

MAISON PRODUCTIVE HOUSE :

ALL-SEASON AGRICULTURE + TRELLIS-GROWN BERRIES

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LOCATED IN THE densely built-up Montreal neighbourhood of Pointe-Sainte-Charles, Maison Productive House (mPh) is a nine-unit residential development that incorporates urban farming, producing affordable fresh produce for the residents. All residents of Maison Productive House have their own indoor and outdoor gardening spaces. Each unit has a solarium, and residents share a rooftop community garden and all-seasons greenhouse. The berry and herb gardens grow on trellises and edges of the fire-escape landings. Rainwater and grey water are collected and used to irrigate the rooftop garden and the dwarf orchard.

Every Friday evening, residents and neighbours gather in the ground-floor bakery to share pizza and stock up on fresh croissants. Residual heat from the bakery, and from a sauna within the building, heats the greenhouse, which has no other active heat source. The project generates synergies between social and environmental functions by providing a setting for testing sustainable lifestyles. Residents also have a car-sharing program and use energy-efficient technologies such as solar panels, geothermal heating, Energy Star-certified appliances and radiant floor heating. The building is Novacimat-certified and in the process of obtaining LEED platinum certification.

PHOTOS PRODUKTIF STUDIO DE DESIGN
JULIETTE PATTERSON is a principal at Catalyse Urbaine architecture et paysages. The firm worked with developer Rune Kongskaug of Produktif Studio and architects Blouin Tardif architecture to design the water retention system and food production spaces for the project.
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