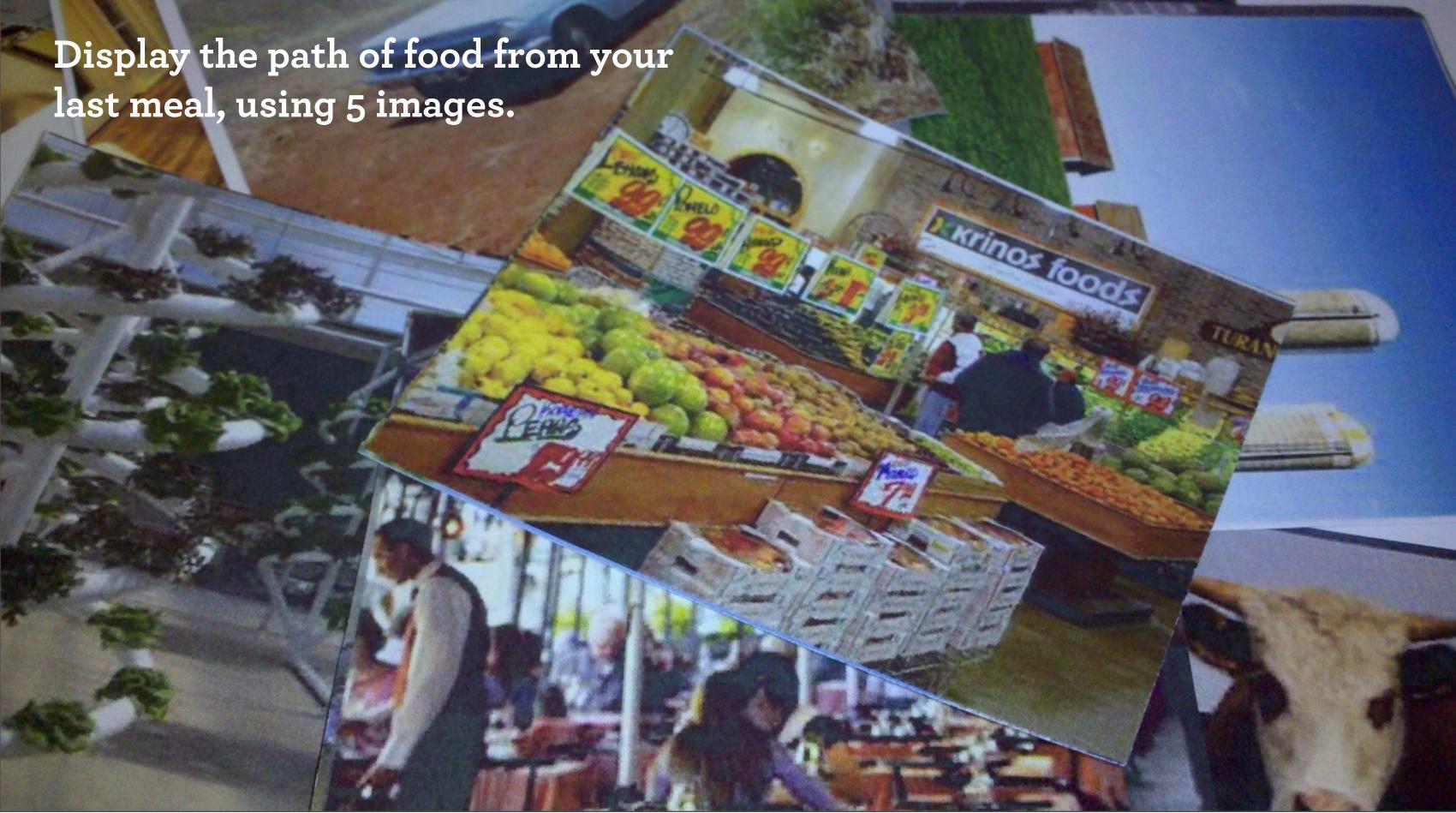


"New York has 14,000 acres of unused rooftop space... if all of these unshaded rooftops installed greenhouses, the resulting produce could feed as many as 20 million people in the New York metropolitan area."

~Laurie Schoeman, director of New York Sun Works

Glenn Rifkin, "Cash Crops Under Glass and Up on the Roof," New York Times, May 18, 2011, http://www.newyorktimes.com/ Who will use this system, how do we communicate to them and what do they need?



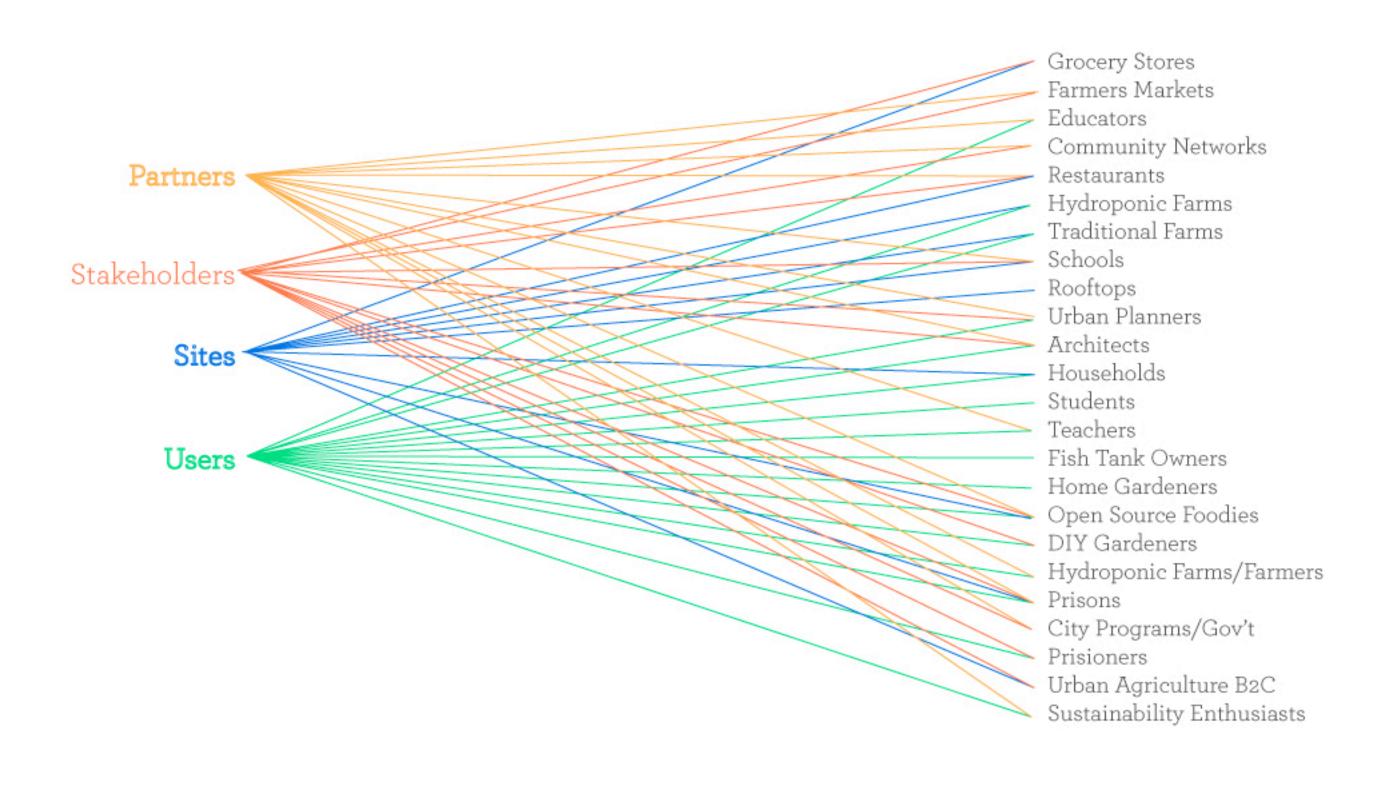




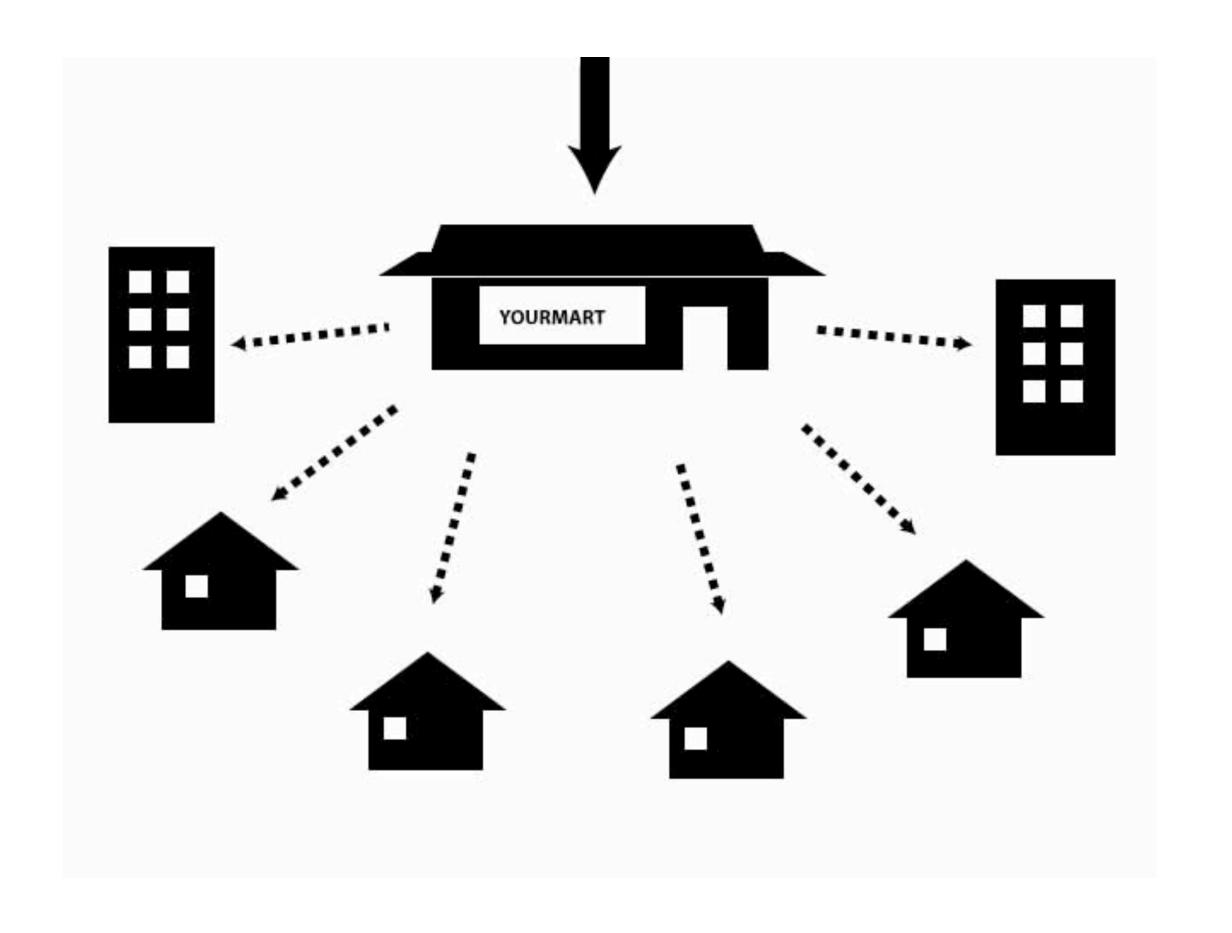


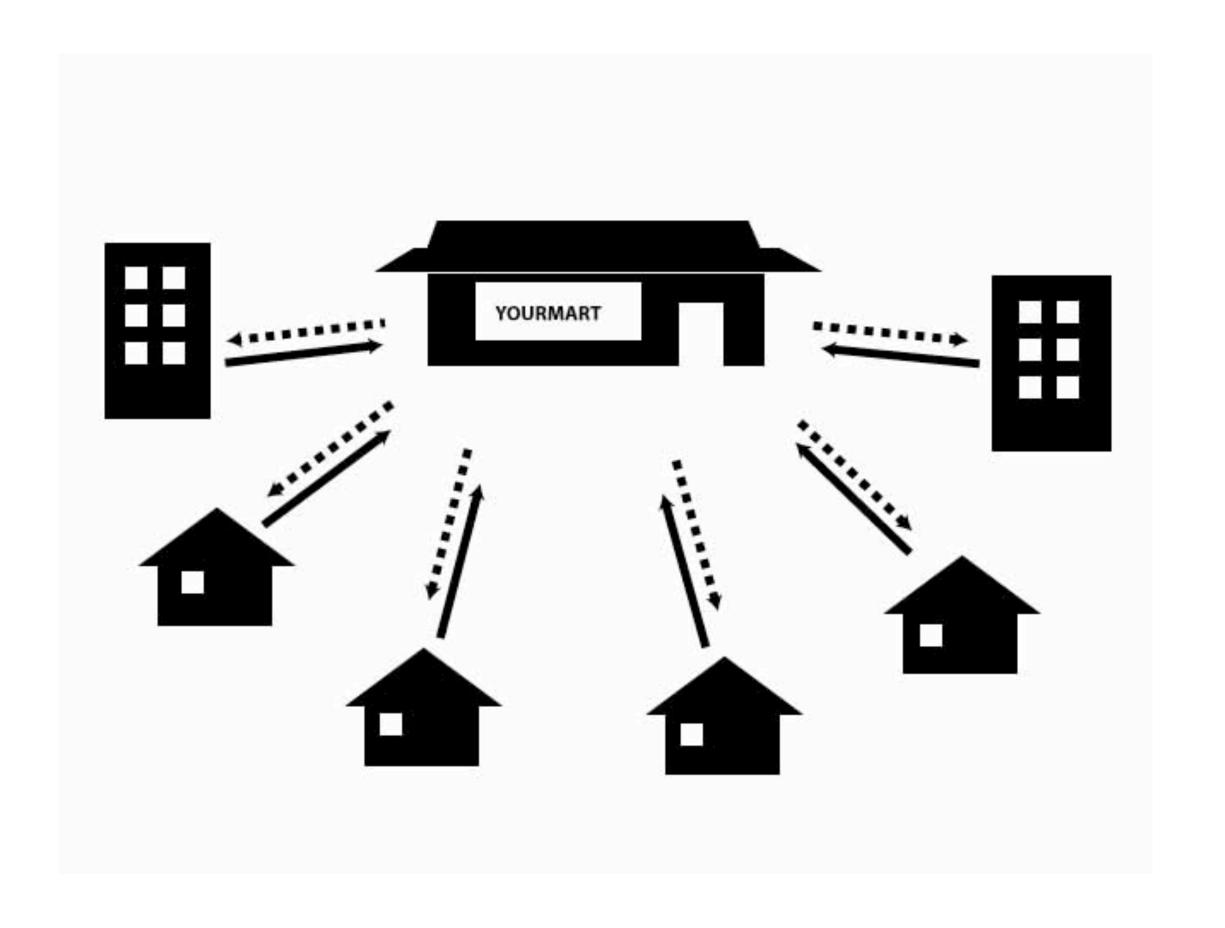






Stakeholders		Partners	
Tier 1		Tier 1	
systems application	Community Networks Urban Planning Firms Architecture Firms Local Gov'ts		Community Members Community Group Leaders Urban Planners Architects Gov't Officials
Tier 2	0.1 1	Tier 2	
education about system and technology Tier 3	Schools Prisons	education about system and technology	Teachers Administrators Wardens
doers, makers and sharers	Gardening Communities DIY Communities Fish Keeping Communities Hydro Farms/Farmers Urban Agriculture B2C Technology Communities	doers, makers, shakers, eaters & talkers	Food & Tech bloggers Rooftop co-ops Engineers Hobbyist communities
Tier 4		Tier 4	
distribution infrastructure	Grocery Stores Farmers Markets Restaurants	consumer business decision makers	Food buyers Market Organizers Market Sellers Chefs Restaurant Owners





Sites		Users	
Tier 1		Tier 1	
locations integral to systems application	Rooftops Households Apts Businesses	people integral to systems application	Apt Buildings Families Communites Individuals
Tier 2		Tier 2	
education about system and technology	Schools Classrooms Prisions Universities Hacker spaces Workshops	educators & learners	Students Teachers Prisoners biologists bloggers
Tier 3	•	Tier 3	
Platforms for sharing	Blogs Message Boards Youtube Instructables Newspapers	growers, eaters, & sharers	Sustainability Enthusiasts Foodies Hobbyists
Tier 4		Tier 4	
distribution sites	Farmers Markets Grocery Stores Restaurants Grocery Delivery	distribution members	Farmers Restaurants

Users

Tier 1

people integral to systems application Apt Buildings

Families

Communites Individuals

Tier 2

educators & learners Students

Teachers

Prisoners

Biologists Bloggers

Tier 3

growers, eaters, & sharers Sustainability Enthusiasts

Foodies

Hobbyists

Tier 4

distribution members

Farmers

Restaurants



Large Scale Rooftop System



Small Scale Apt System



Farm Fountain

Strengths

Ecosystem and recycle based aquaponics system Vertical Hydro open-source

Weaknesses

Lacking community
Documentation



Window Farms

Strengths

Scale

Community

Vertical Hydro

Cost

Documentation

open-source

Weaknesses maintenance



Earth Solutions Little Toleyo Aquaponics Container Gardening s. The Farm in a Box is a self-contained equaponics system which allows you efficiently... Add to Shopping List.







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to Shopping List.



Mini-Aquaponic System of The integrated biological system is a great teaching tool for aquaponics, hy between ...

Asst'd Kits

Strengths Simplicity

Weaknesses Costs



Barrel-ponics

Strengths
High production
Open-source

Weaknesses Lacking community Scale

BitPonics

Strengths

Data collection control open-source

Weaknesses Lacking community

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□ Free shipping

□ New items

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Any price

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The Farm in a Box is a self-contained aquaponics system which allows you to grow organic fish and organic vegetables conveniently and efficiently ...

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AquaBundance Aquaponics System Charcoal

Includes 60 gallon tank, 12" deep bed, steel frame with casters, pump, fittings, 150 liters of hydroton, timer, and DVD. 19" deep, 43" long by

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Includes 60 gallon tank, 12" deep bed, steel frame with casters, pump, fittings, 150 liters of hydroton, timer, and DVD. 19" deep, 43" long by

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Aquaponic Gardening: A Step-By-Step Guide to Raising Vegetables ...

by Sylvia Bernstein - New Society Publishers (2011.10.11) - paperback - 336 pages

Aquaponics is a revolutionary system for growing plants by fertilizing them with the waste water from fish in a sustainable closed system. A

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This integrated biological system is a great teaching tool for aquaponics, hydroponics, and aquatic ecosystems. View the relationships between ...

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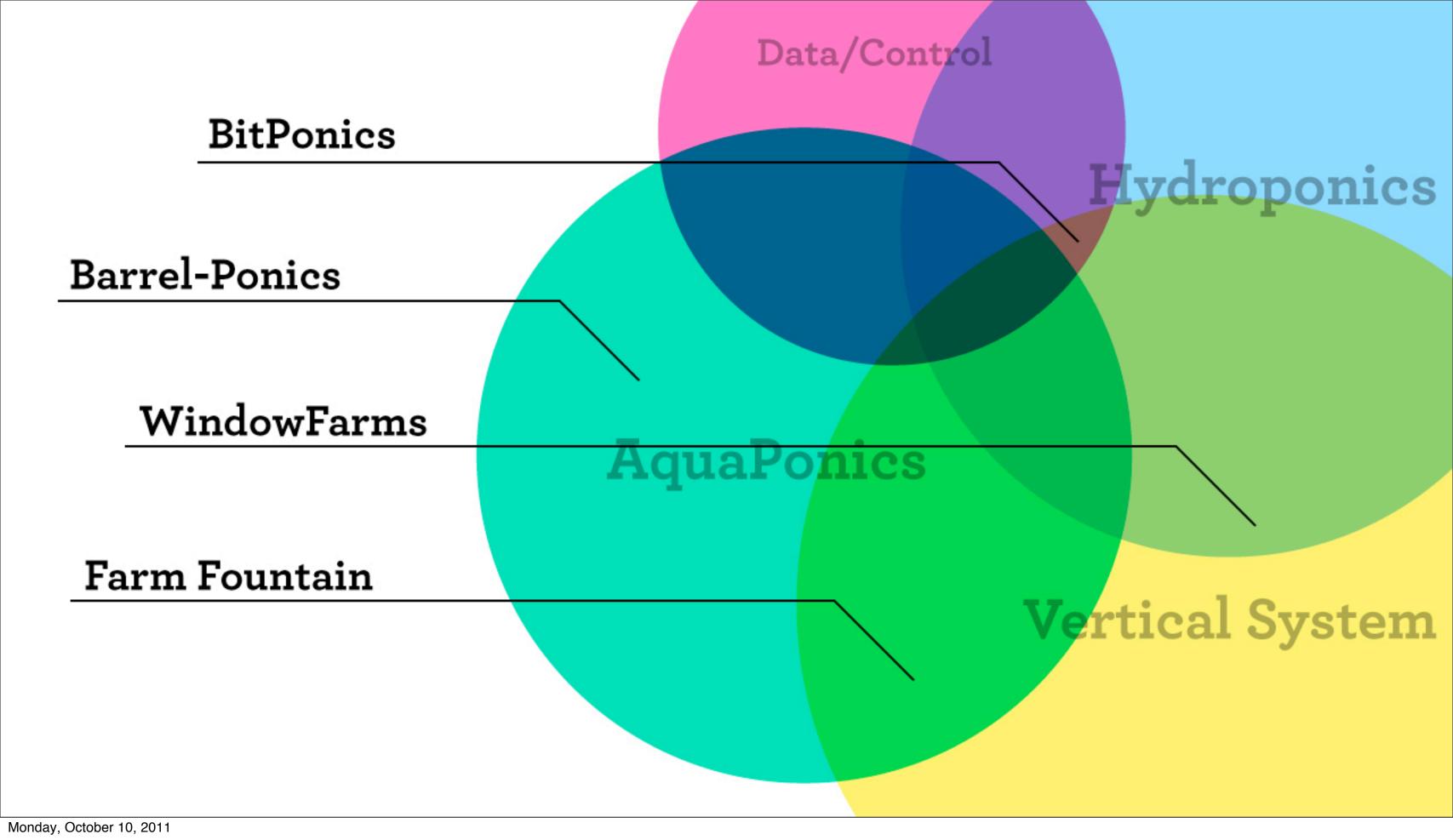
\$478.00 with est. tax & shipping

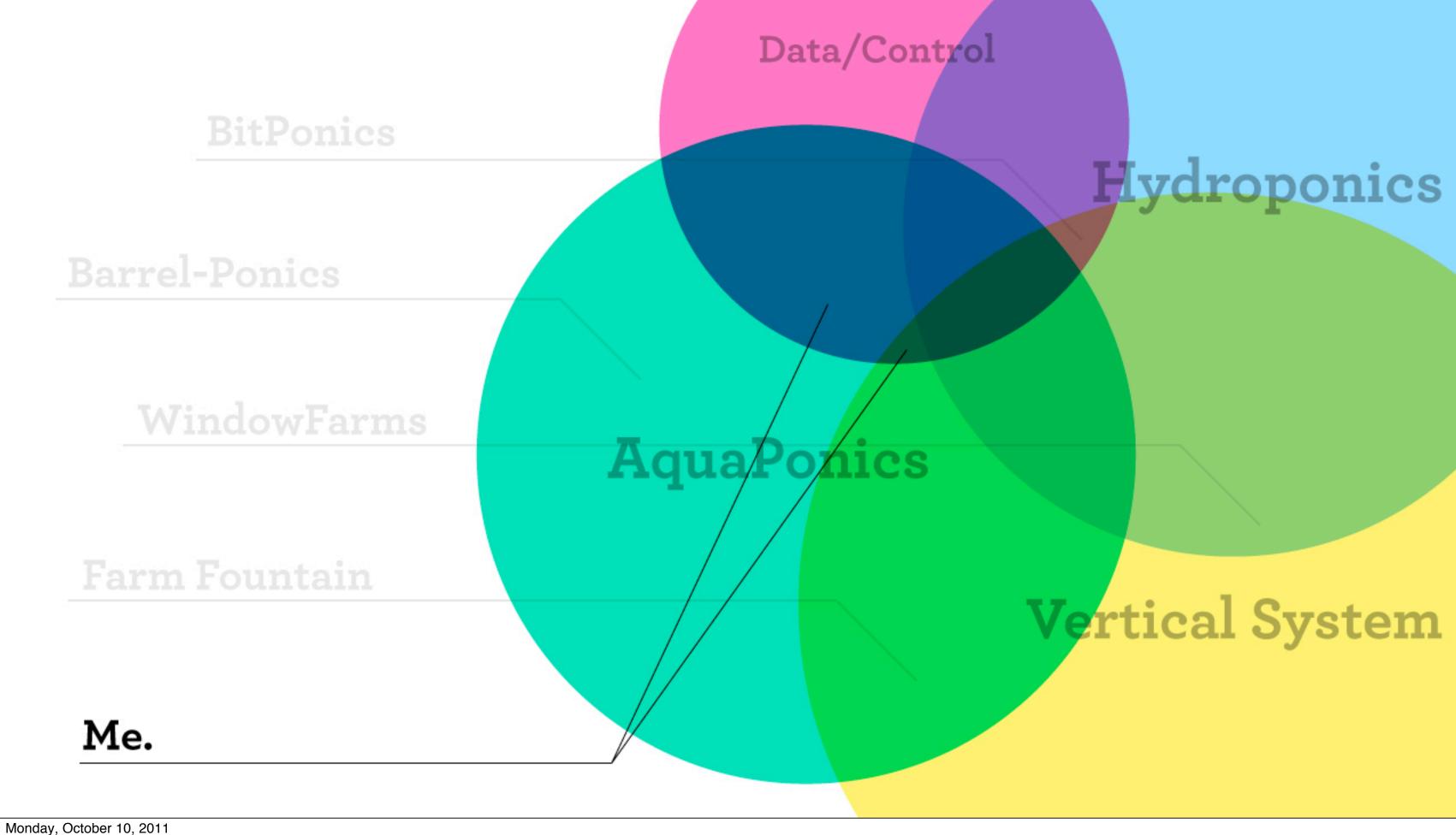
Sargent-Welch



Aquaponics System on the fish thank for organic grow

\$189.00





Next Steps

10 gallon system

elementary school deployment

40 gallon system

apartment deployment

Larger System

rooftop deployment

Contacting Stakeholders

WindowFarms

Farm Fountain

New York Sun Works

HackManhattan

Community Centers

Urban Planners

