INTERIM PRESENTATION

THE MONITORING OF AN AQUAPONIC SYSTEM

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OUTLINE

Problem

State of the art

Marketing

Ethics and deontology

Sustainability

Solution

Project management



PROBLEM

You want an aquaponic system?

But you have too little time to manage it?

What do you do?



STATE OF THE ART:

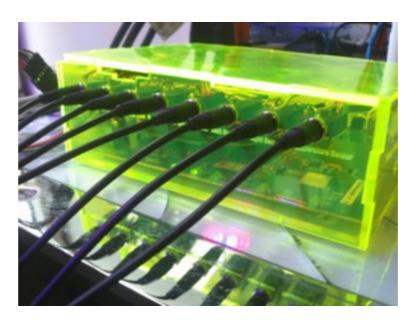
Hydroponic and aquaculture monitoring system

Monitor updates using Twitter

Industrial monitoring and controlling system

Do it yourself







MARKETING

Market analysis

SWOT analysis

Strategic objectives

Segmentation

Strategy / positioning



MARKETING: SWOT ANALYSIS

Strengths	Weaknesses
multilingual and -cultural team	limited budget
diverse knowledge	limited developing time
customizable product	new company
self-sustainable and eco-friendly	lack of market experience
Opportunities	Threats
quickly achieve large market share internationally	experienced competition
high growth rates in aquaponics worldwide	fast and vast launch of competitor's product
reasonably priced system	saturation of the market
great market potential	relatively easy to copy -> no patent protection



MARKETING: STRATEGIC OBJECTIVES

1st year: German and French market

2nd year: extend market share

: acquire new European markets

3rd year: market in the USA and Canada

Constantly improving service approach



MARKETING: SEGMENTATION

Demographics

- Target group: 18 to 72 years
- Males

Geographics

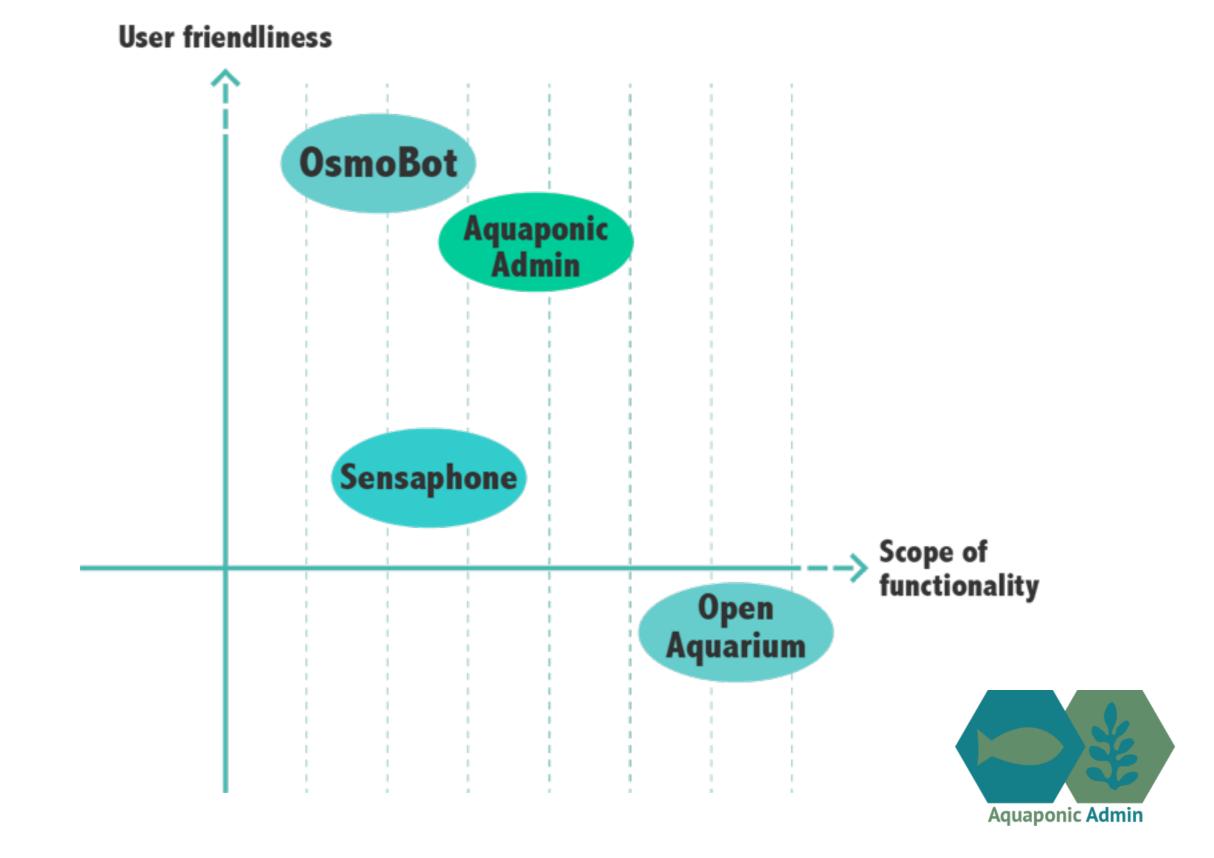
- Europe
- North-America

Psychographics

- Health consciousness
- Desire of self-supplying
- Interest in aquaponics and aquaculture



MARKETING: STRATEGY/POSITIONING



ETHICS AND DEONTOLOGY

Engineering ethics

Sales and Marketing ethics

Academic ethics

Environmental ethics



SUSTAINABILITY

Environmental

Economical

Social

Life cycle analysis



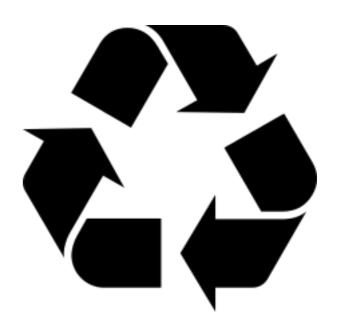
SUSTAINABILITY: ENVIRONMENTAL

Energy conservation

Sustainable materials

Avoiding waste

Efficient packaging





SUSTAINABILITY: ECONOMICAL AS A COMPANY

Efficient Design

- Improve productivity
- Maximize potential
- Sustainable

Contract logistics:

- Assembly
- Product packing
- Taking orders
- Optimization of storage
- Packing for transport
- Stock management
- Recycling



SUSTAINABILITY: ECONOMICAL FOR USER

Getting own food

Living costs reduction

Less energy costs





SUSTAINABILITY: SOCIAL

As a company:

- Production
- Strong economy
- Skilled employees

For user:

- Time saver
- Easy setup
- Satisfaction



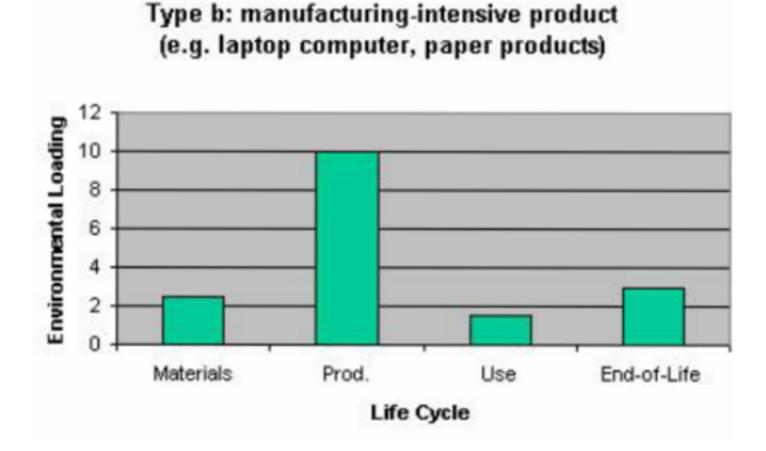
SUSTAINABILITY: LIFE CYCLE ANALYSIS

Extraction or acquisition of raw materials

Manufacturing and processing

Use and reuse

Recycling





SOLUTION

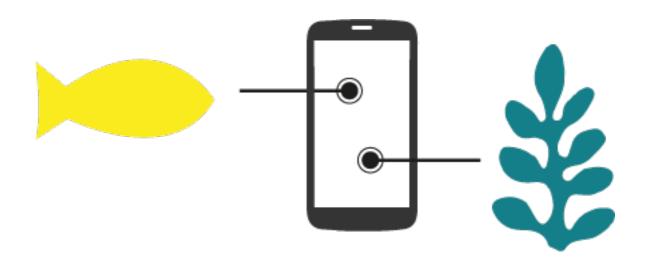
Web based

Remotely control

Monitor

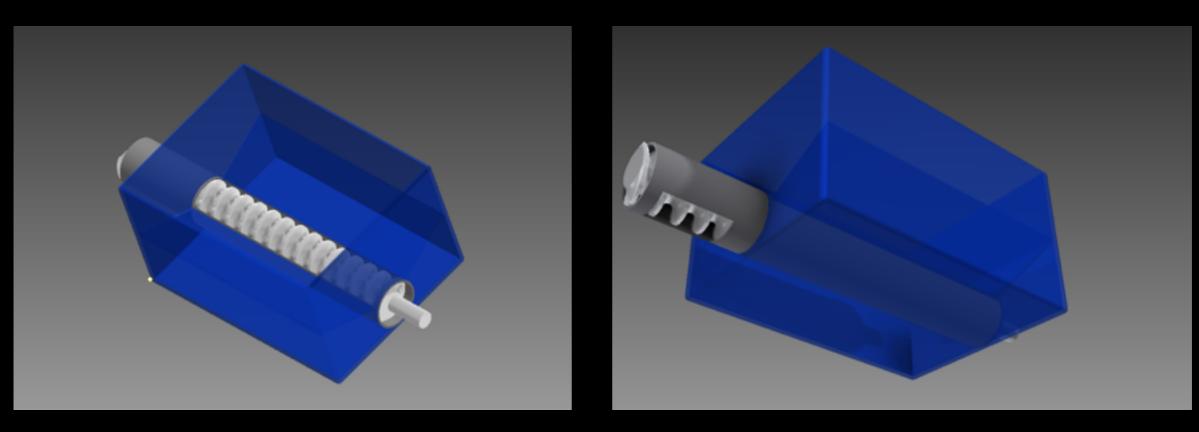
Adjust temperature

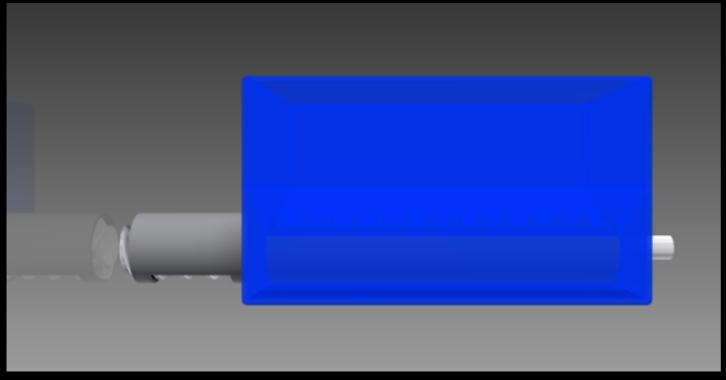
Food dispenser



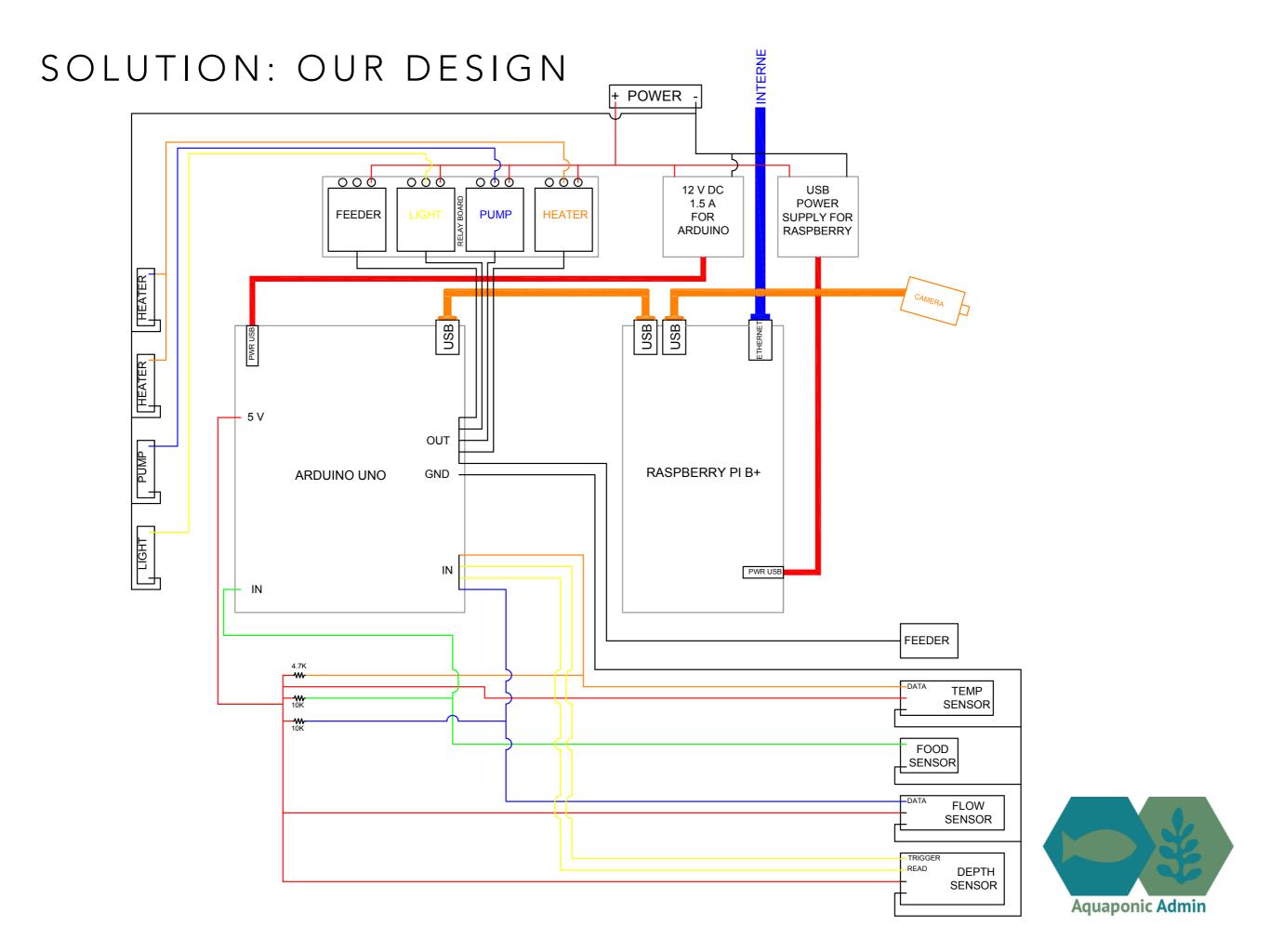


Food dispenser

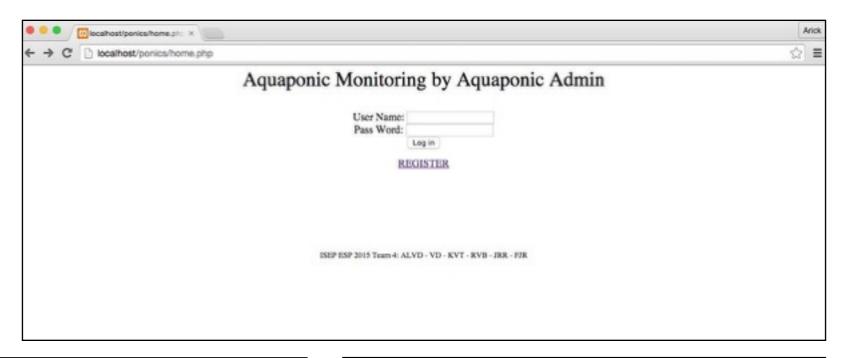


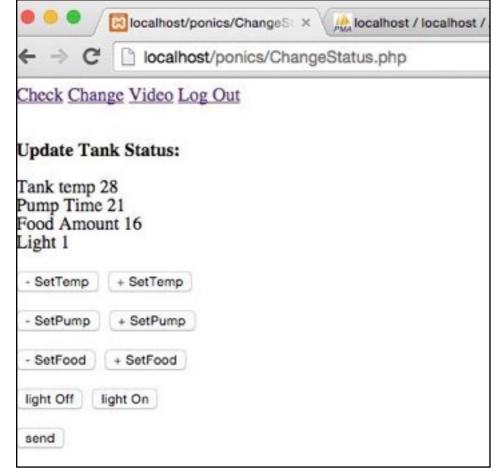


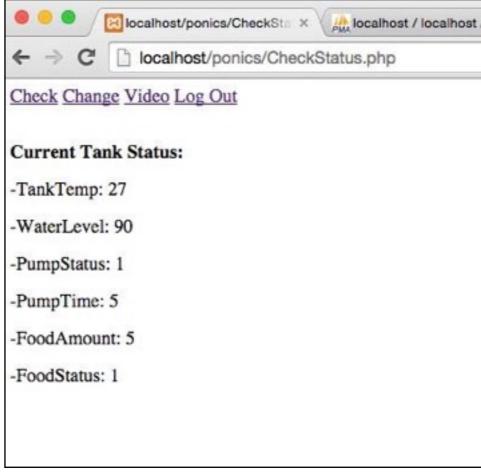




SOLUTION: WEBSITE









PROJECT MANAGEMENT

Project Scope

Time Management

Cost Management

Human Capital

Customer Satisfaction



CONCLUSION

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State of the art

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