



Akvaponik i tätort

- Vattenbruk som inte förstör haven
- Vattenbruk som ger miljontals hållbara jobb i världen

Jönköping december 2021

Pond Fish&Greens

Niklas Wennberg CEO/Stefan Lundvall

Pond
Pond

En containerlösning för världen. Växjö, Göteborg,
Dehli, Sudan



Winning entry of the International Open Innovation
competition; Urban Food from Residual heat.

<https://www.climateaction-urban-food-from-residual-heat.com>

Pond et al won Internationell innovation contest
with the concept "Season 5". Small, medium, large.
10-60 ton fisk.



6. LARGE - SPECIFIC SITE: LUND/BRUNNSHÖG

6.1 ON TOP OF PARKINGDECK IN BRUNNSHÖG

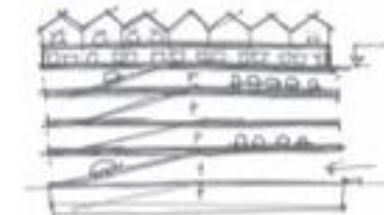
The Large-Example is shown as an integrated solution with a planned parking-deck along one of the high-streets in Brunnshög. (see siteplan). When building on the top-floor of the parking-deck we use the least attractive parkingplaces with the best natural-light-conditions in the whole area. The parking-deck offer a perfect infrastructure with stairs, elevators and even car-ramps to the top-floor for deliveries. On the top-floor we place the LAR-GE-unit (1080 m2).

The structure of the P-deck will probably have to be modified to cope with the increased load of the fish-farm, therefore this solution is best used in combination with a new P-deck.

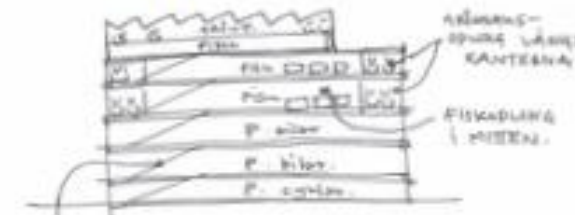


PLANNED PARKING-DECK IN BRUNNSHÖG

YEAR 1:



YEAR 10:



Future Vision: Cars replaced by vegetables

In the same pace as the need for private-owned cars decreases it grows downwards in the structure. Replacing cars with greenhouses (along the p-decks edges) and fish-production and mushroom-cultivation (in the dark core of the deck)

Reference: "Mattaket". P-deck with urban farming on top-floor. Masthuggskajen, Göteborg.

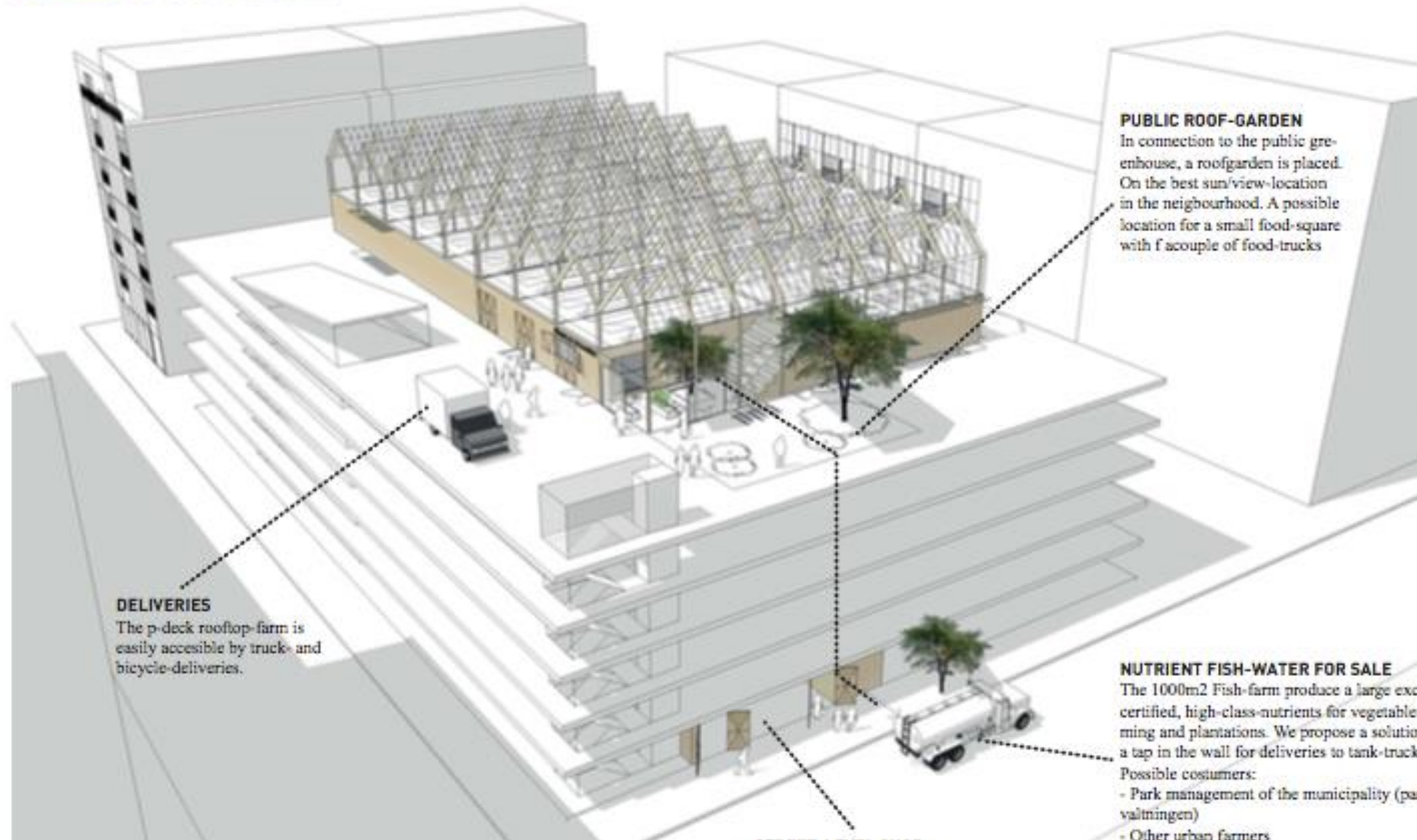
A new parkingdeck is planned in the new city-development area of Masthuggskajen in the center of Göteborg. It will be an integrated building containing: p-garage, housing, commercial spaces and a roof-top urban farm with restaurant and a public garden. Definitely a lot of experience can be drawn from this project. Our team has an established contact with P-bolaget in Göteborg. This project is planned within the recently approved Detaljplan for Masthuggskajen.

see more:

<http://goteborg.se/ups/portal/start/byggande--lantmater--och-pl--anarbete/kommunens-planarbete/plan--och-byggprojekt/>

Vision "MatTaket"

Göteborgs stads Parkering AB/Liljewall arkitekter



PUBLIC ROOF-GARDEN

In connection to the public greenhouse, a roofgarden is placed. On the best sun/view-location in the neighbourhood. A possible location for a small food-square with a couple of food-trucks

DELIVERIES

The p-deck rooftop-farm is easily accessible by truck- and bicycle-deliveries.

NUTRIENT FISH-WATER FOR SALE

The 1000m2 Fish-farm produce a large excess certified, high-class-nutrients for vegetable farming and plantations. We propose a solution a tap in the wall for deliveries to tank-trucks. Possible costumers:

- Park management of the municipality (park valtingen)
- Other urban farmers

3. DIGITALA TOMATER NR1



Pond
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ViableCities™

DIGITALA TOMATER
FÖRSTUDIE - 2020.11.04
s.12



Göteborg Energi

VINNARE: The Embassy of Sharing

10 byggnader. Byggstart
2022. Fisk och grönt i
"Fabriken".



Midroc Property Development – Wingårdh arkitektkontor m fl



Sju poänger med landbaserad odling

+ Stabila produktionsförhållanden

+ Optimal biosäkerhet

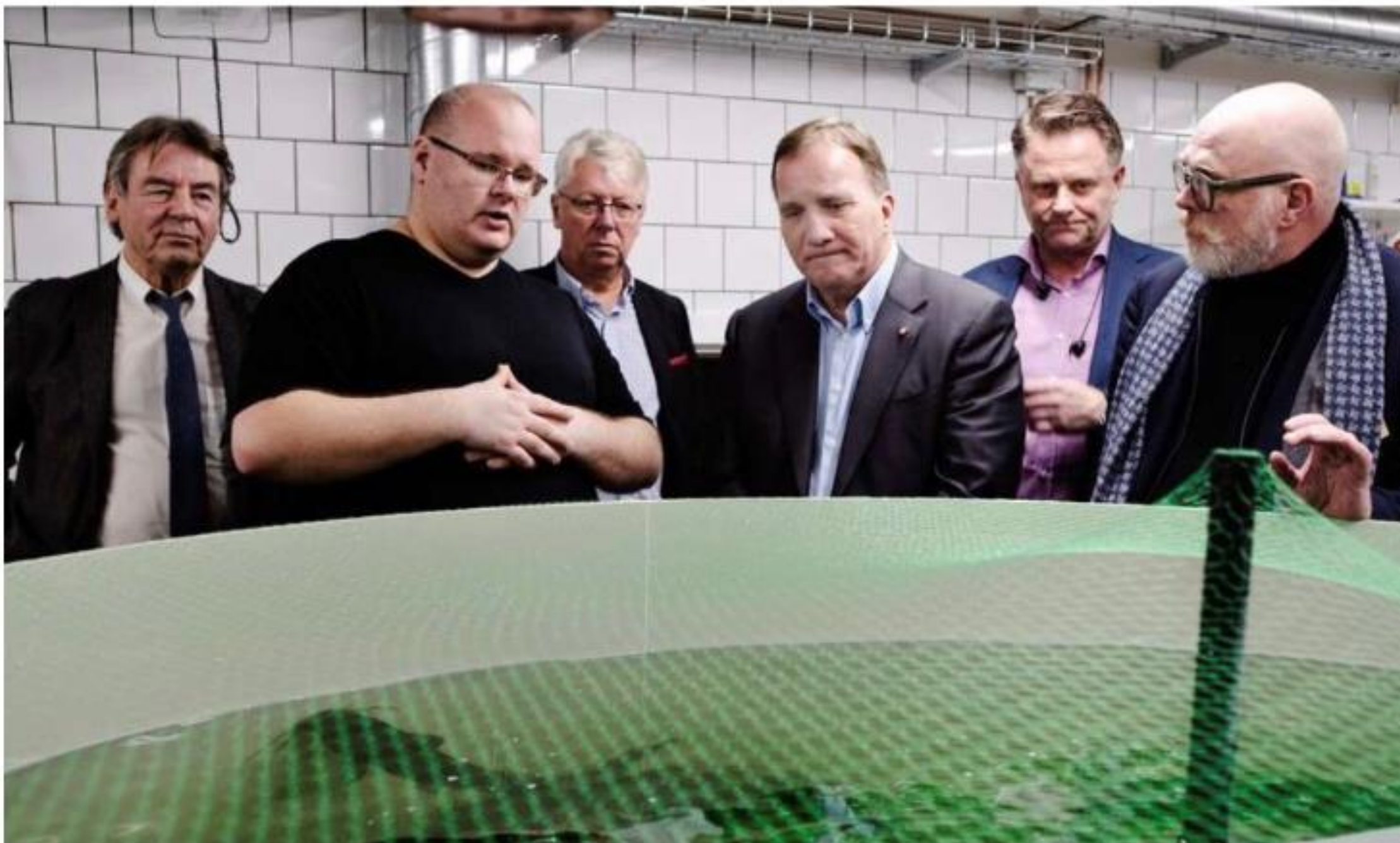
+ Kan lokaliseras var som helst

+ Minskad miljö och klimatpåverkan

+ Trygg arbetsmiljö

+ Påverkas ej av väder och vind

+ 100% fritt från rymningar



Clarias heter en snabbväxande afrikansk sötvattensfisk. På måndagskvällen stod den på menyn för Stefan Löfven under besöket på Garveriet. Fisken odlas av ett företag på platsen. Till vänster om Löfven systemdesignern Henrik Brunberg, till höger om Löfven delägaren Matts Johansson. Foto: Tomas Ohlsson

Aspekter att vikta vid kartering av tätortens kvarter

- Närhet till konsument
- Spillvärme
- Andra tillgångar för industriell symbios
- Smart logistik
- Utvecklade värden utöver protein och fett. Pedagogik? Upplevelser?
- Mottagare av fisknäring
- Billiga lokaler
- Intressentanalys. Vänner? fiender?
- Befintlig infrastruktur kvarteret för förädling, matlagning