GENERAL INTEREST

Invading the Bovine Boudoir

by Darlene Shura

Computers have invaded the bovine boudoir, helping Canadian dairy breeders produce superior livestock and maintain better breeding records. Canadian dairy cows are second to none in terms of higher milk production balanced with superior animal conformation. More than 65 countries around the world are using Canadian bloodlines and Canadian technology to improve their own livestock. It's big business, totalling more than $30 million in semen export annually.

The Canadian dairy industry is at the forefront in new applications that support the sale of livestock genetics at home and abroad. For example, a new software program is being developed by Semex Canada, the international marketing agency for Canada's six major cattle Artificial Insemination (AI) centres. It's an integrated Canadian Dairy Management Software Program called DRMS (Dairy Records Management System). DRMS will record all aspects of dairy husbandry, including animal identification, reproduction, production and health. It will also contain a Canadian corrective genetic mating program called "G-Mate", which will help dairy producers evaluate a number of bull and cow mating possibilities according to the economic goals of their operation.

"One of the hallmarks of Canada's AI industry is the commitment to genetic improvement" says Vern Osborne, Marketing Director, Farm Systems, Semex. "DRMS will enable breeders to keep better records and help us capture the data on a world-wide basis more effectively. For our Young Sire Proving Program, it means we can use data from around the world to test out the success of a new sire, and therefore keep the

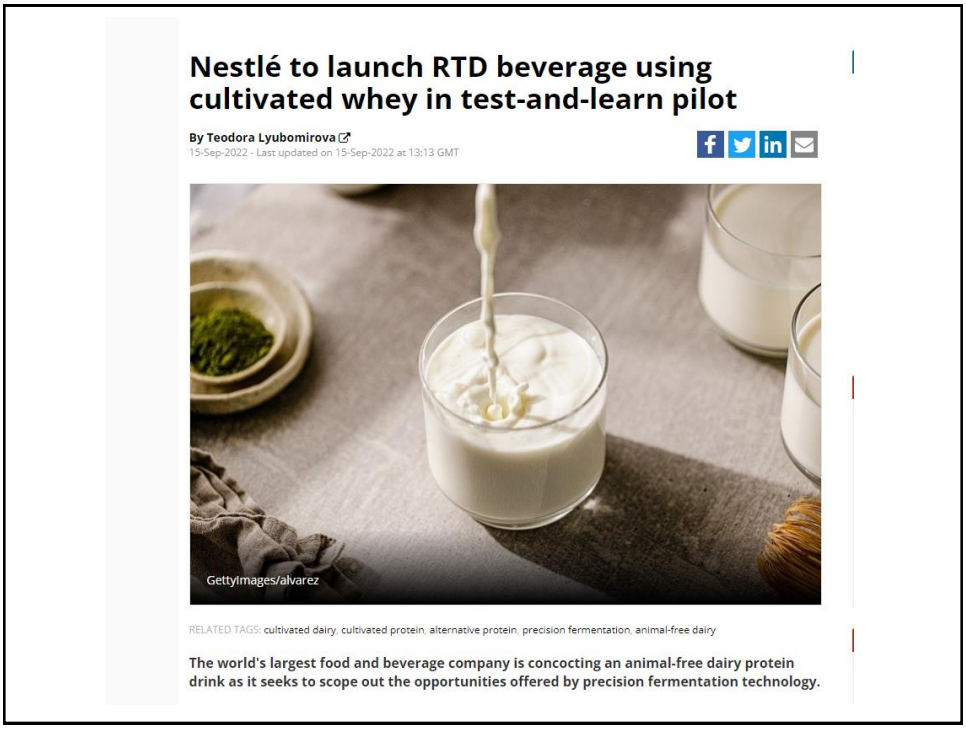
Vern Osborne of Semex: Keeping genetics at a superior level.

EXCHANGE 11


Greenland
Canada


Alaska
Yukon
Northwest Territories
Nunavut
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Newfoundland and Labrador
P.E.I
New Brunswick
Nova Scotia


Demandez aux experts
Demander le logo
Nous joindre
Communiqués de presse
Français
ON
Le lait au Canada
Plaisirs laitiers
Durabilité
Éducation Nutrition
Recherche laitière
LES PRODUCTEURS LAITIERS DU CANADA
Tous les jours, nos producteurs laitiers s'efforcent de nous offrir un lait canadien toujours meilleur. Allez à la rencontre des travailleurs qui rendent possible le savoureux lait 100 % canadien.
On est partant
UN AVENIR DURABLE. ON Y TRAVAILLE DEPUIS LONGTEMPS.
ARTICLE | 30 JUIN 2022
Depuis des dizaines d'années, les producteurs laitiers d'ici se sont engagés à produire du lait tout en prenant soin de l'environnement pour les générations à venir. Aujourd'hui, ils s'engagent à atteindre la carboneutralité d'ici l'année 2050.

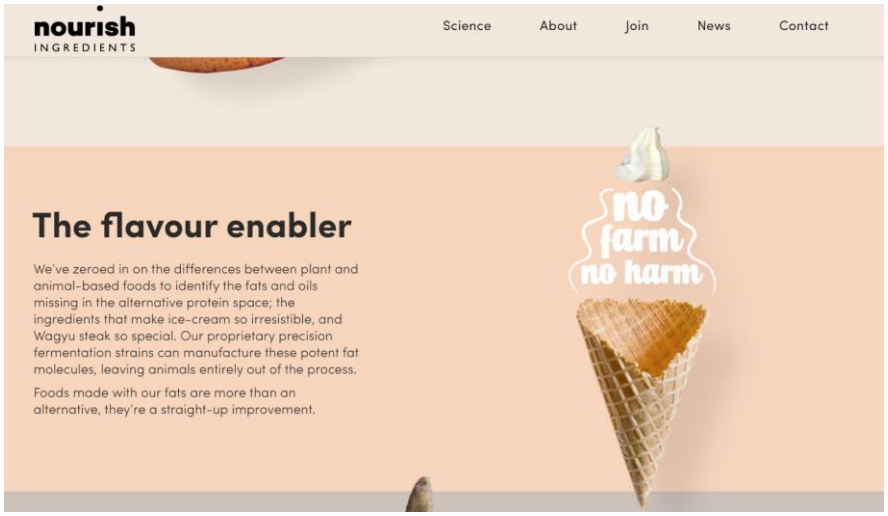

Nestlé to launch RTD beverage using cultivated whey in test-and-learn pilot
By Teodora Lyubomirova
15-Sep-2022 - Last updated on 15-Sep-2022 at 13:13 GMT
GettyImages/alvarez
RELATED TAGS: cultivated dairy, cultivated protein, alternative protein, precision fermentation, animal-free dairy
The world's largest food and beverage company is concocting an animal-free dairy protein drink as it seeks to scope out the opportunities offered by precision fermentation technology.

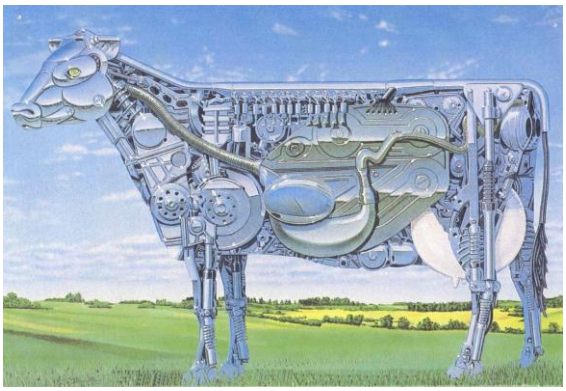
Remilk: 'We are on a mission to transform the entire industry'

By Teodora Lyubomirova
26-Sep-2022 - Last updated on 28-Sep-2022 at 12:48 GMT

RELATED TAGS: cultured milk drink, Protein, Dairy alternatives, vegan, plant-based, Dairy

From the company's plans to unveil the largest ever precision-fermentation facility to its push into the US, we catch up with Remilk CEO Aviv Wolff to find out how things are panning out for the food tech specialist.





Une ferme résiliente qui produit du lait, des céréales, des fibres et des services écologiques

A resilient farm that produces milk, cereals, fibre and ecological services

Le Futur de l'Agriculture
(Agriculture's future)

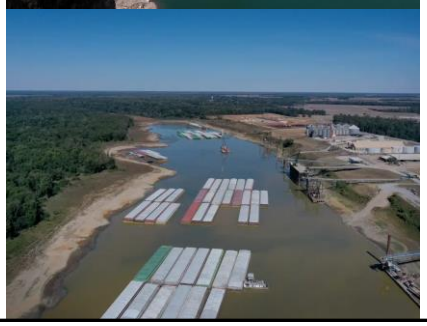
- La viabilité sera basée sur les éléments suivants (Viability based on these themes):
  - Air
  - Eau (Water)
  - Sols/terres (Soil/Land)
  - Énergie (Energy)
  - Travail (Labour)

Émissions Atmosphériques
(Air Emissions)

"Le plus grand défi du 21ème siècle sera les changements environnementaux causés par les comportements humains" (NRC, 2003)

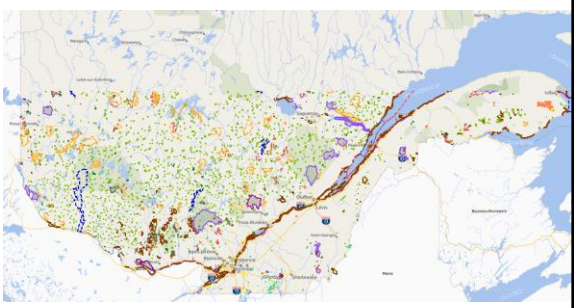
Eau (Water)

- Droits relatifs à l'eau
  (Water rights)
- Qualité de l'eau
  (Water quality)
- Stabilité de l'aquifère
  (Aquifer stability)
  - Autorités de conservation
- Irrigation des plantes fourragères? (Irrigating forages)



Sols et terres
(Soil/Land)

- Ressource limitée, ils n'en font plus
  (Not making anymore of it)
- Cohabitation harmonieuse entre les milieux
  (Cohabitation of people/agricultural practices)
- Où l'agriculture peut-elle prendre son essor?
  (Places to grow for agriculture ?)



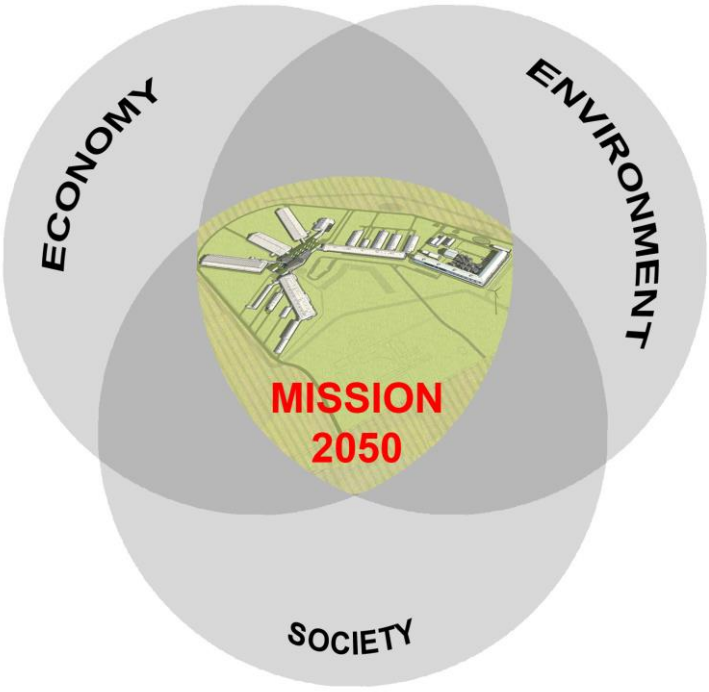
Énergie
(Energy)

- Coûts énergétiques et environnementaux véritables de la production Agricole
  (Embodied energy/environmental costs of food production)
- Cultures énergétiques
  (Energy crops)
- (résidus pour le combustible ou l'amendement des sols)
  (residue for fuel or soil amendment)
- Énergie solaire/AD/eolienne
  (Wind/AD/Solar)
- Captage/sockage du CO_2
  - (CO_2 capture/storage)
- Hydrogène

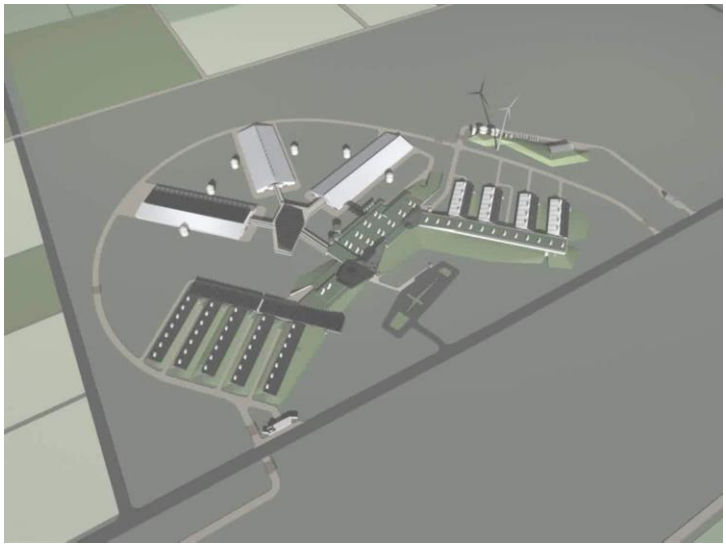
Travail/Enveloppe de bâtiment
(Labour/Building Envelope)

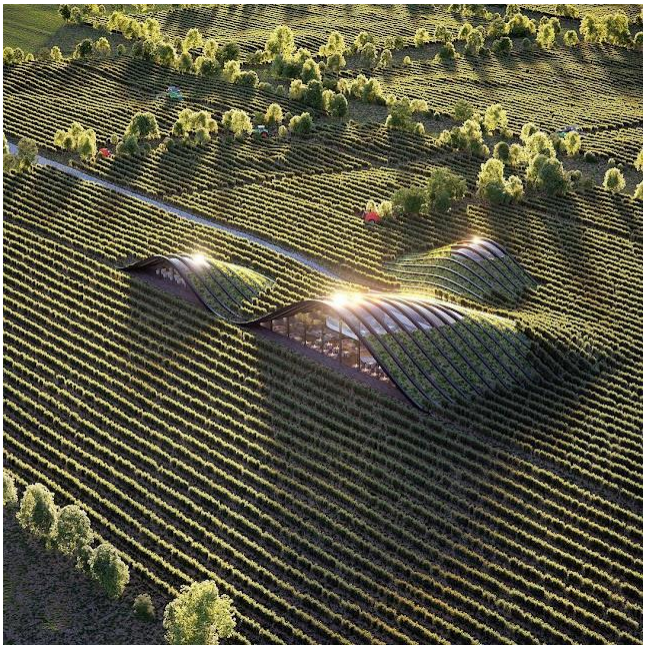
- Robotique
  (Robotics)
- Nanotechnologies
  - Fermentation
- Technologies de bâtiments démontables
  (Removable building technology)

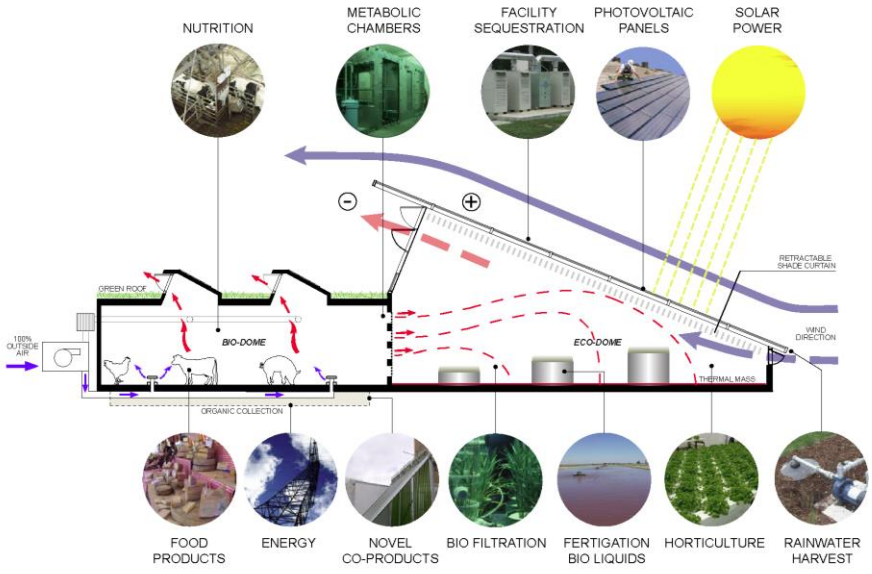
MISSION 2050



Mission 2050

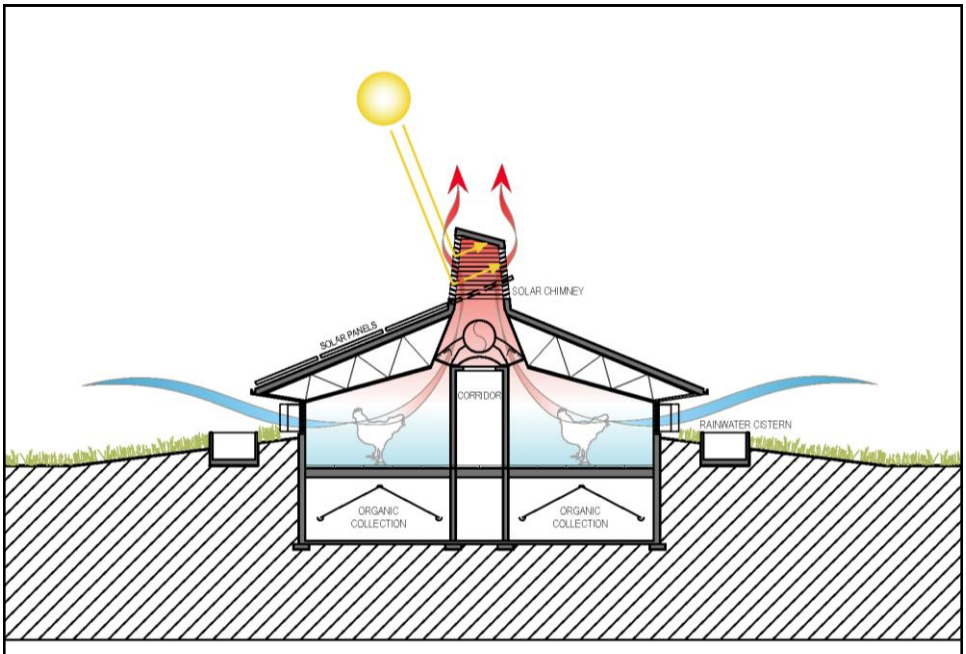




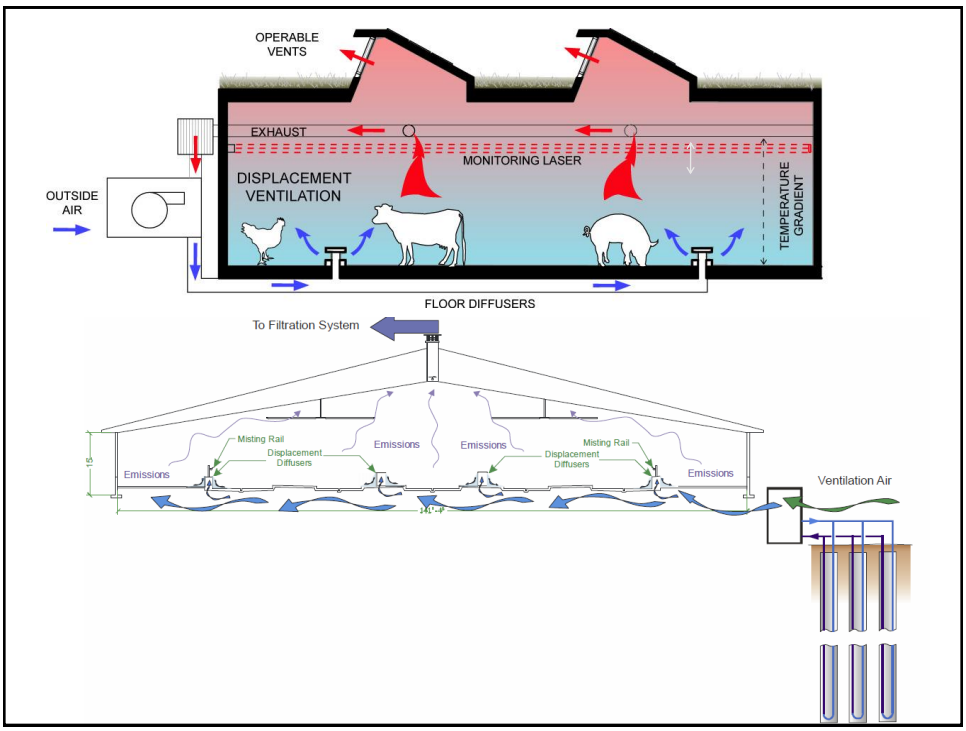


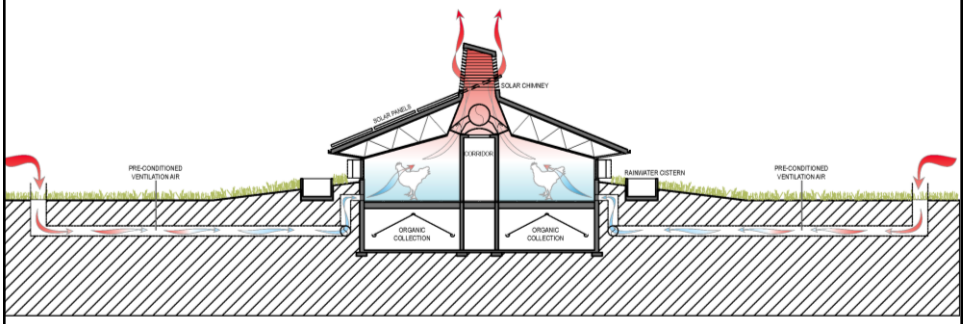
capture et récupération totales des ressources

Total Resource Capture and Recovery

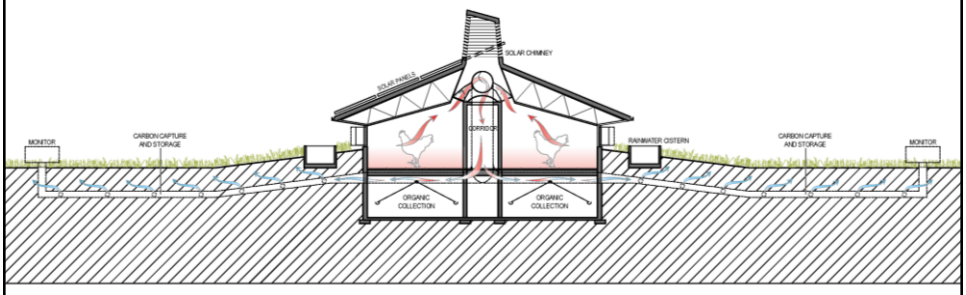


Ventilation Naturelle Natural Ventilation



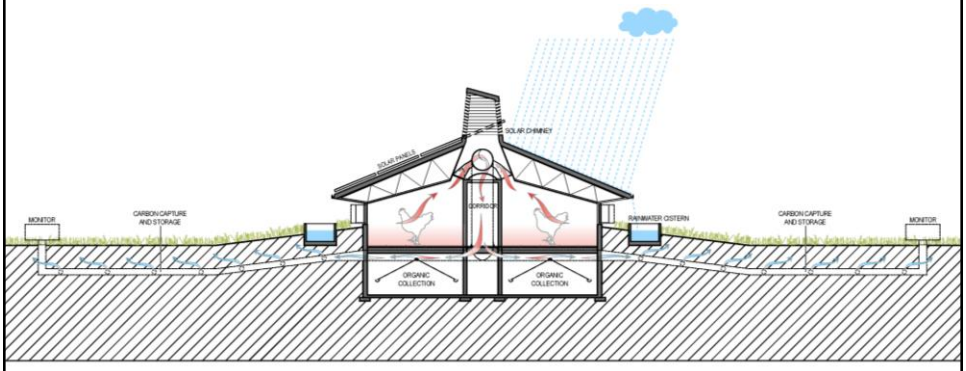


Earth Tube: Preconditioned Ventilation

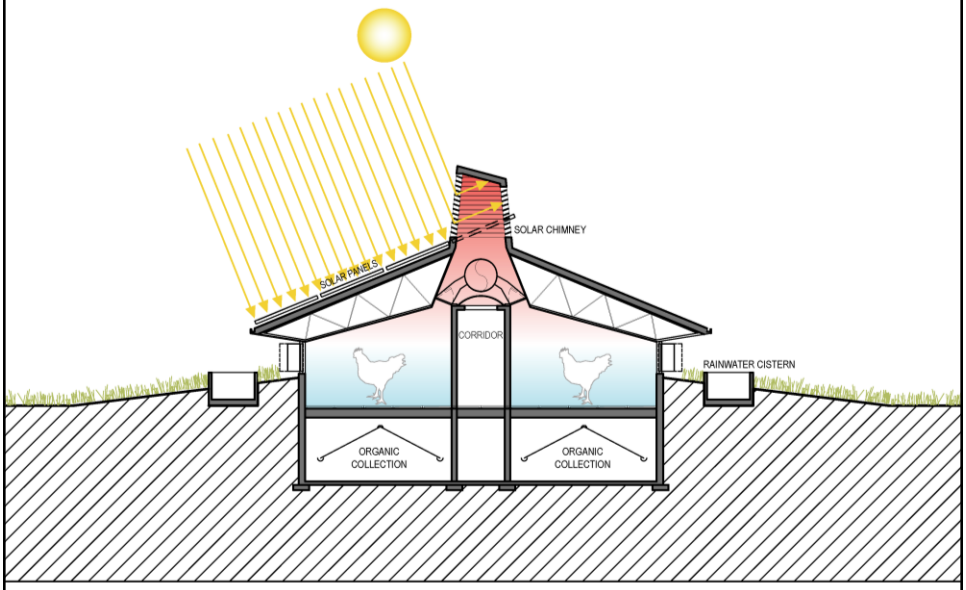


La capture et le stockage du carbone

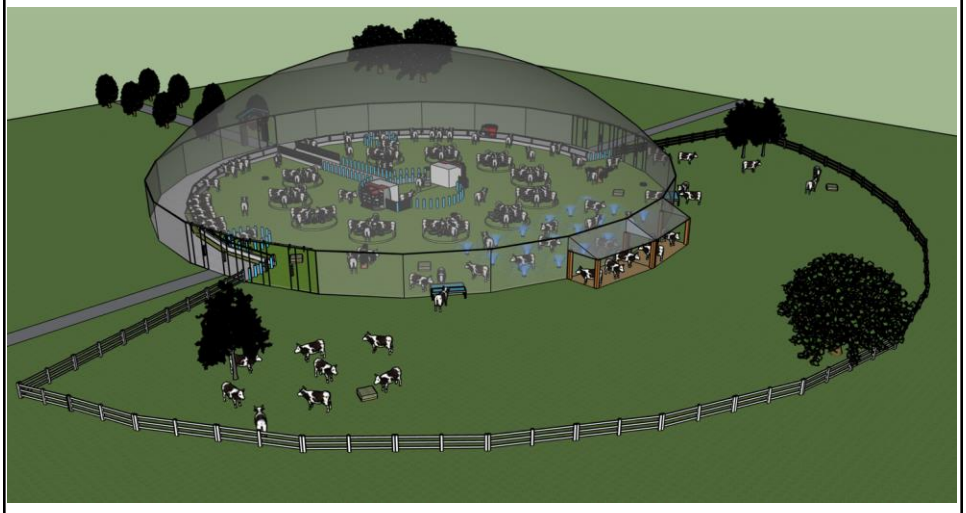
Carbon Capture & Storage

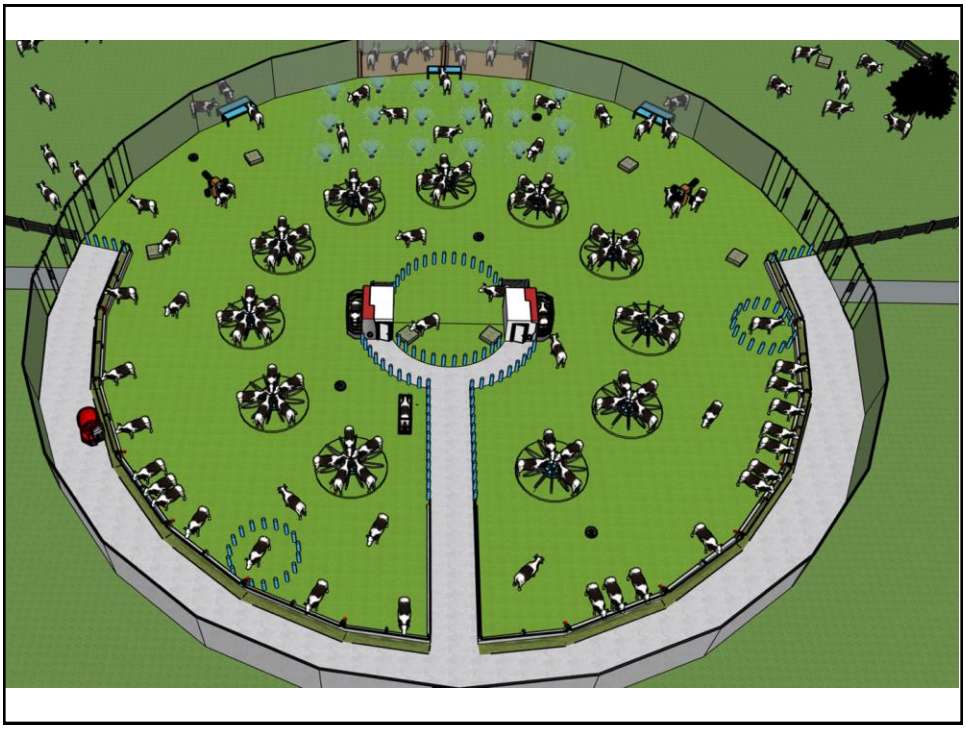


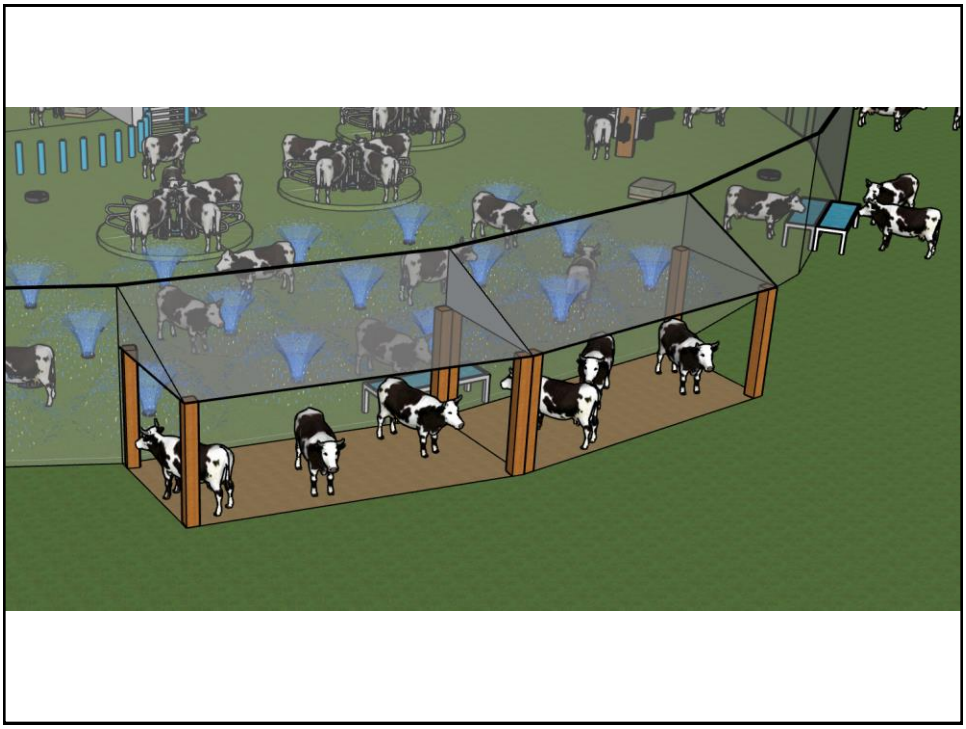
Récupération des eaux pluviales Rainwater Harvesting

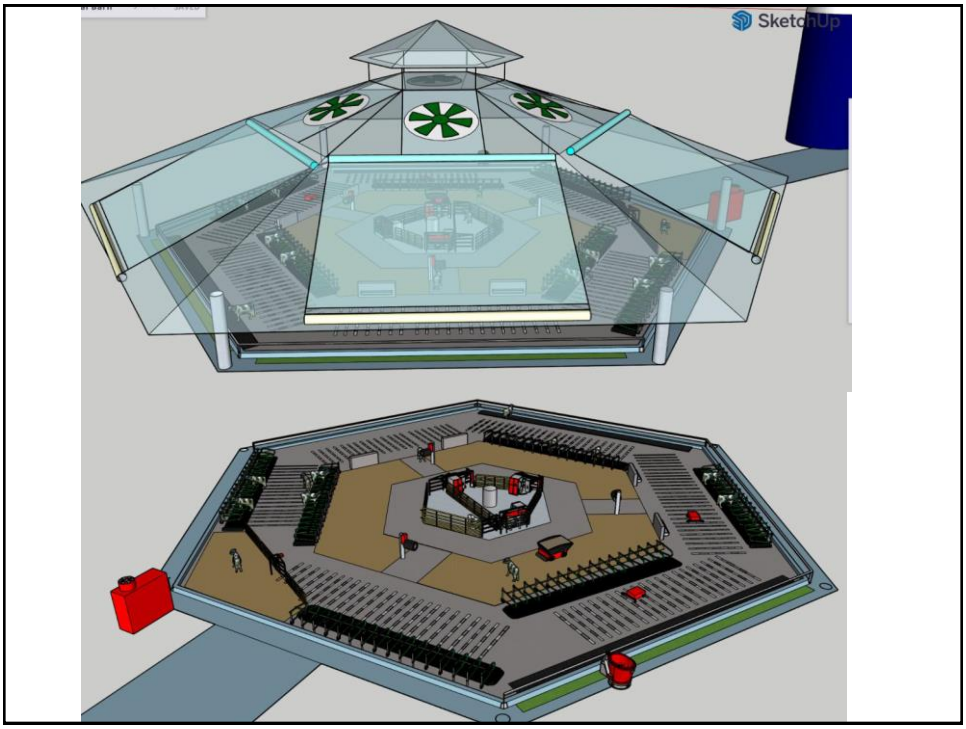


Énergie renouvelable Renewable Energy





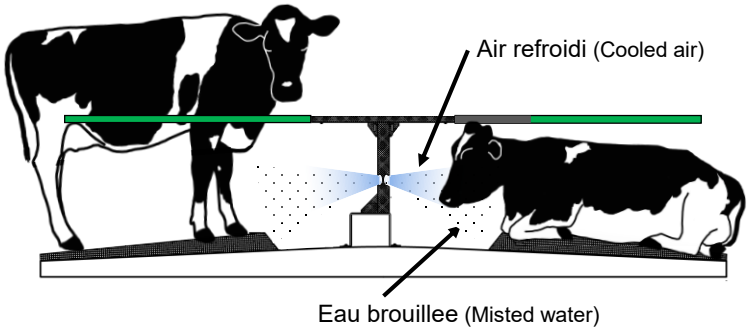


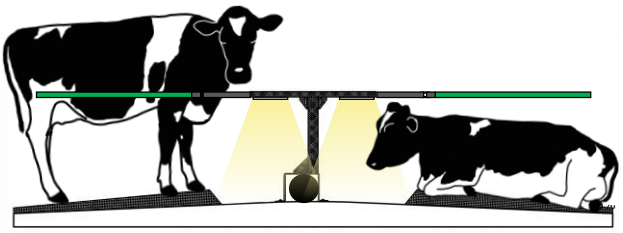


Mouvements de conception

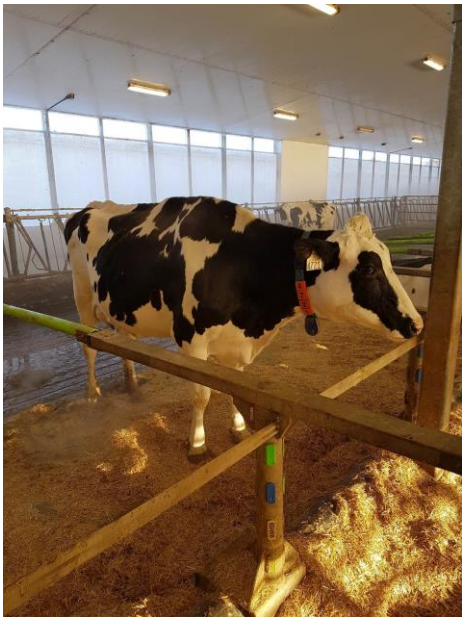
(Design Movements)

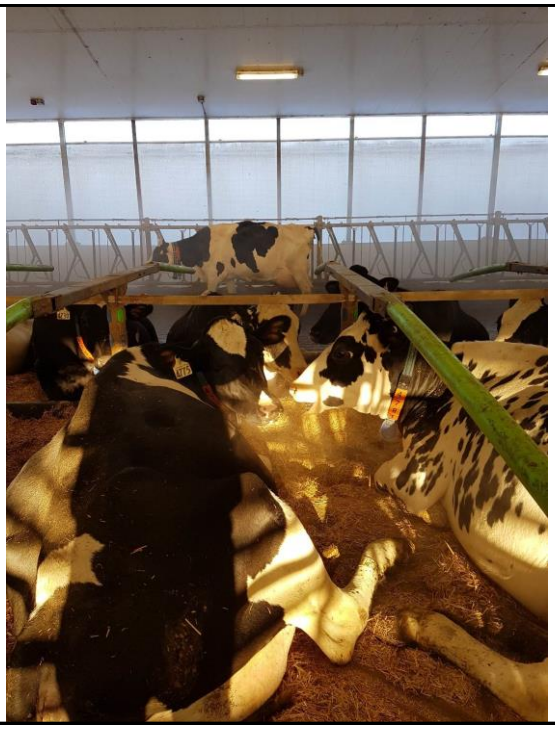
- Animale
  (Animal)
- Personnes
  (People)
- La nutrition
  (Nutrients)
- Fumier
  (Manure)

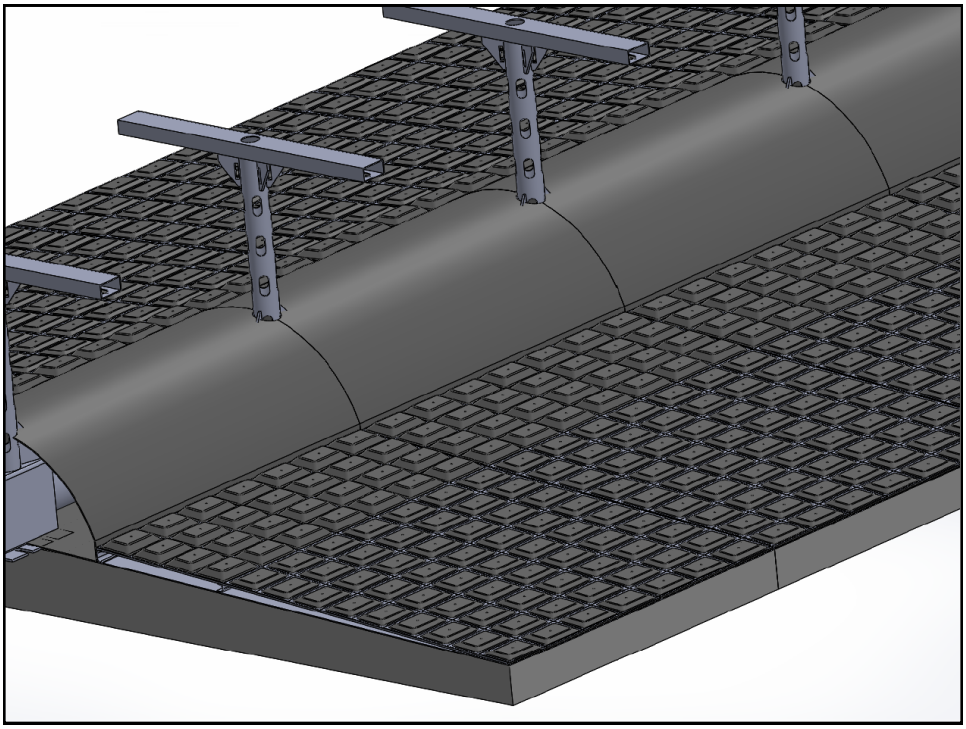


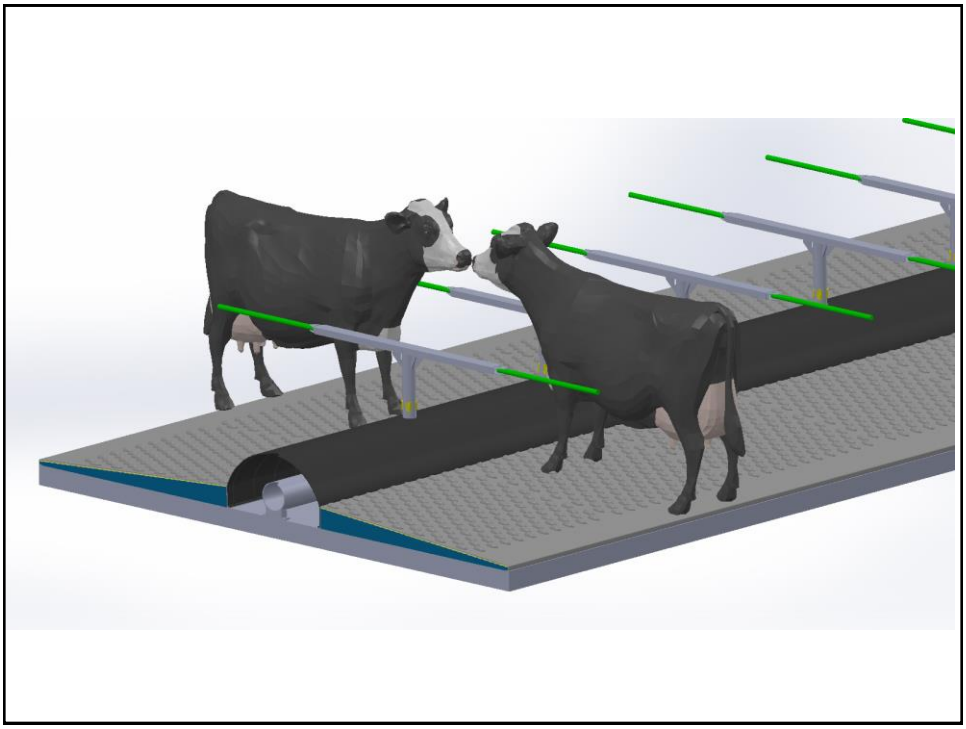


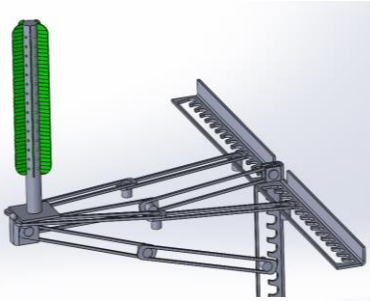
Lumiere LED

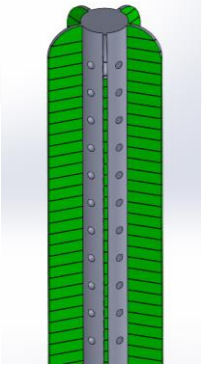




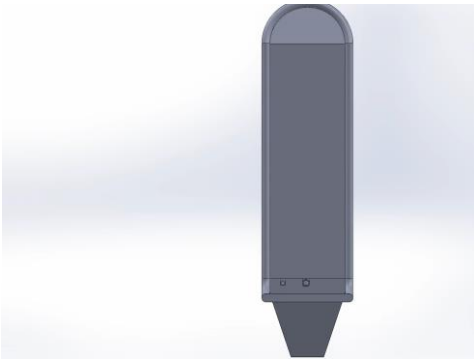




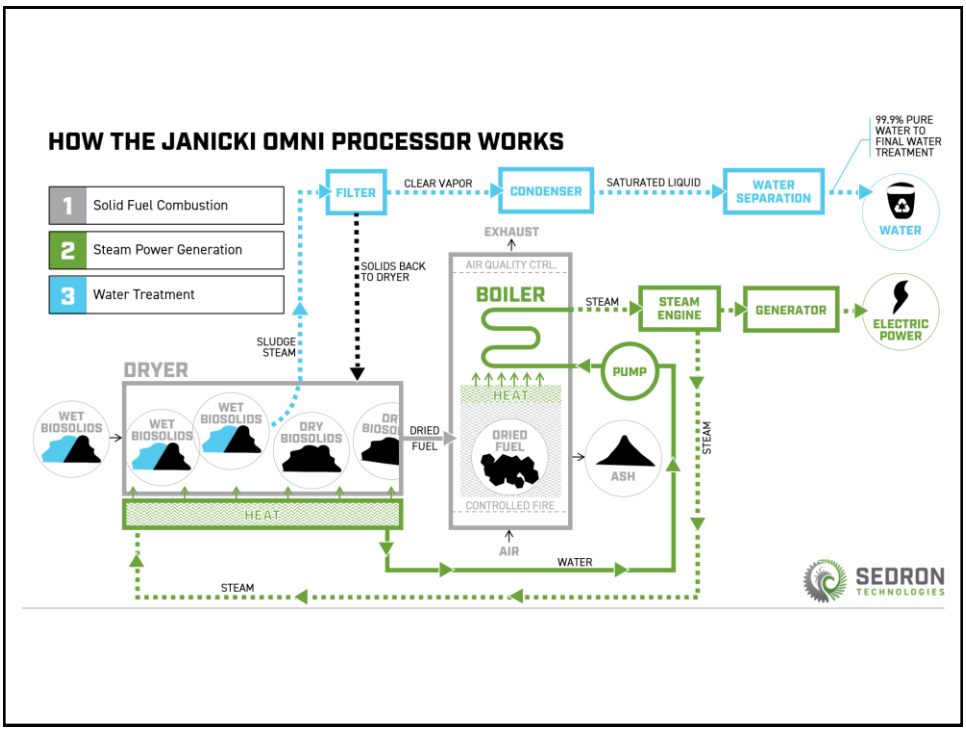




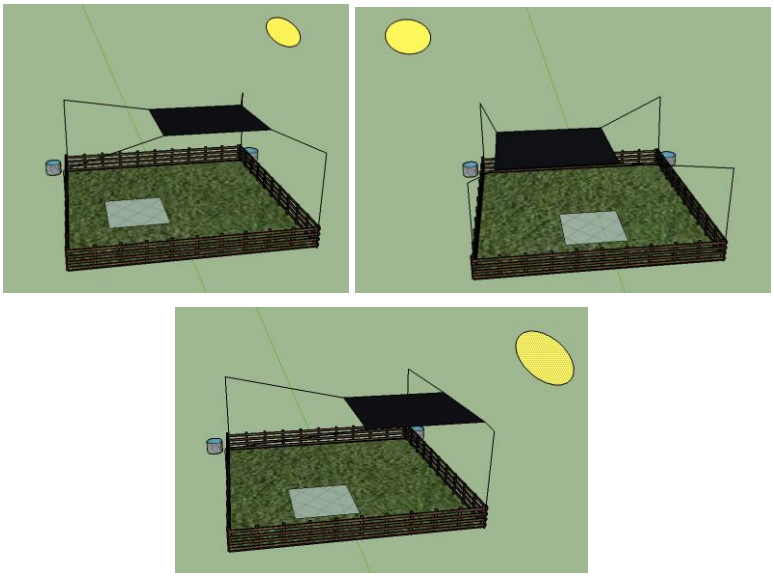

DeLaval




DeLaval

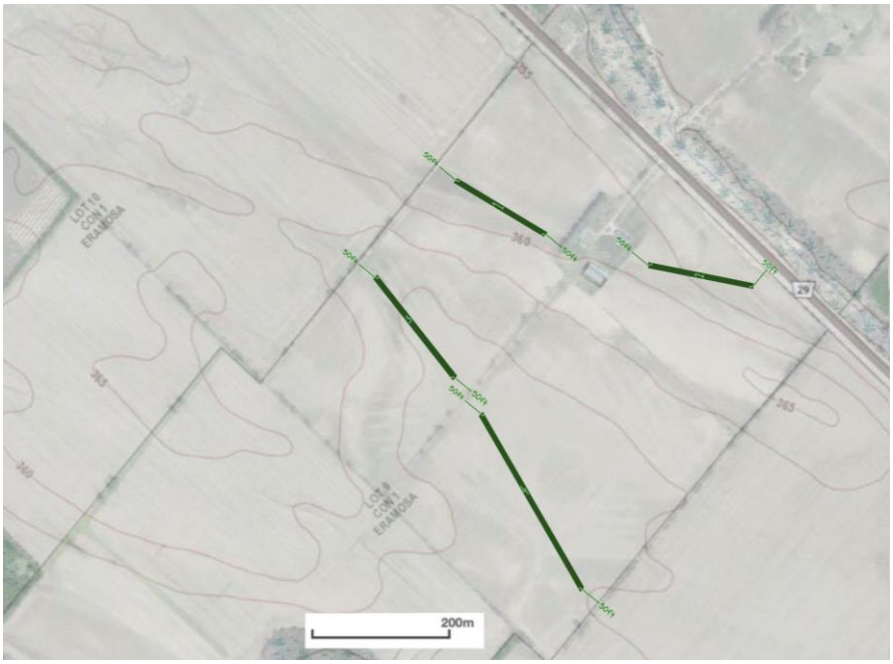

HOW THE JANICKI OMNI PROCESSOR WORKS
1 Solid Fuel Combustion
2 Steam Power Generation
3 Water Treatment
FILTER
CLEAR VAPOR
CONDENSER
SATURATED LIQUID
WATER SEPARATION
99.9% PURE WATER TO FINAL WATER TREATMENT
WATER
EXHAUST
AIR QUALITY CTRL
BOILER
SOLIDS BACK TO DRYER
STEAM
STEAM ENGINE
GENERATOR
ELECTRIC POWER
SLUDGE STEAM
DRYER
PUMP
WET BIOSOLIDS
WET BIOSOLIDS
WET BIOSOLIDS
DRY BIOSOLIDS
DRIED FUEL
HEAT
DRIED FUEL
ASH
CONTROLLED FIRE
STEAM
HEAT
AIR
WATER
STEAM
SEDRON TECHNOLOGIES

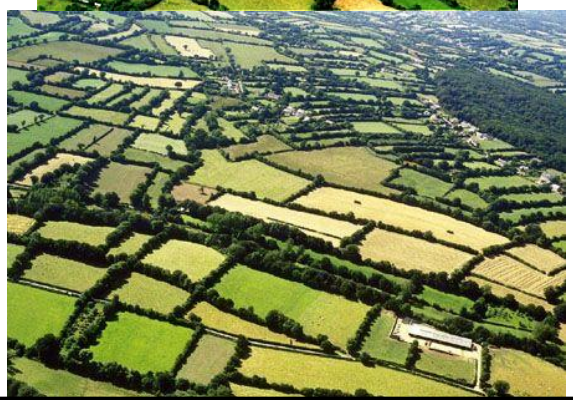
120/6 Paturage

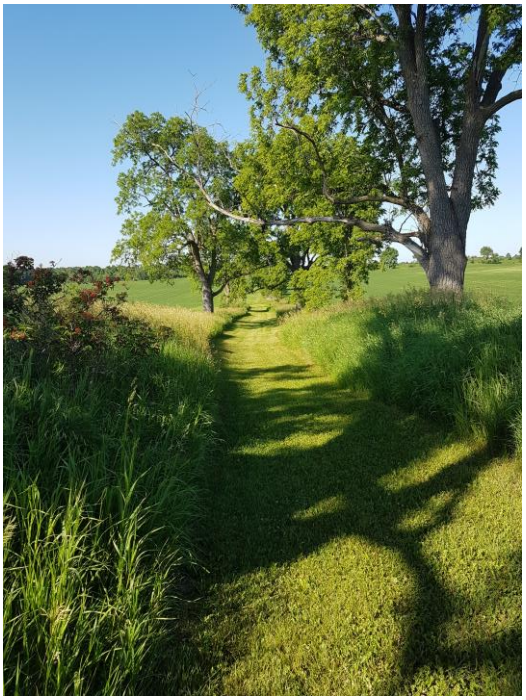


La ferme (The farm)


0.21 km
0.61 km
0.12 km
Area: 0.15 km²
Perimeter: 1.75 km
0.11 km
Area: 0.06 km²
Perimeter: 1.04 km
0.09 km
0.15 km
0.18 km
0.40 km
0.22 km
0.23 km
Area: 0.14 km²
Perimeter: 1.51 km
0.32 km
0.40 km


LOT 1-0
CON 1
ERAMOSA
365
360
50m
200m





Merci