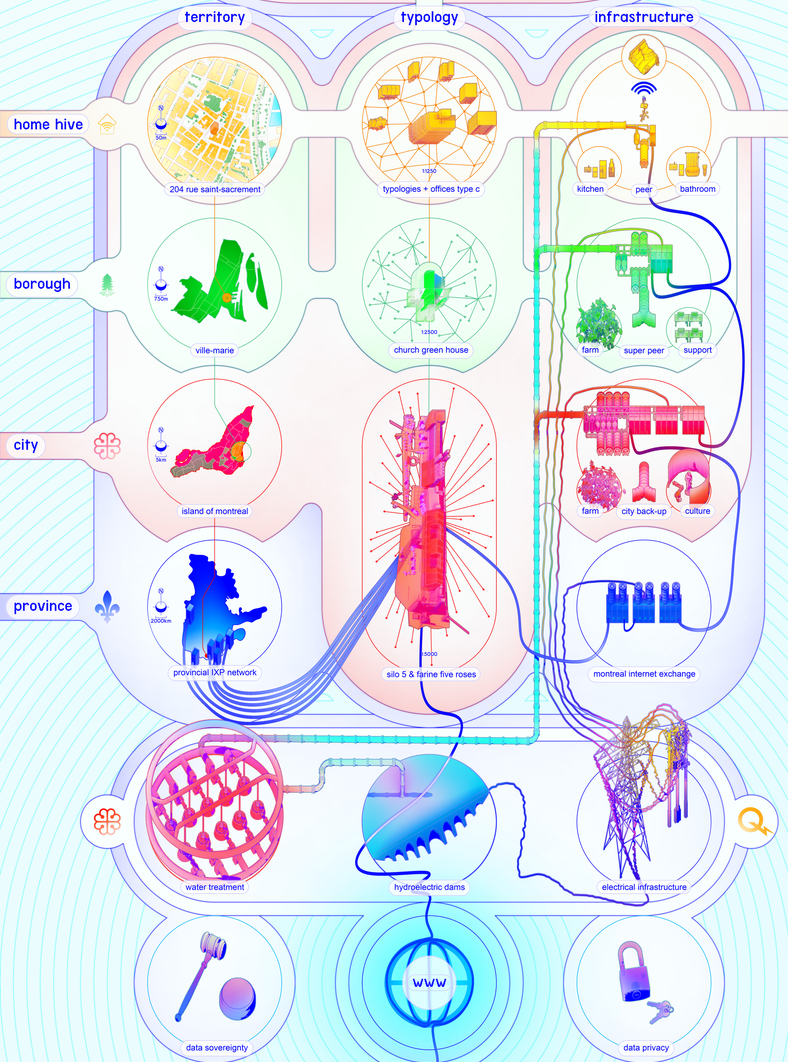
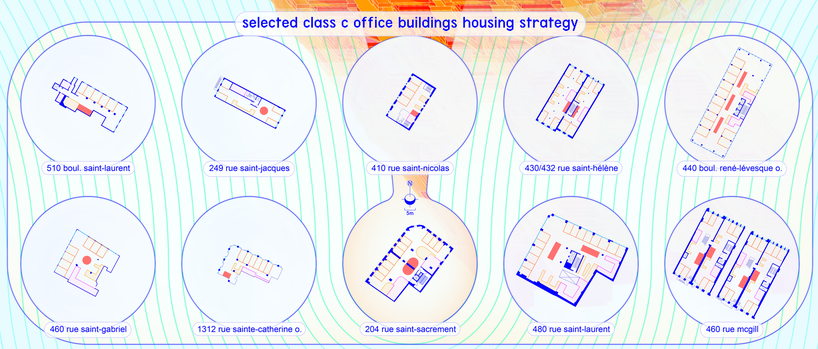
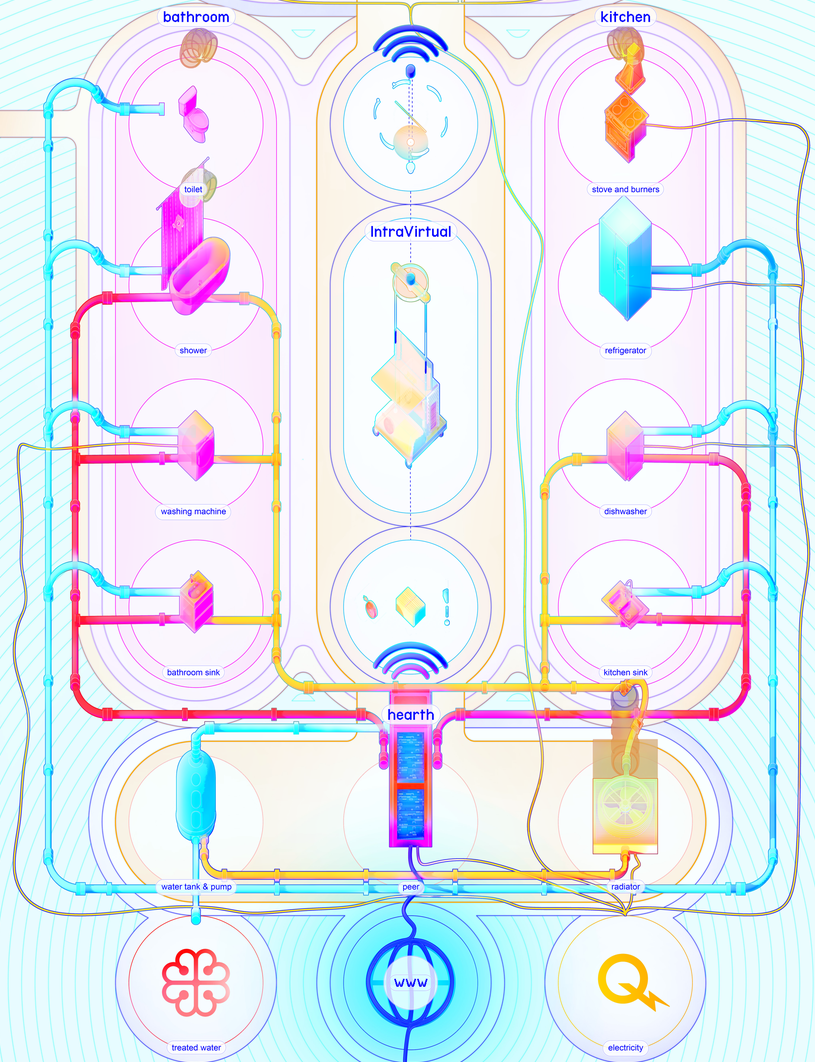


nest

canopy bed between a window and a textile media screen, protected by green curtains and folding doors

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