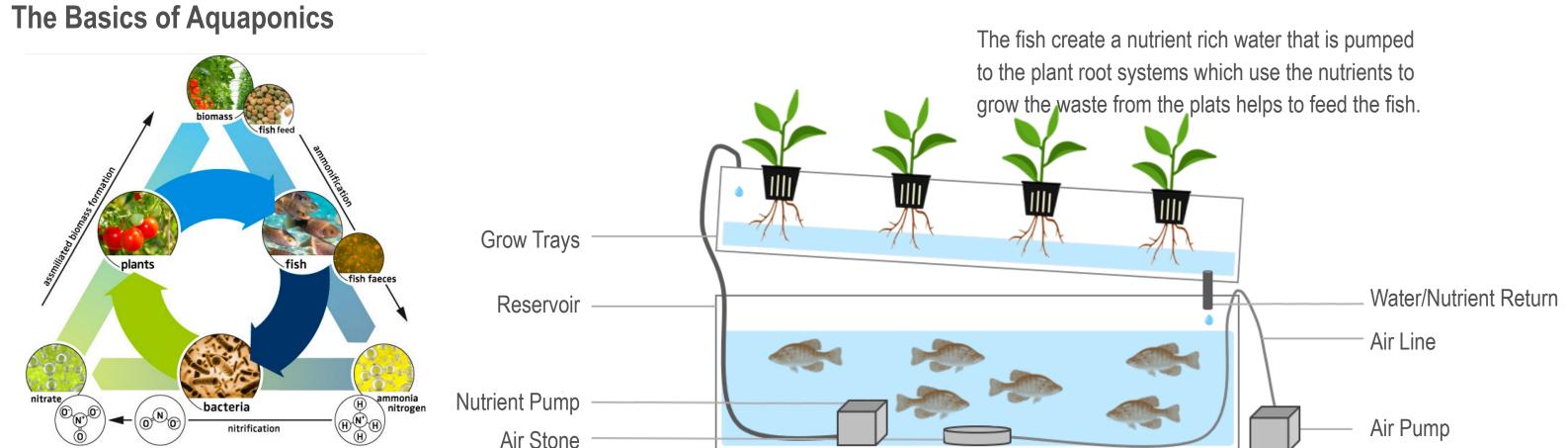


Future Islands is the creation of Bryan Strom of SLABarchitects. It looks at developing a sustainable economic plan to create habitable islands which would provide a carbon neutral live work environment, that is adaptable to the local infrastructure and provides a community that is an active participant in the global change towards caretaker of Earth.



Air Stone

NFT Nutrient Film Technique DWC Deep Water Culture



DFT Deep Flow Technique





Types of Aquaponic growing systems

Future Islands: Aquaponics Workforce and Revenue

Yellow Perch

The rule of thumb for commercial aquaponic farms is 25 hours per week per 100 square meters of plant growth area (this includes the fish) so with 2000m2 of growing area will require 500hrs/wk, divided by 33 hrs/wk/person equates to 15 persons to operate.

Types of Fish that are used for Aquaponics

6.5 to 9

6-8 months

18-26°C

6.5 to 8.5

28-30°C

6.5 to 9

6.5 to 8

6.5 to 8.5

Time to 500g: 12 months

Time to 500g: **6-8 months**

Water Temp: 7-18°C

Water Temp: 18-21°C

Time to 500g: 12 months

Water Ph:

Time to 500g: **12-18 months**

Artic Char

Bass: Large or Small Mouth

Average annual gross revenue for each Future Island would be around £3 Million

Annual outflows of around £2.2 Million Leaving around £700k for Salaries and £100k for savings

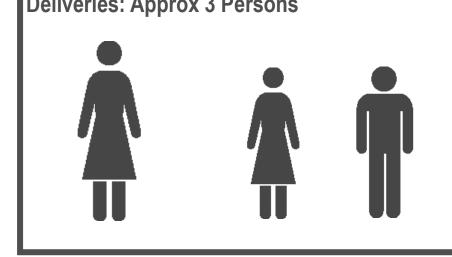
Crop Management: Approx



Fish Management: Approx 4 Persons



Deliveries: Approx 3 Persons



10year Financial Forecast for an Aquaponic Operation with an annual production of 3,649kg of fish supporting 200m2 of plant growth area. (Numbers need to be scaled up by a factor of 10)

Economic Analysis of a Small Urban Aquaponic System: JM Simonetti



Space Requirements: Production Faming, Office, Wood Working

Modern Farming for a Family of Four

Grains 1360m2

245m2 for Corn

1115m2 for Wheat

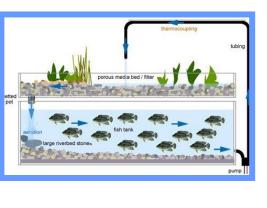
Hydroponics 20m2 Fruit & Vegetables

Live Local/Work Local/Contribute Globally

Creating Closed Loop Systems

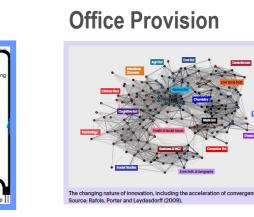
55m2 without grains

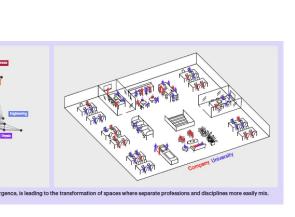
1,415m2 if including Grains



growing of food, and exporting of the ideas

that create Future Islands

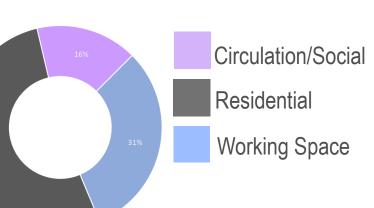










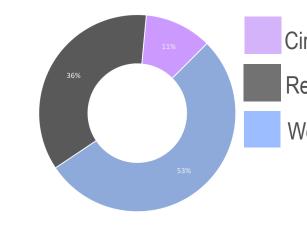


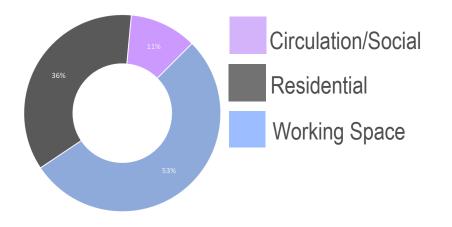
Future Islands will be carbon neutral, adaptable

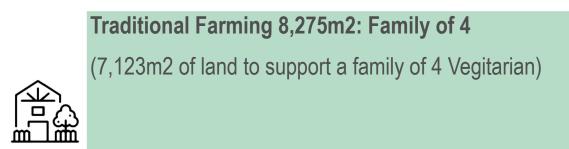
to the local infrastructure and provide a

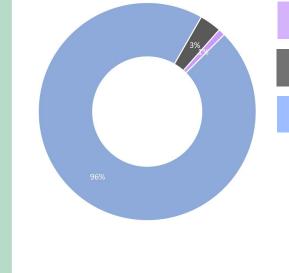
community that is an active participant in the

global change towards caretaker of Earth.











Where food in the UK comes from



