Fermentation Station

Agenda

1 | The Idea

2 | The Plan

3 | The Costs

4 | The Risks

5 | The Team

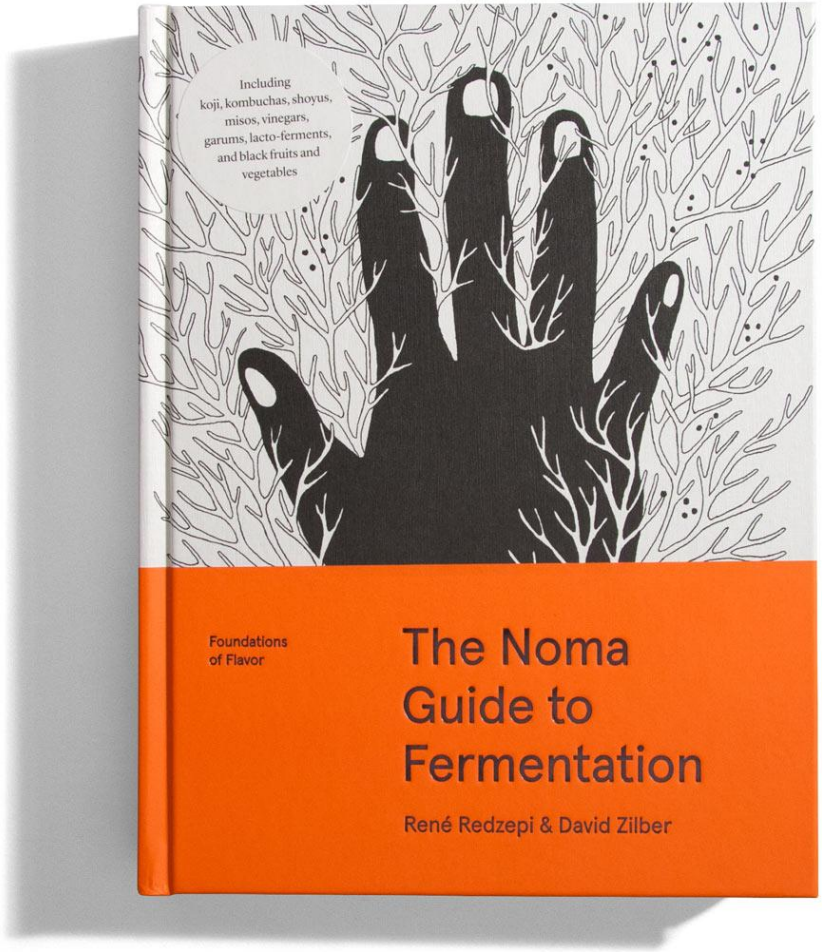
Idea

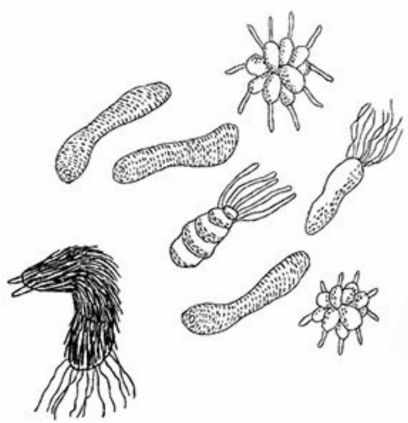
Delicious

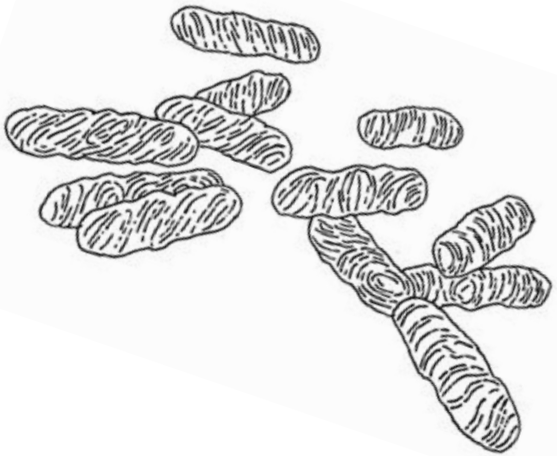
Healthy

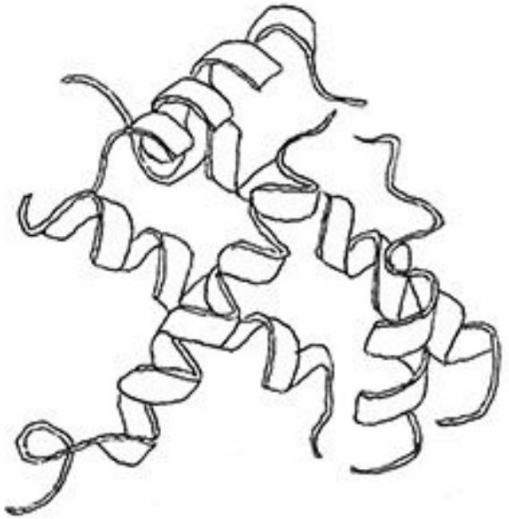
Food Science

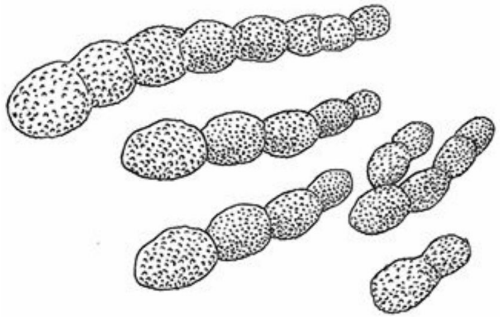
… but can be expensive

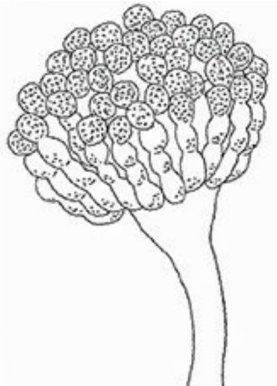












Maintain a Favourable Environment

Why build it yourself?

Usually expensive and clunky

Heating is a gamble

Little control

Too many cables

Plan

Functions

Presets for common ferments

Temperature Control up to 60°C

Humidity Control

Runtime over Days/Weeks

Fermentation Box

ATmega328

Capacitive Touch Control

LCD ***or*** E-Ink Display

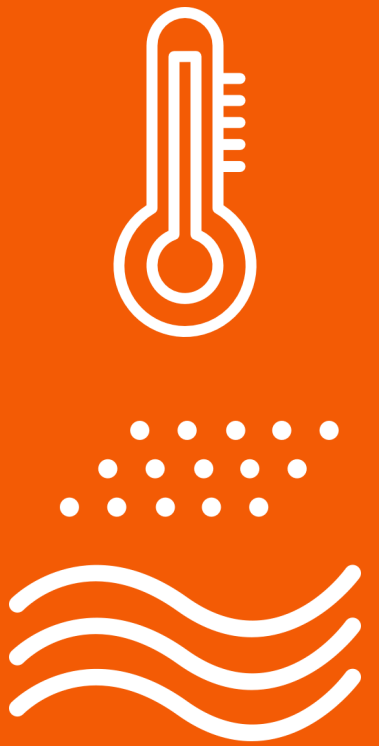
Sensors & Actuators

Heat & Humidity Sensor

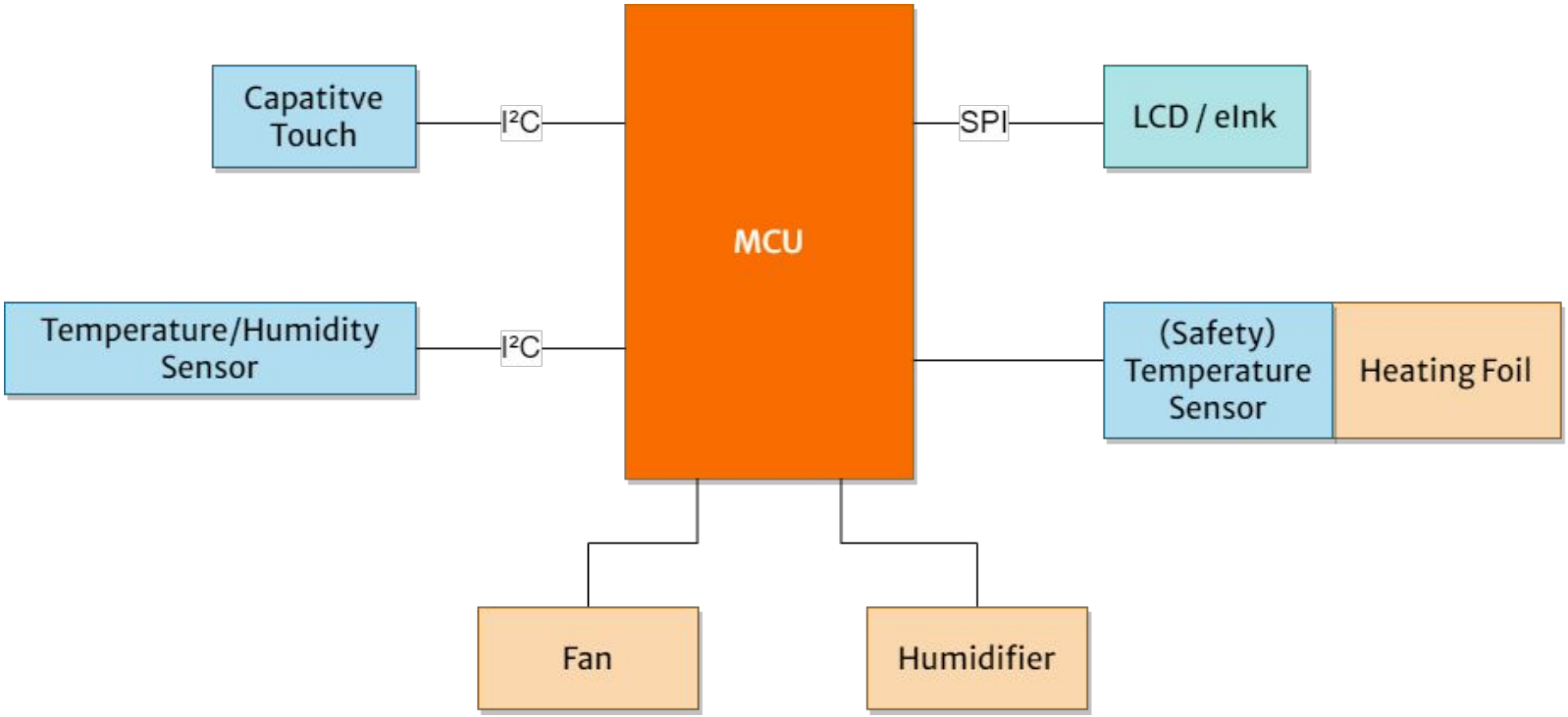
Humidifier

Heating Foil

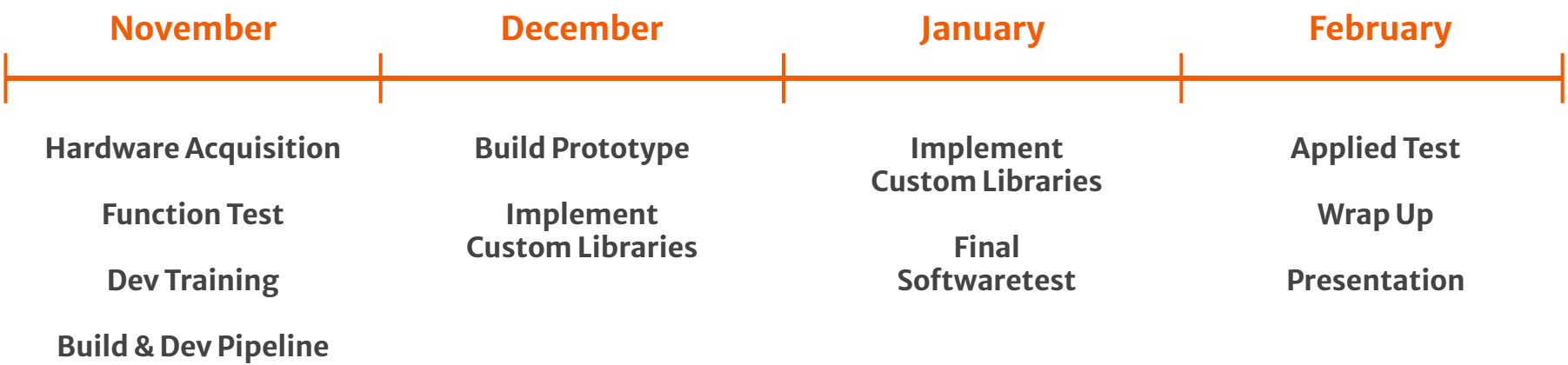
PC Fan



Hardware / Software



Milestones


November
December
January
February
Hardware Acquisition
Function Test
Dev Training
Build & Dev Pipeline
Build Prototype
Implement Custom Libraries
Implement Custom Libraries
Final Softwaretest
Applied Test
Wrap Up
Presentation

Costs

< 100€

Risks

Risks

Fire Hazard

Precision Issues

Hardware Quality Issues

Reliability Issues

Delays

Staff

Team

Roles

Simon
Hardware

Alex
PM, Testing,
& Deployment

Paul
Software

Roles

Simon
Hardware

Alex
PM, Testing,
& Deployment

Paul
Software

Thank You!