

2023-11-14 1st Mission Arena Gothenburg

"The Problem"

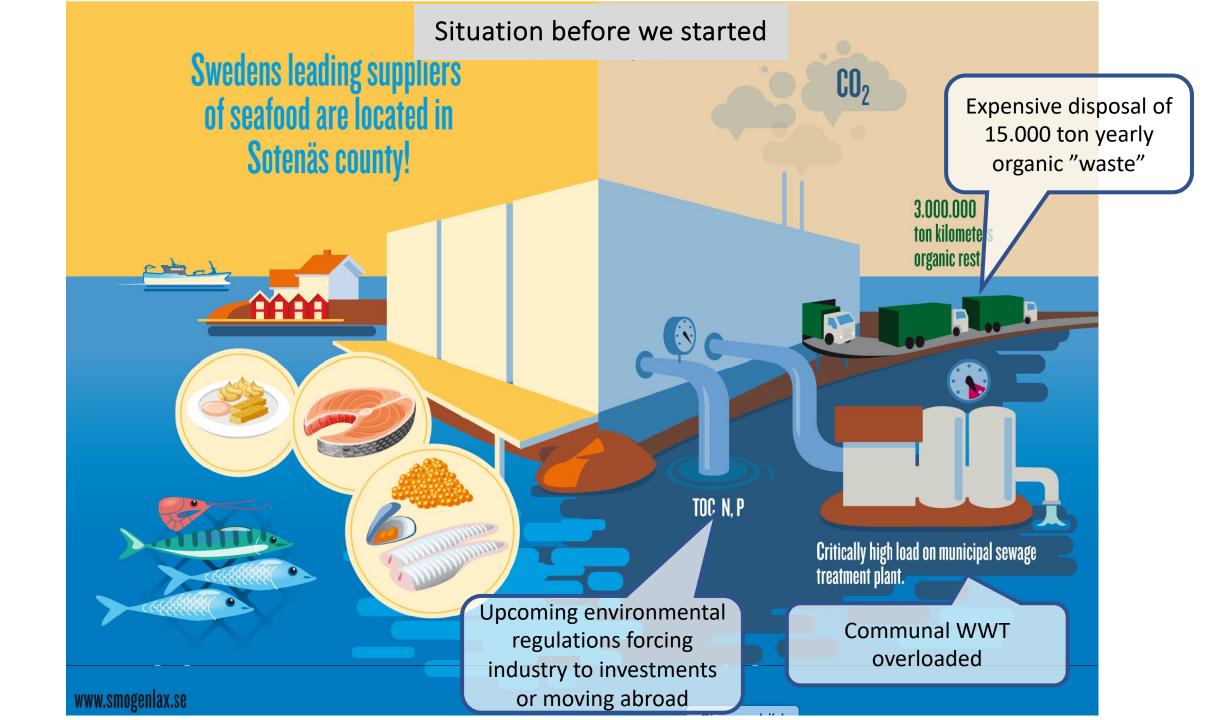
"Production Industry meet increasing demands on emissions to water and air, recycling and responsible sourcing from authorities, causing investments and cost increases

Sustainability, recycling, clean energy and CO₂ reductions demanded by consumers, causing more cost increase

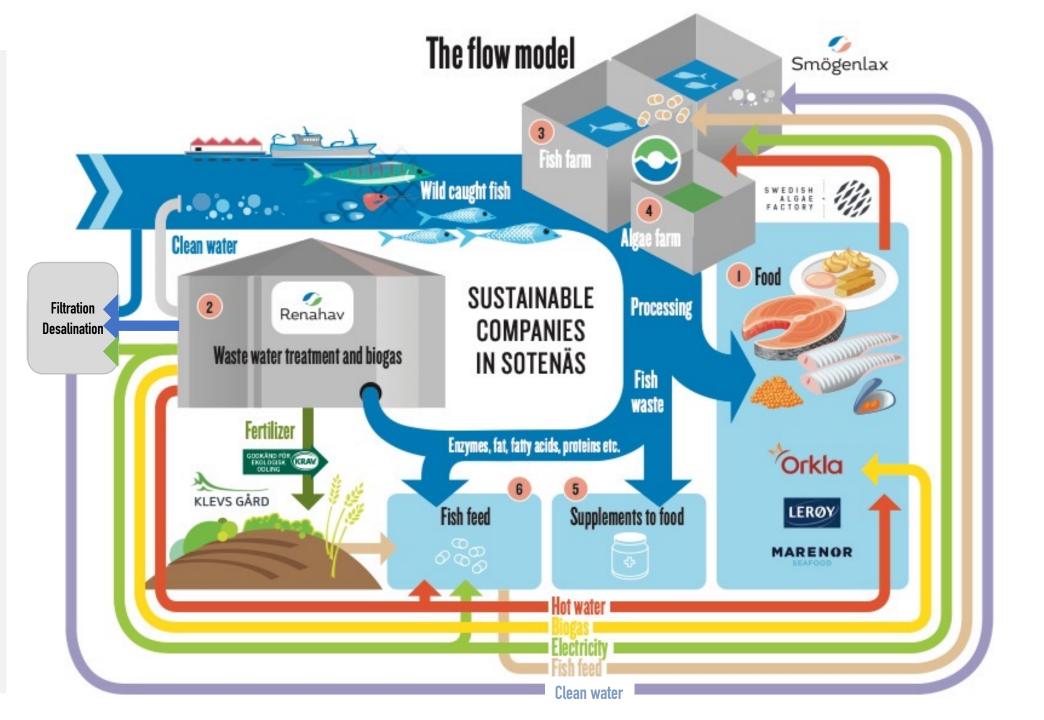
Owners expect cost reductions, on time delivery and stable quality from owners, otherwise other locations may be preferred

Can this seemingly impossible equation be solved ?"



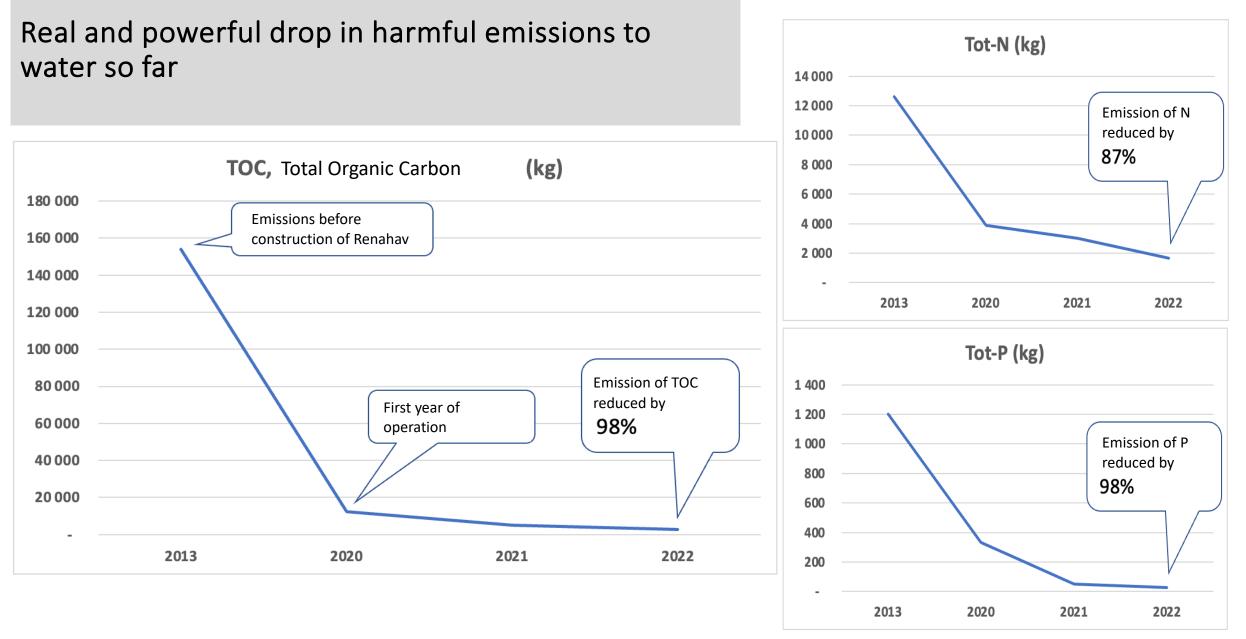


In Kungshamn, Smögenlax / Renahav has built a hub for energy and organic recycling and upcycling. All organic waste and wastewater from all seafood industry in the area flows through Renahav, currently generating biogas, electricity, hot water and organic fertilizer, in addition to a much cleaner ocean. This circular economy will soon be expanded with fish feed ingredients and desalinated water, as a land-based salmon farm is to be added to the mix. An algae farm has already been built and is in operation, which will be circulating water with Smögenlax salmon farm.

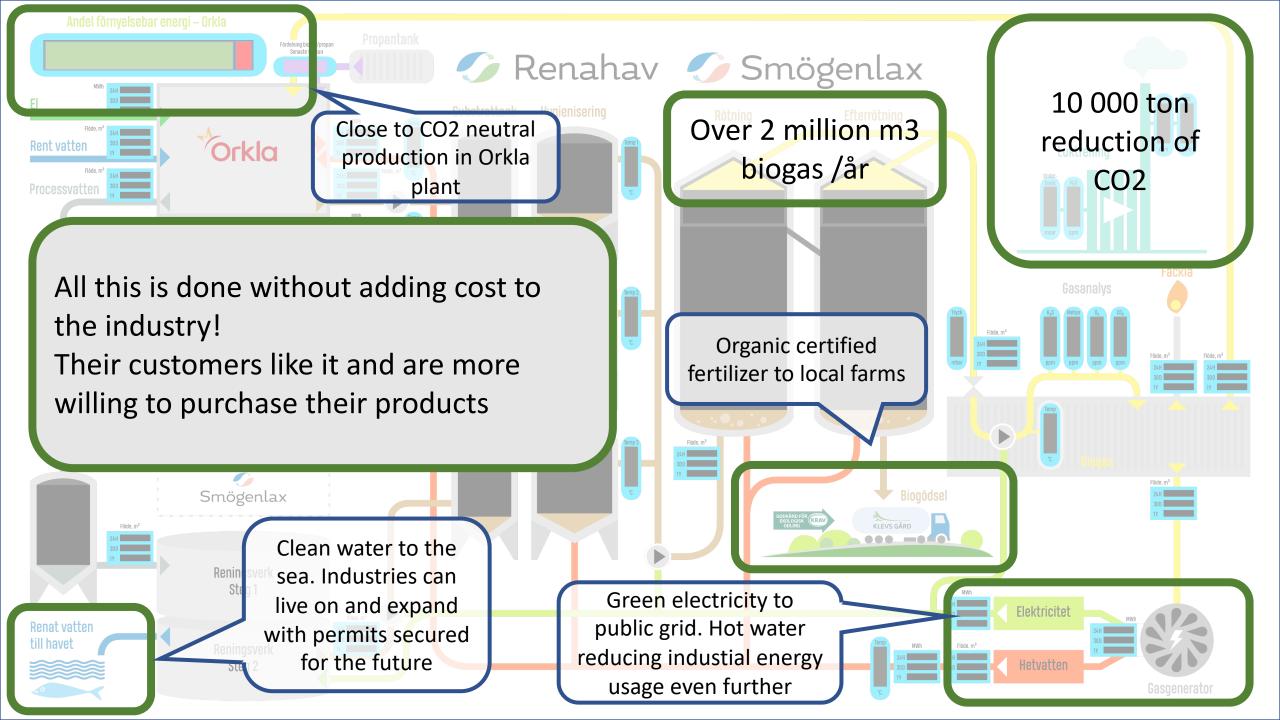


Smögenlax





🏉 Smögenlax



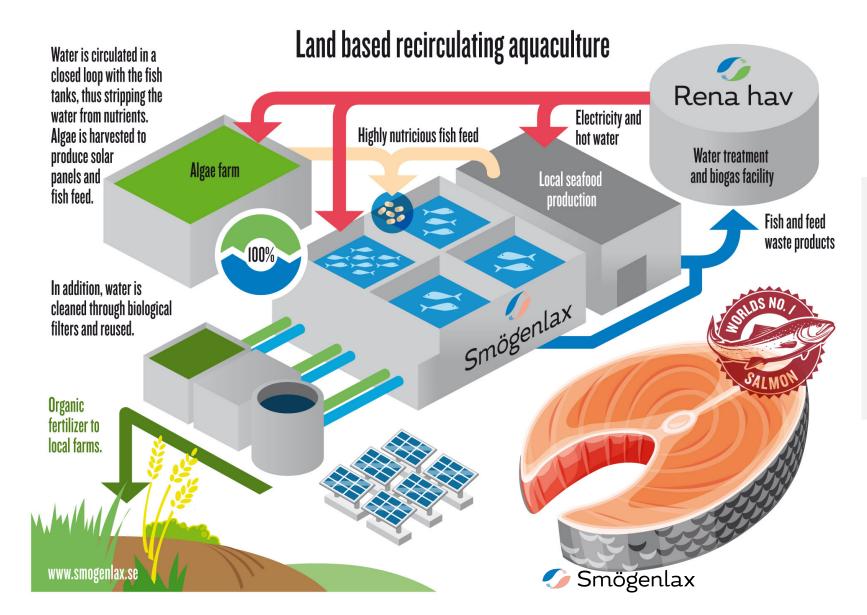




ENERGI OCH VÄXTKRAFT



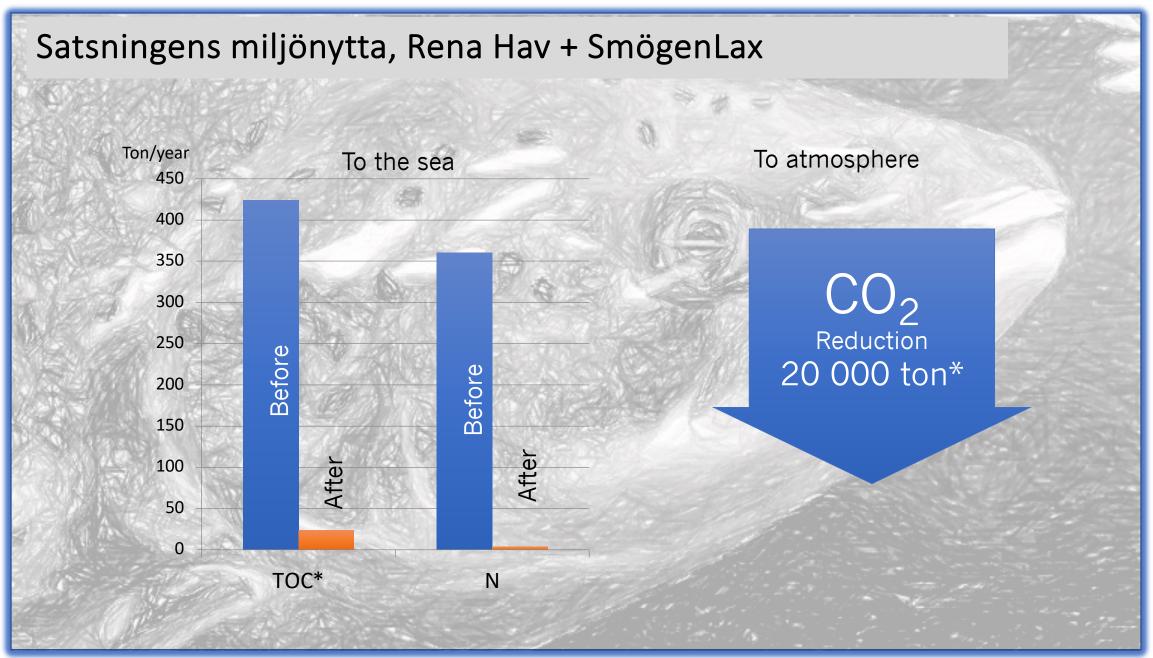
Symbiotic collaboration with cutting edge algae production company to reduce waste water treatment and CO2 emissions even further



Cooperation is in place with the company "Swedish Algae Factory" that specializes in silicon algae. The algae uses nutrition from the unfiltered fish water, and thus become a natural part of the filter process, that reduces emissions. The algae shell is a silicon based micro material with nano structures, that absorbs light extremely well, and can be used to enhance the yield on regular solar cells by several percent. This technology has the potential to reduce CO₂ emission with millions of tons per year if applied in production of solar cells around the world.





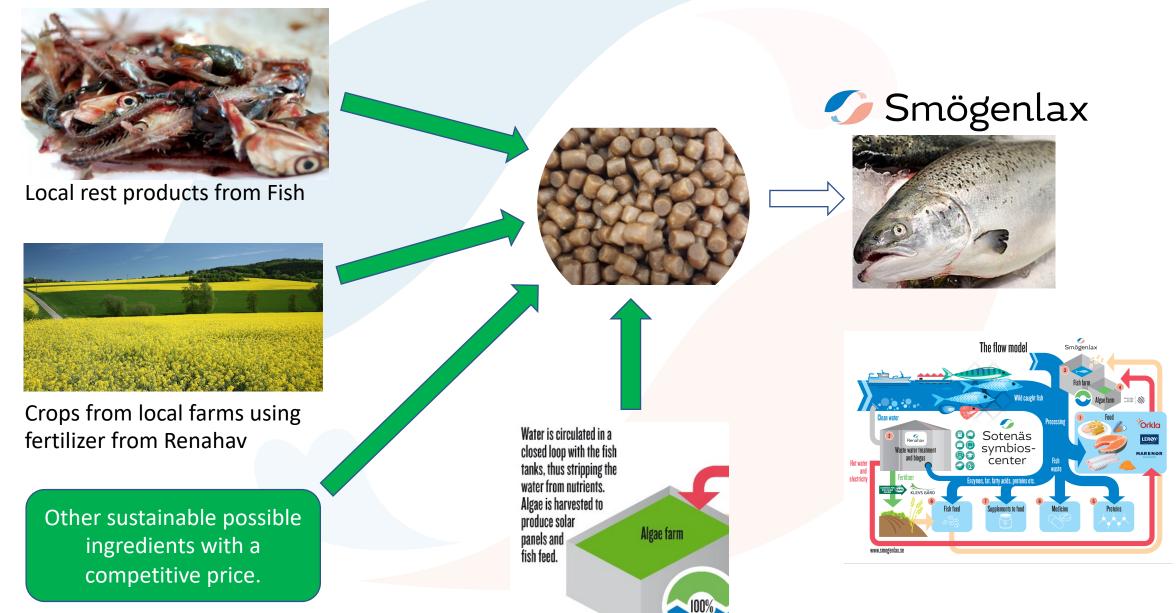




Smögenlax Test facility

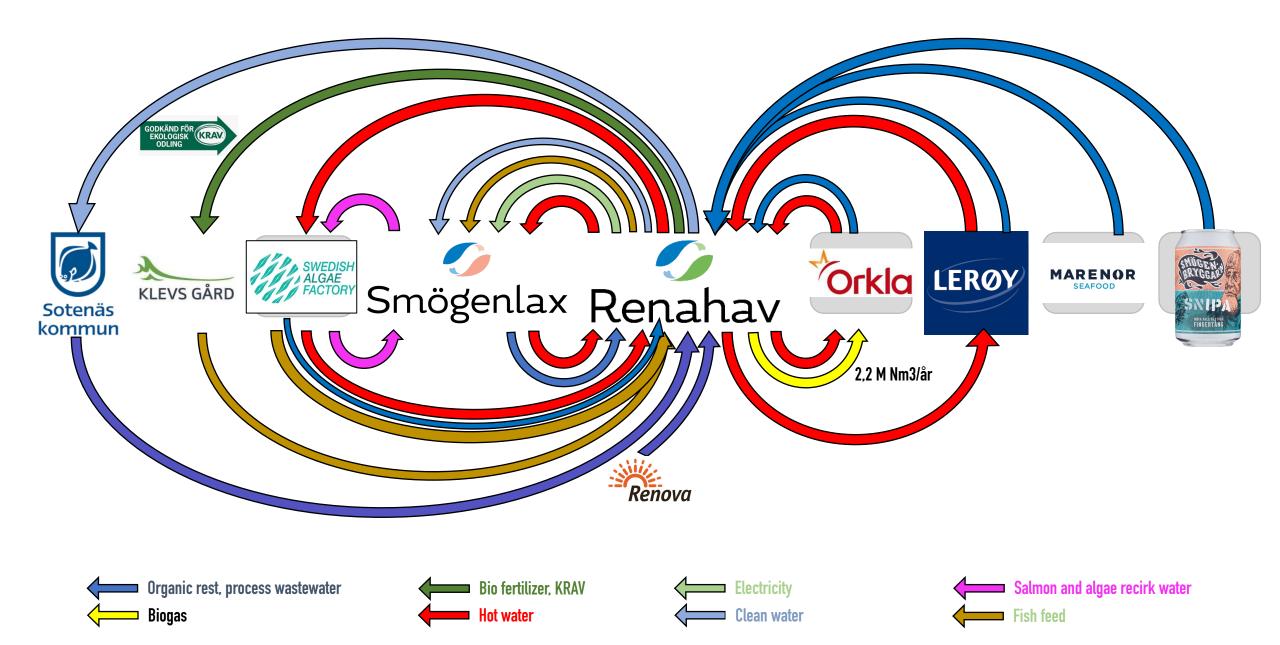


Feed with sustainable ingredients





Further collaborations are in the design process......



Vision and Ambition 🏈 Smögenlax

- Vision
 - Produce and sell sustainable seafood with zero discharge in a circular economy

Ambition

- First production facility to be built in Kungshamn Smögen for production of 6000 tons of Atlantic Salmon per year, in symbiosis with local industry.
- Lower than branch cost structure due to industrial symbiosis and feed from fish biproducts
- Higher than spot price due to eco certificates and high-quality meat taste and texture
- Expansion in Sweden, EU and other areas with strict environmental regulations









