2 MSEK in prize money
- 1 MSEK from Vinnova
- 1 MSEK from the competition partners


SSEC


SLU


eit
Climate-KIC


BJUVS
KOMMUN

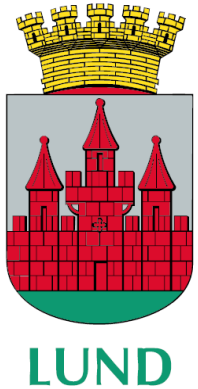

kraftringen


VINNOVA


Atri
nova
AFFÄRSUTVECKLING


e·on


Länsstyrelsen
Skåne


LUND


Malmö stad


ICA
GRUPPEN


VEOLIA


Sustainable
Business Hub


REGION
SKÅNE

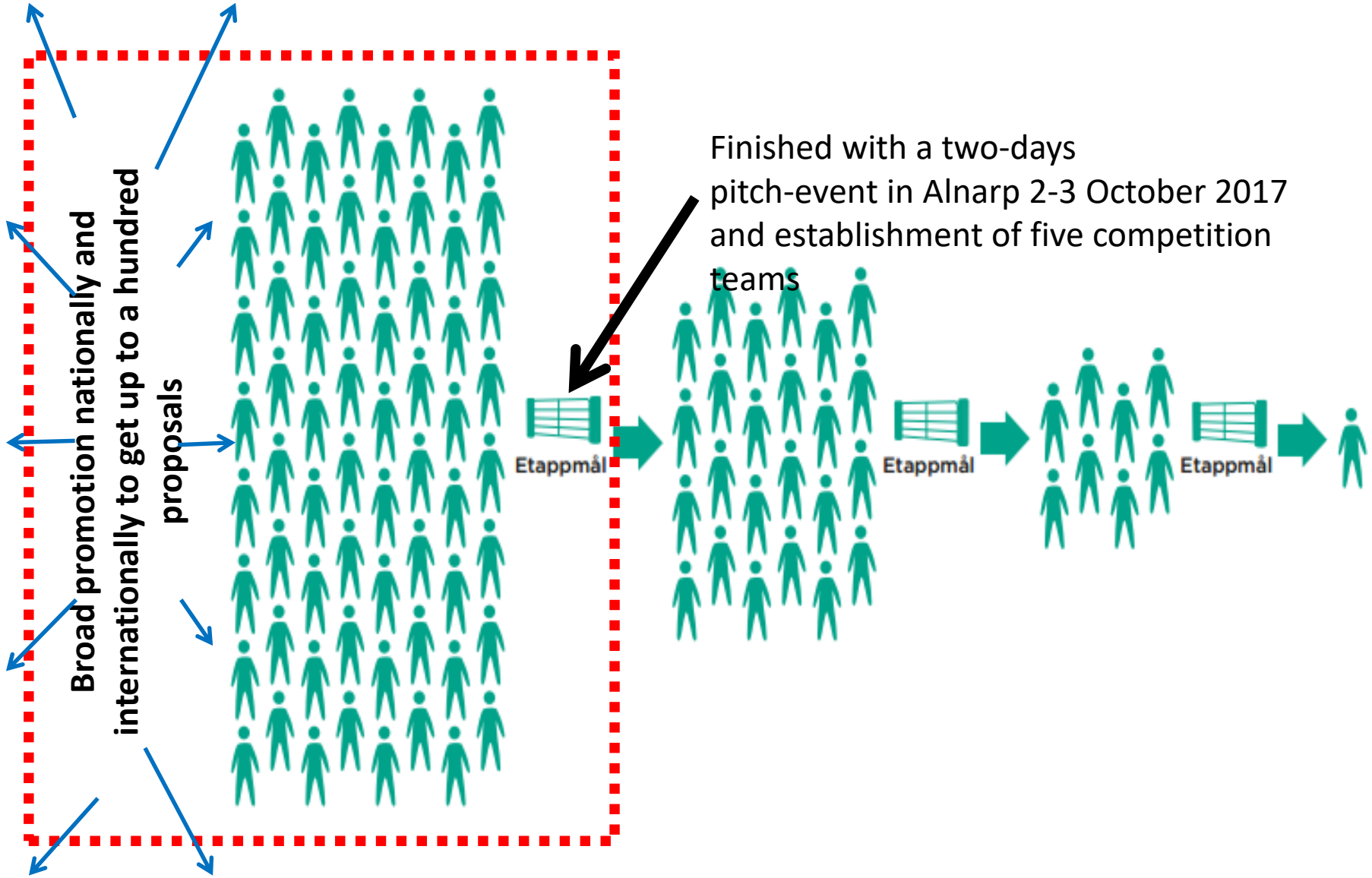
Comptetion question(s)

- How can biological production units using low temperature residual heat – and possibly other residual flows for biological production – be organised so that they can be located in dense urban areas whilst also having the potential for side functions such as in-house shop, food processing area, opportunities for employment and spaces for community events and social meeting?
- How can the production process be organised to be space effecient whilst maintaining profitability?
- How can technical challenges such as heat storage, heat distribution and cycles of residuals be solved alongside the project's ambition to create social value in the local community through the creation of employment, social meeting places and local distribution, sales and processing?

Practical implementation within a few years

- **Oskarshamn** as a model plant.
- **Bjuv** as a model plant for Bjuv Food Valley
- **Brunnshög i Lund** with the Brunnshög project and Ica
- **Malmö hamn** with Nyhamnen and industrial symbiosis with Norra hamnen

Step 1 Open Innovation Process



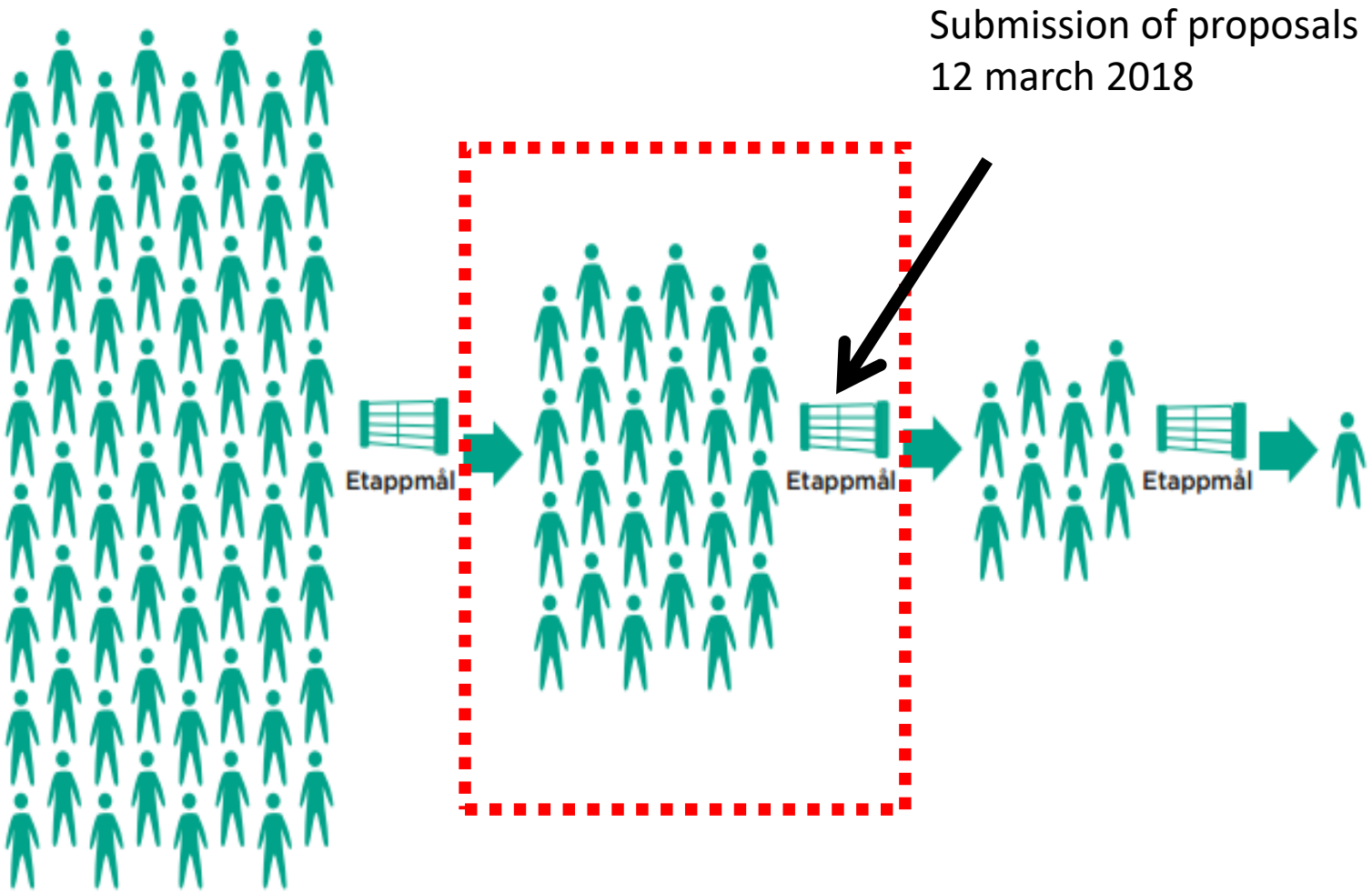
Resultats from step 1

- 46 proposals submitted
- From 21 different countries
- 28 proposals invited to present at the pitch-event 2-3 october 2017 i Alnarp, 21 proposals attended
- Six teams had interest in becoming team leaders and five was invited to step two

Pitch-event Alnarp 2-3/10 2017

Peter Vagnsbo, Climate-KIC

Step 2 Interactiv process with five teams



Results from step 2

- 5 teams/proposals invited to step 2
  - CE Farm. Urban Farming Company. Contact: Jason Morenikeji. Scotland.
  - Green Phoenix. AquaBioTech. Contact: Kyra Hovenaars. Holland/Malta.
  - Growing Together. Samraekt Ltd. Contact: Ragnheidur Thorarinsdottir. Island.
  - Season 5. Tailormade arkitekter/Greenhouse living. Contact: Fredrik Olsson. Sweden, Göteborg.
  - Urban Ecosystems. Hemmaodlat ideell förening. Contact: Niklas Hjelm. Sweden, Malmö.
- 3 proposals invited to step 3
  - Island, Samraekt ltd
  - Sweden (Malmö), Hemmaodlat ideell förening
  - Sweden (Göteborg), Tailormade arkitekter AB

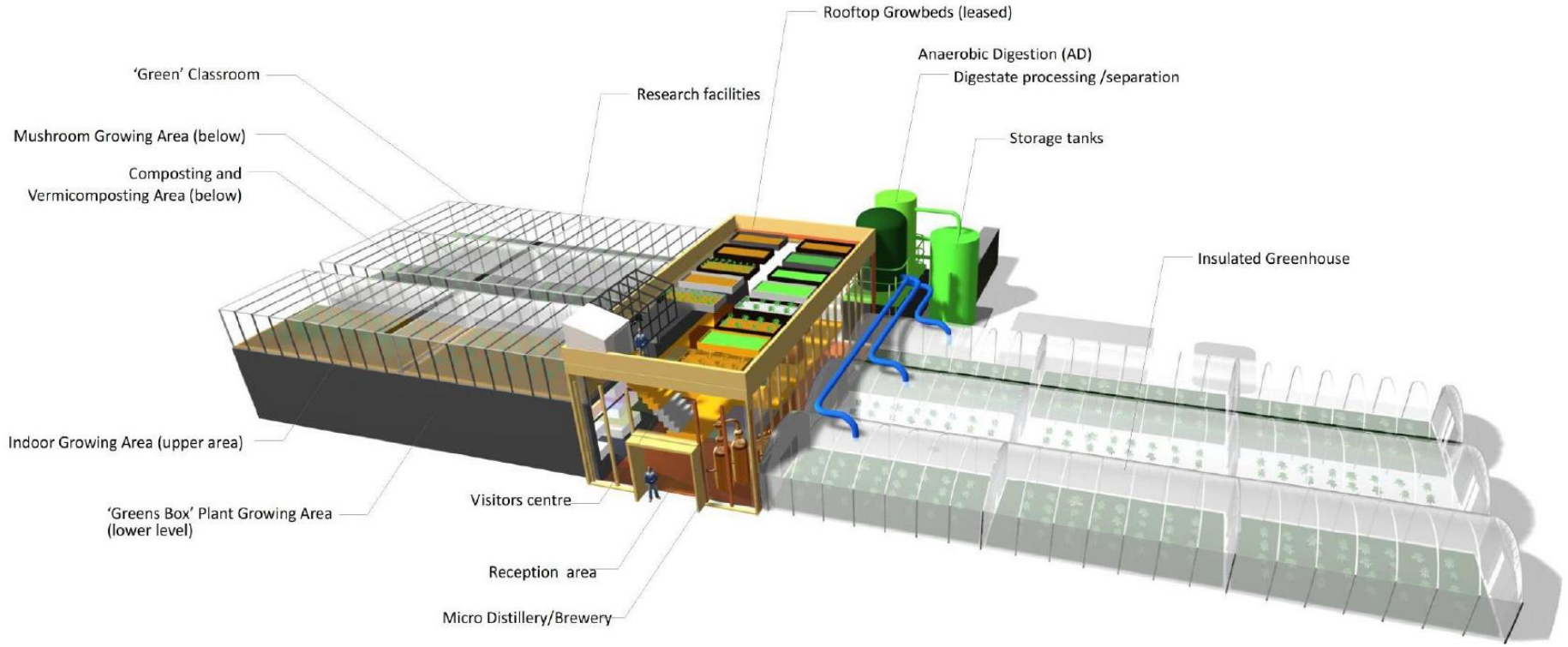
Key partners:

Project Management & leadership
Urban Farming Company

Sweden-based project management
TBC

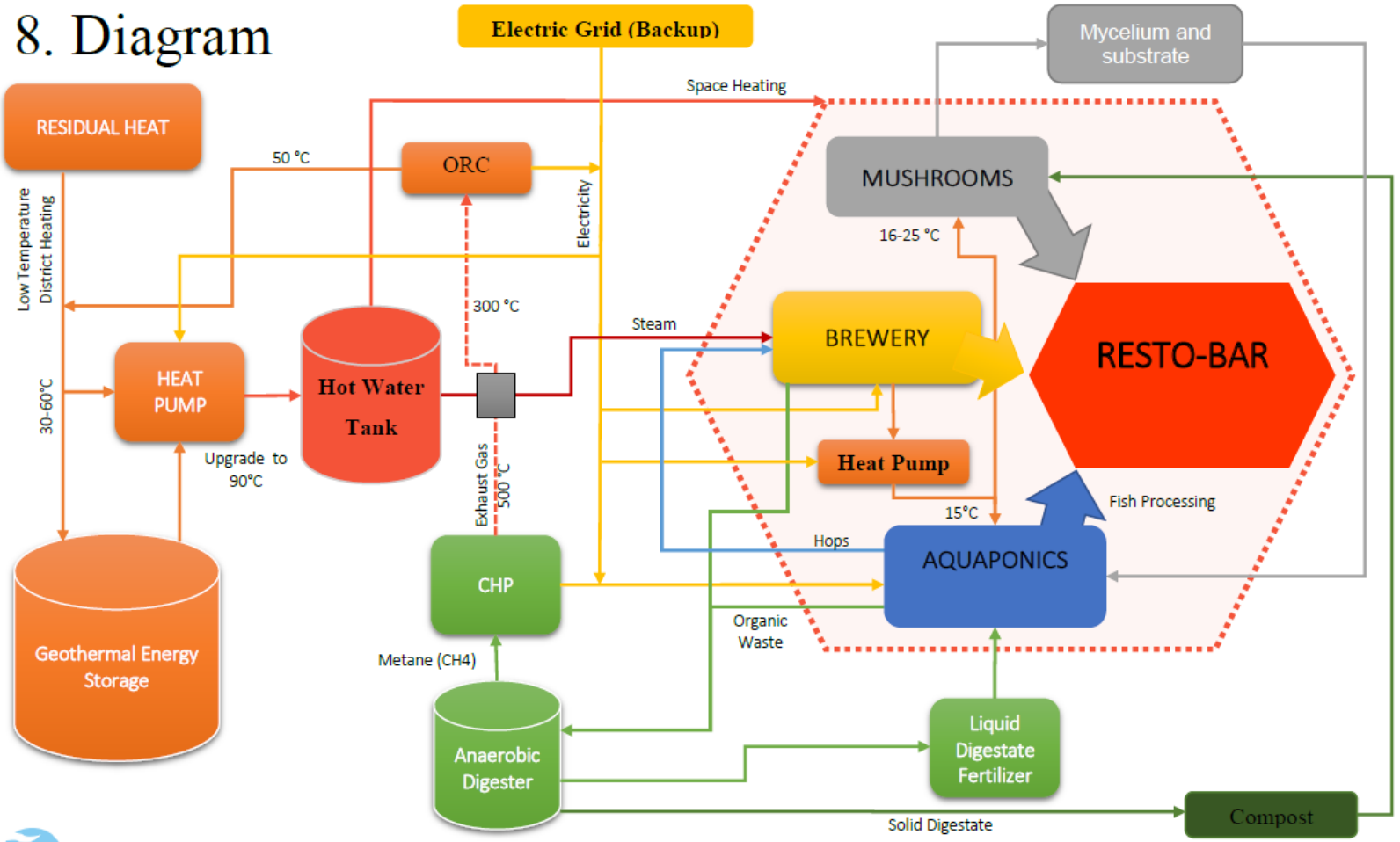
Technical design / Infrastructure:
-Grønt Skifte (Norway)

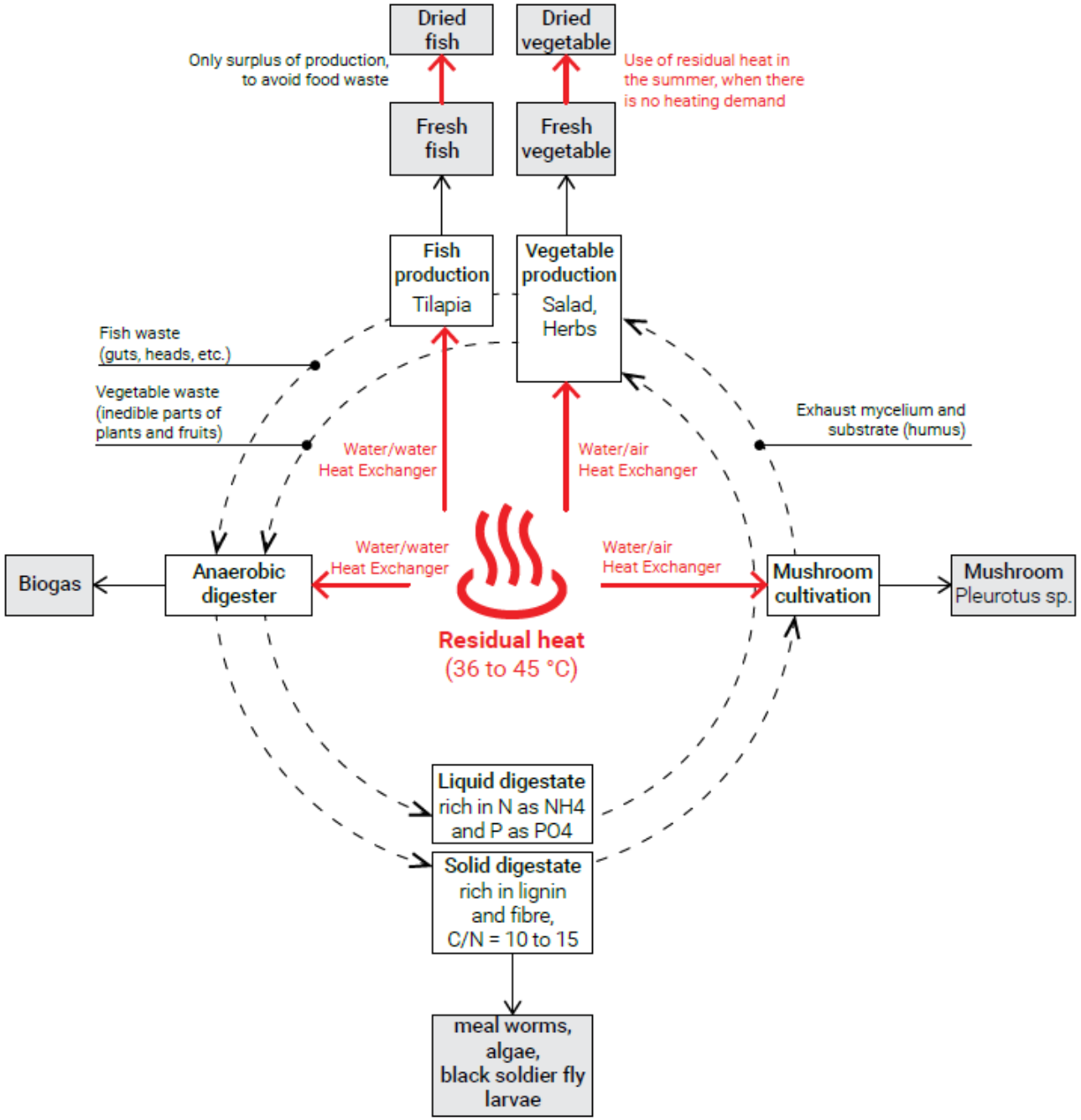
Urban farming



Green Phoenix

8. Diagram



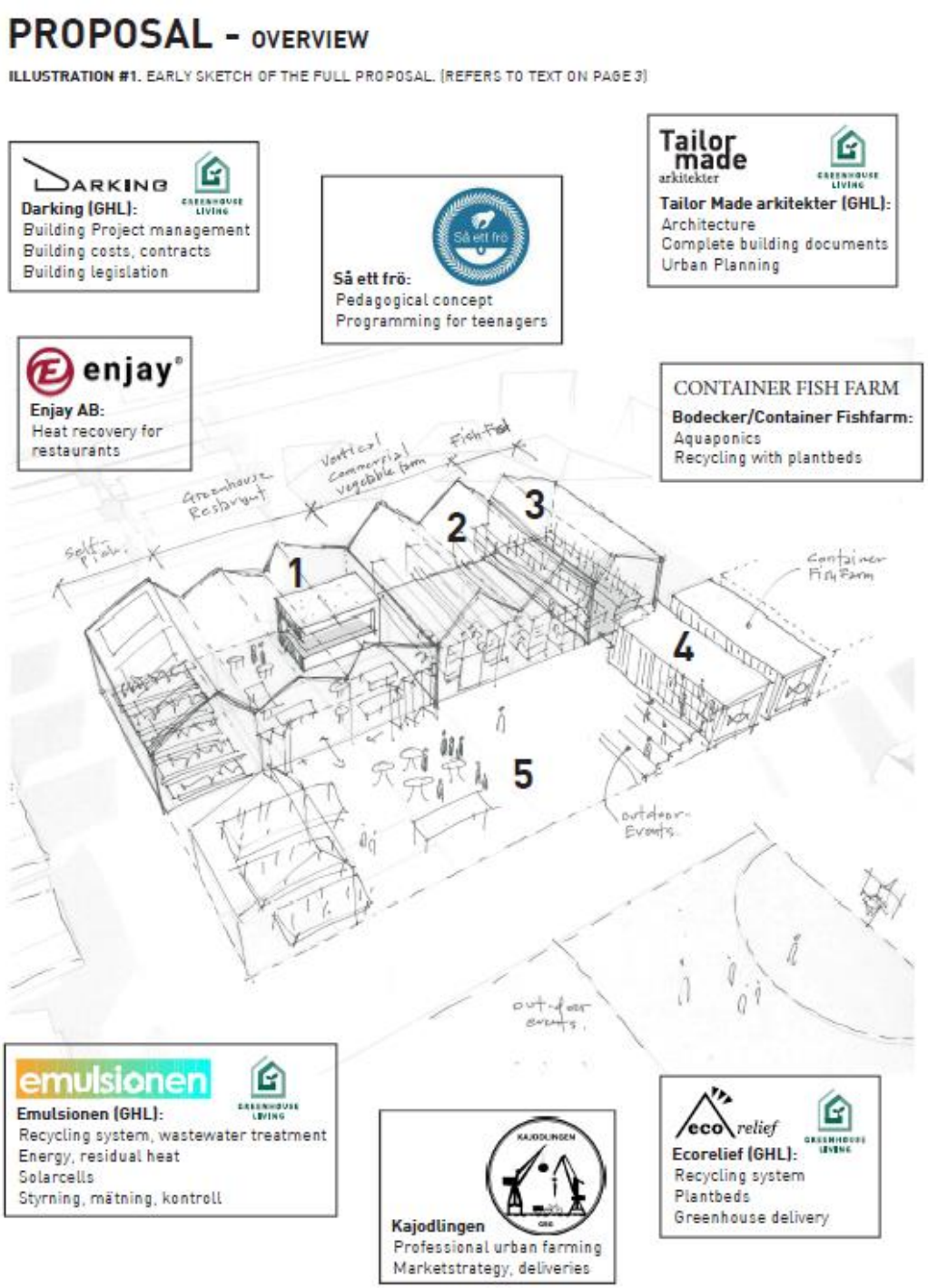


Growing together

SAMRÆKT

Season Five

Team leader:
Tailor-made arkitekter
Partners:
- Darking AB
- Ecorelief AB
- Emulsionen AB
- Container fish farm AB
- Enjay AB
- Kajodlingen AB
- Så ett frö



Urban Ecosystems

FUNCTIONAL AREAS OF THE GREENHOUSE

- How it all comes together -

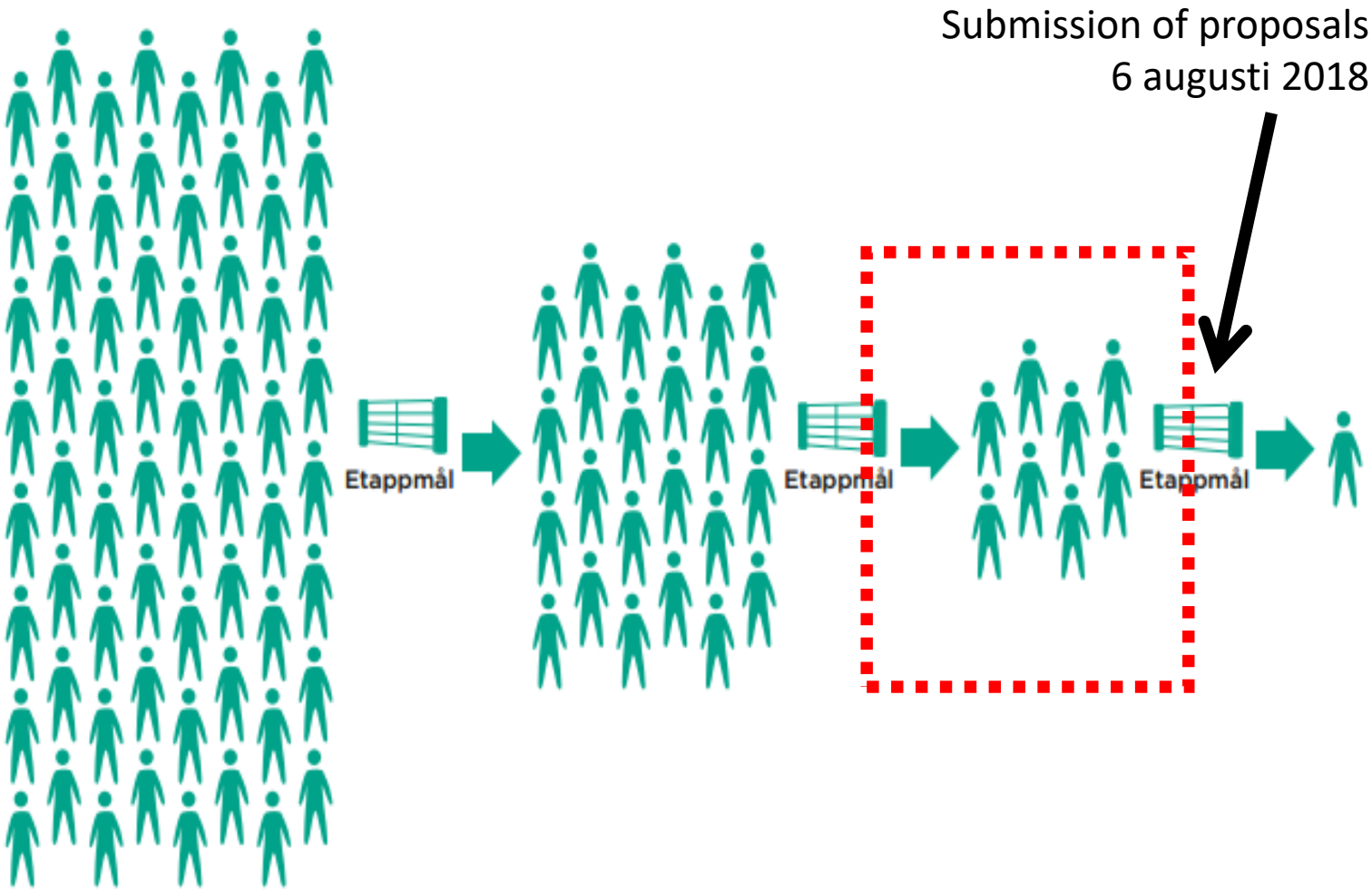
1. Production unit for leafy greens using vertical towers

3. Compositing room, BFS breeding, filtration and machinery.

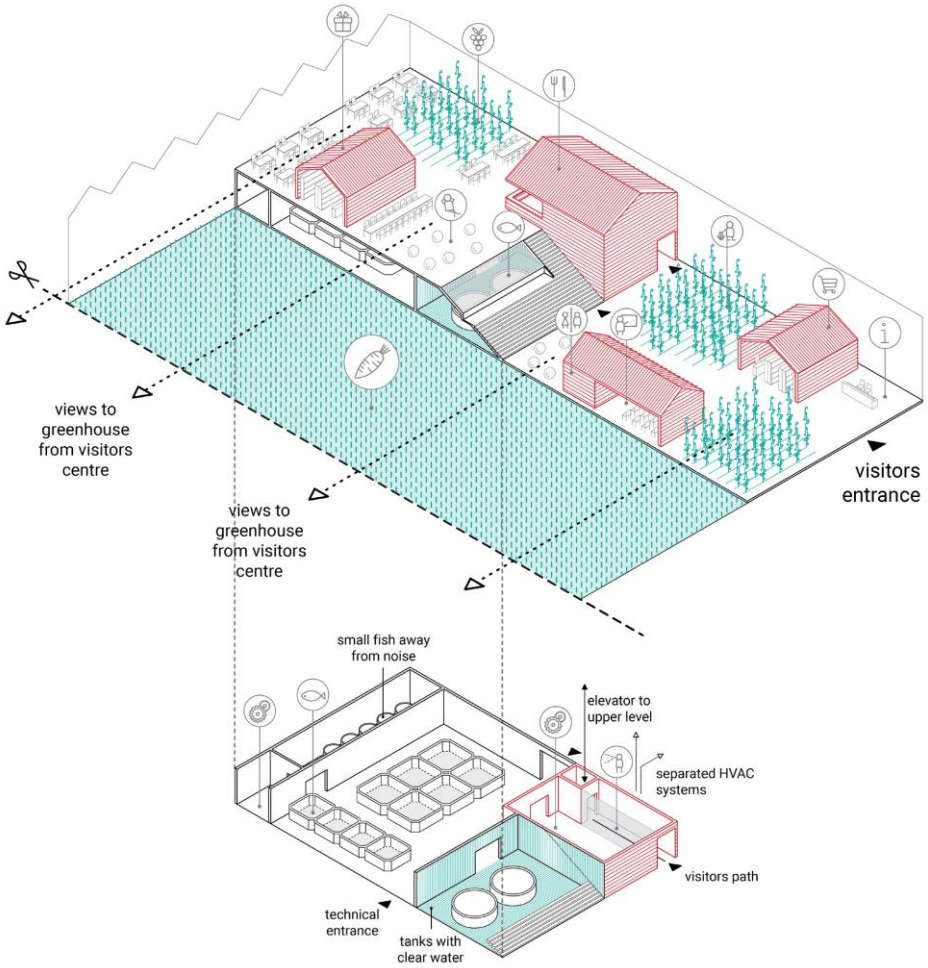
2. Café serving fruit and vegetables from the greenhouse

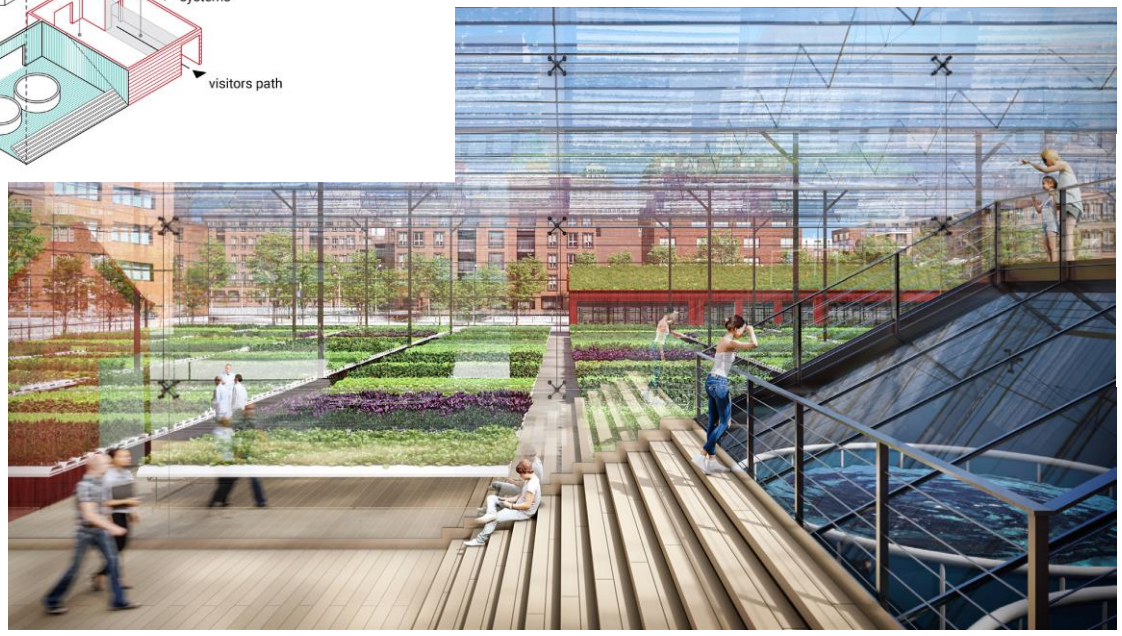
4. Self-picking where families can come and pick their own tropical and citrusfruit

Step 3 Interactiv process with three teams



Growing together





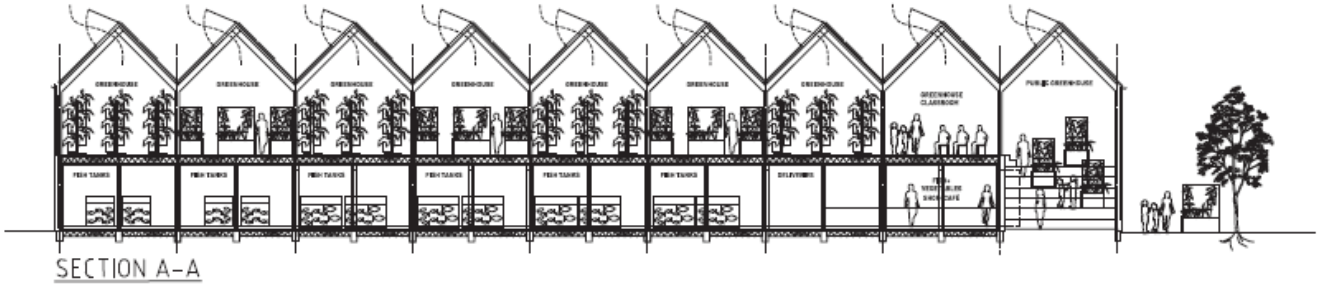
SAMRÆKT

Season Five, Tailormade

6. LARGE - PRINCIPLE SOLUTION

6.1 LARGE - SHORT DESCRIPTION

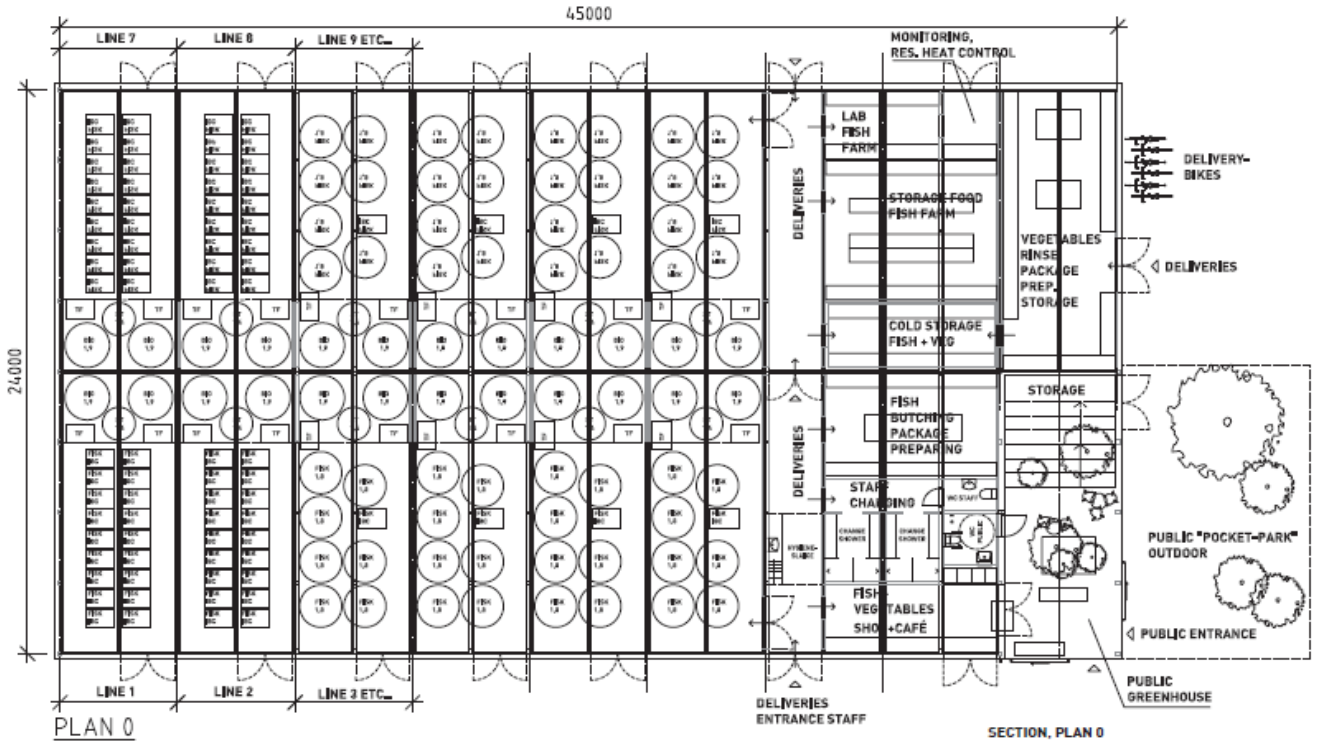
The LARGE-unit is scaled-up version of the SMALLunit. The food-producing parts (fish farm and cultivation) are scaled up. The public greenhouse stays the same size and therefora get a less important role for the business case. The footprint is 1080 m2.



SECTION A-A

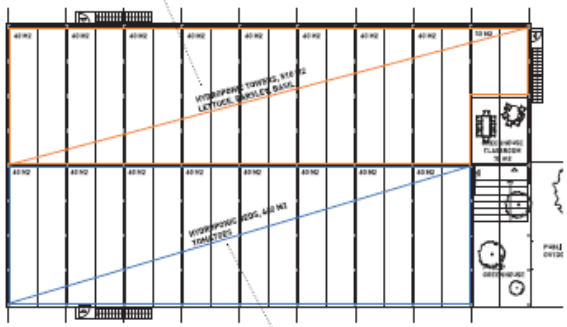
6.2 LARGE - FACTS

FLOORAREA:	
Footprint (on ground)	1080 m2
INVESTEMENT COSTS:	
Construction cost	30 098 600 sek
FOOD-PRODUCTION (yearly):	
Vegetables type A (basil)	22500 kg
Vegetables type B (tomatoes)	20250 kg
Fish (filé)	30 000 kg
REVENUE (yearly):	8 830 510 sek
BREAK EVEN:	5 years



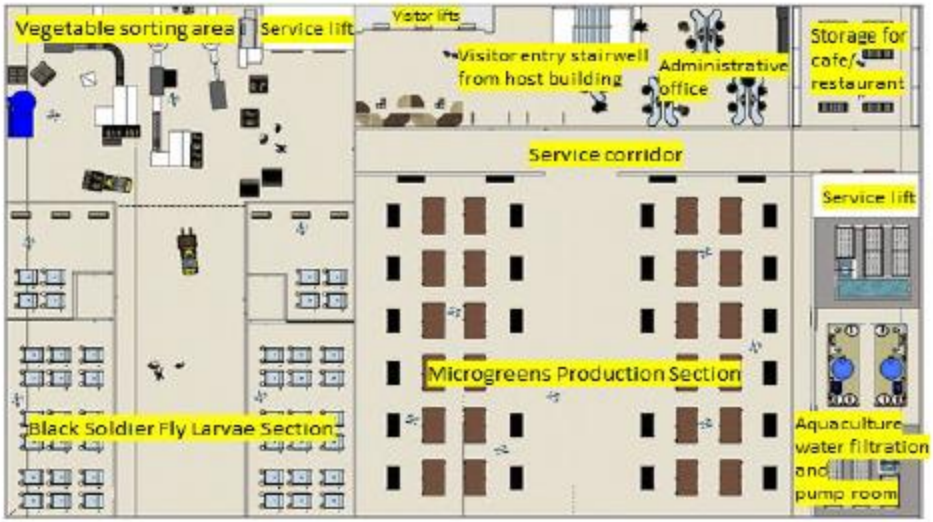
PLAN 0

SECTION, PLAN 0
SCALE 1:250 (A3)



PLAN 1 - greenhouse
SCALE 1:400 (A3)

Urban Ecosystems, Hemmaodlat



Today: prize ceremony in Malmö 19 September 2018