



B-Star, Pitch (Food Security)

Aquaculture Feed Support Services

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Social Business Idea

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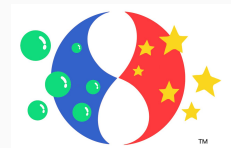
Aquaculture Feed Support Services (AFSS)

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Aquaculture and more recent urban aquaponic production sites are expanding both on the water and on land. Still much of the feed today is bought from overseas which often is overly processed lacks in nutrition and varies in cost and availability.

The AFSS aims to supply tailored organic (non-mammal/non-fish) fish feed that is sourced in the different regions where clients like fish farmers and urban aquaponic system holders can be served. The social goal of this business is help people in the aquaculture/aquaponics business maintain a stable and trusted provision of feed and to boost the health and quality of locally produced fish by means of natural feed provision, that is sourced locally. At the same time the AFSS aims to educate and support the development of urban farming practices like aquaponics that helps families in underdeveloped countries support their families with the provision of healthy food.

Together with the help of cloud computing technologies and social networks AFSS will work as a service where clients can register their practice specs that will translate to a tailored feed that can be delivered at their convenience.



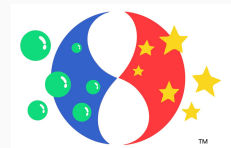
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In the context of organic urban farming or decentralised organic farming practices, methods that combine biologic waste remediation to achieve nutrient recovery are drastically underused. Remediating biologic waste for the production of feed and using specific biologic wastes directly as a feed source, will decommodify fish feed provision and allow for a more tailored approach with regard to the type of fish served and indirect feed sources available in the region. Using a variety of available nutrient sources to collect, AFSS can produce and formulate nutritious and natural feed for your fish with quality standards.

A number of technologies for nutrient recovery that can be combined to establish this service:

- Black soldier fly (BSF) larvae production
- Duckweed production
- Decentralised composting
- Waste vegetables as direct herbivorous fish feed
- Use of industry waste (like silkworms) as direct fish feed
- Use of agro waste in a formulated manner for use as fish fodder (casava leaf, sweet potato leaf, arrowroot leaves, rice bran, cotton seed cake)



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