

“THE INTERNET OF THINGS”



NEST



UP24



SPOTTER

KIT OF PARTS/MODULAR ELECTRONICS



CUBELETS



LEGO MINDSTORM

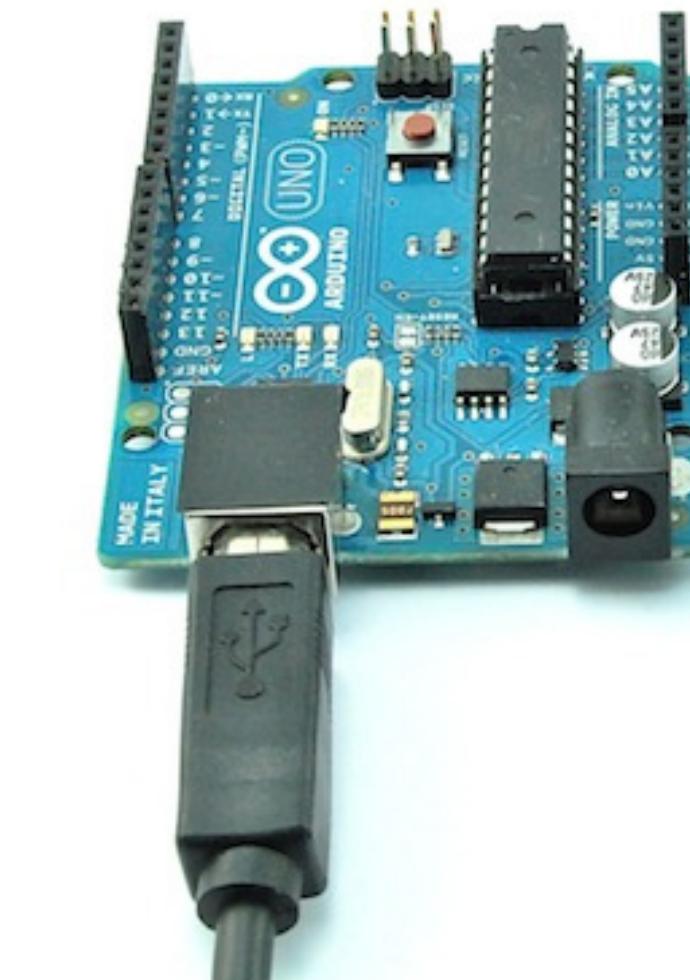


PHONEBLOKS

DIY / OPEN SOURCE ELECTRONICS



DIY CELLPHONE



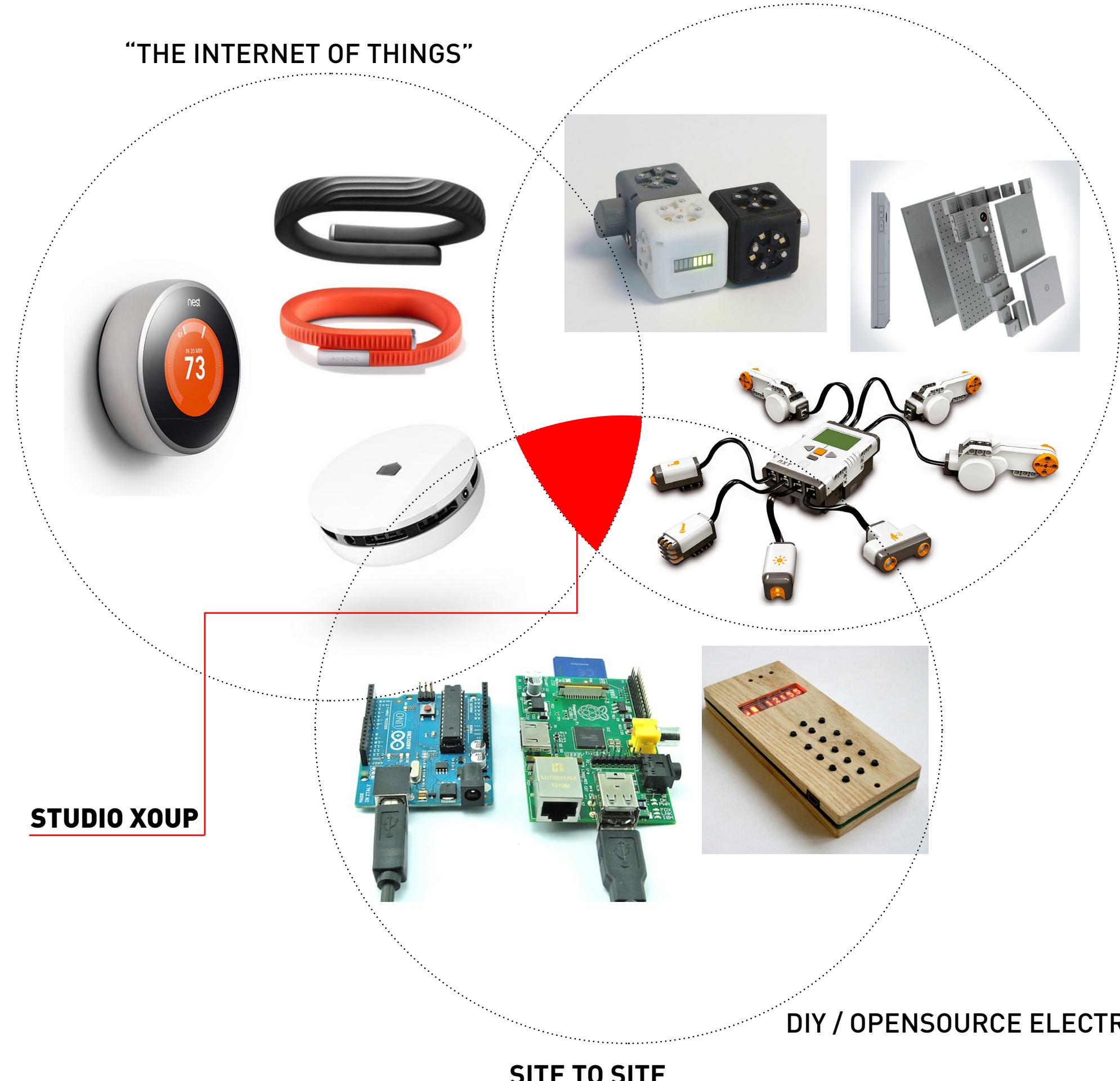
SITE TO SITE



ARDUINO/RASPBERRY PI

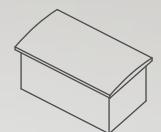
KIT OF PARTS/MODULAR ELECTRONICS

“THE INTERNET OF THINGS”

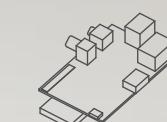


COMPONENTS

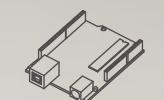
DEVICES



thermal printer



raspberry pi



arduino uno

SENSORS



photosensor



humidity
sensor



pressure
sensor

ASSESSORIES

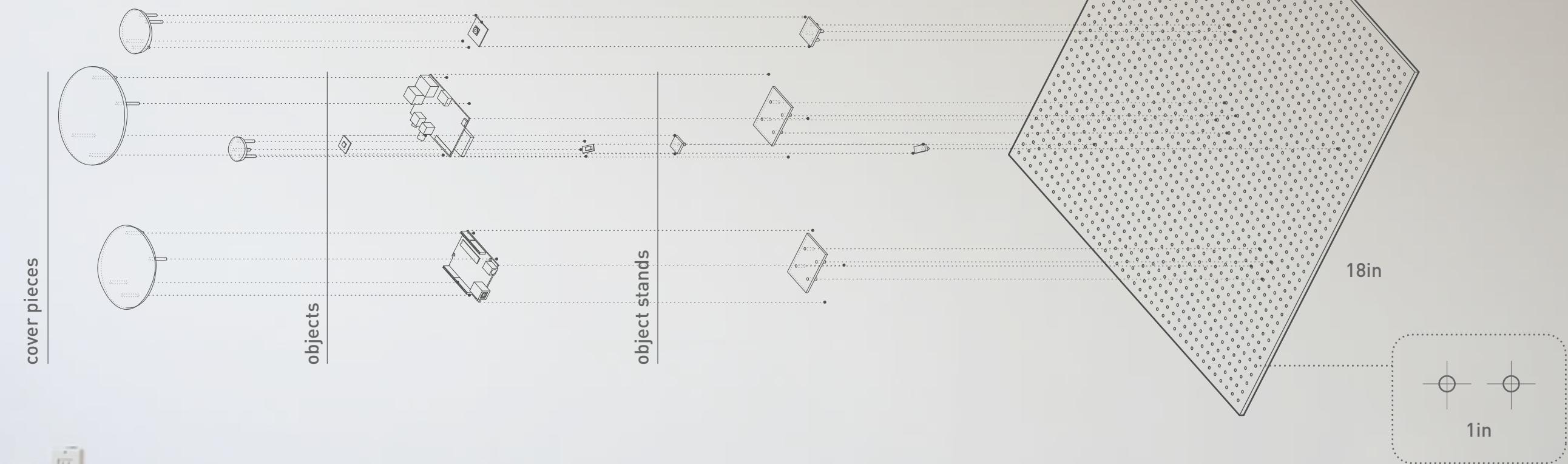


raspi-cam

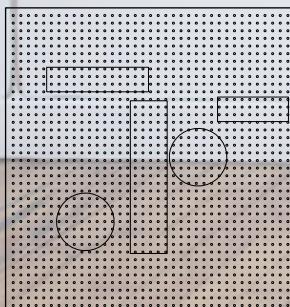


button

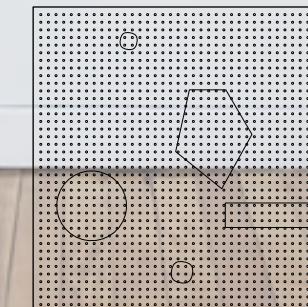
ASSEMBLY



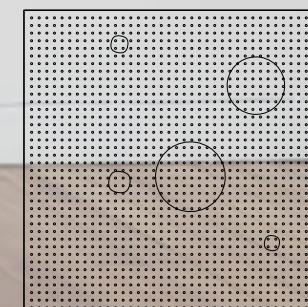
ITERATIONS



configuration A



configuration B



configuration C



JAMES QUICK

SITE TO SITE

FALL 2013



JAMES QUICK

SITE TO SITE

FALL 2013

What is an API?

API, an abbreviation of *application program interface*, is a set of routines, protocols, and tools for building software applications. A good API makes it easier to develop a program by providing all the building blocks. A programmer then puts the blocks together.

What is an **Architecture API?**

ArchAPI, an abbreviation of *architecture application program interface*, is a stream of content, concepts, data, and processes for building architecture and contributing to architectural discourse. ArchAPI makes the slurry of stuff which comprises architectural discourse immediately and easily accessible and useful. A designer then puts the blocks together.

What kinds of precedents are we responding to?

The screenshot shows the Xively developer dashboard for a device named "MIZAH-BIT".

Device Details:

- Name:** MIZAH-BIT
- Type:** Public Device
- Product ID:** 9BePeTa7T-QsHbElrpMq
- Product Secret:** a3094ee42a461be6f07493985f9d498da3bf4a8c
- Serial Number:** HQMF4F3FPDX7
- Activation Code:** c0e36539ec3bffd62acf0a23a5fa04c509705b33

Status: Activated at 16-07-2013 09:03:48. [Deactivate](#)

Deployment: [Deploy](#)

Feed Information:

- Feed ID:** 1905489015
- Feed URL:** <https://xively.com/feeds/1905489015>
- API Endpoint:** <https://api.xively.com/v2/feeds/1905489015>

Channels: Last updated 5 months ago

AccelX: 396.00 (Last updated 5 months ago)

Graphs: 1 hour raw datapoints

Not enough datapoints for this timespan

[Edit](#) [Delete](#)

Request Log:

- 200 GET feed 09:24:41 +0300

API Keys:

Auto-generated MIZAH-BIT device key for feed

“Xively is the Public Cloud specifically built for the Internet of Things”

What must we address that the existing model fails to?



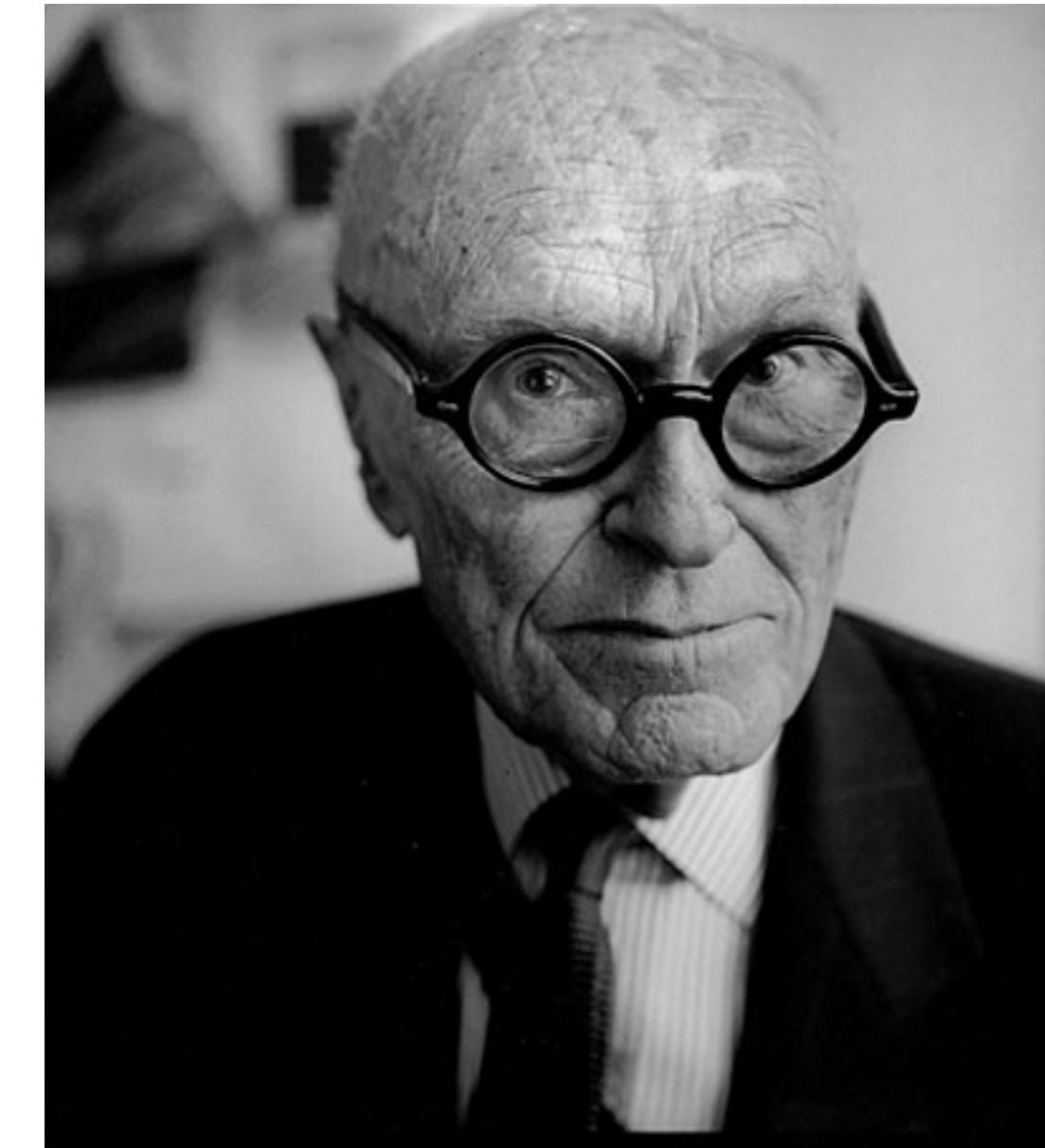
"Architecture is a set of endlessly absorbing questions for our society rather than a set of clearly defined objects with particular effects."

Mark Wigley



"Concepts differentiate architecture from mere building...A bicycle shed with a concept is architecture; a cathedral without one is just a building."

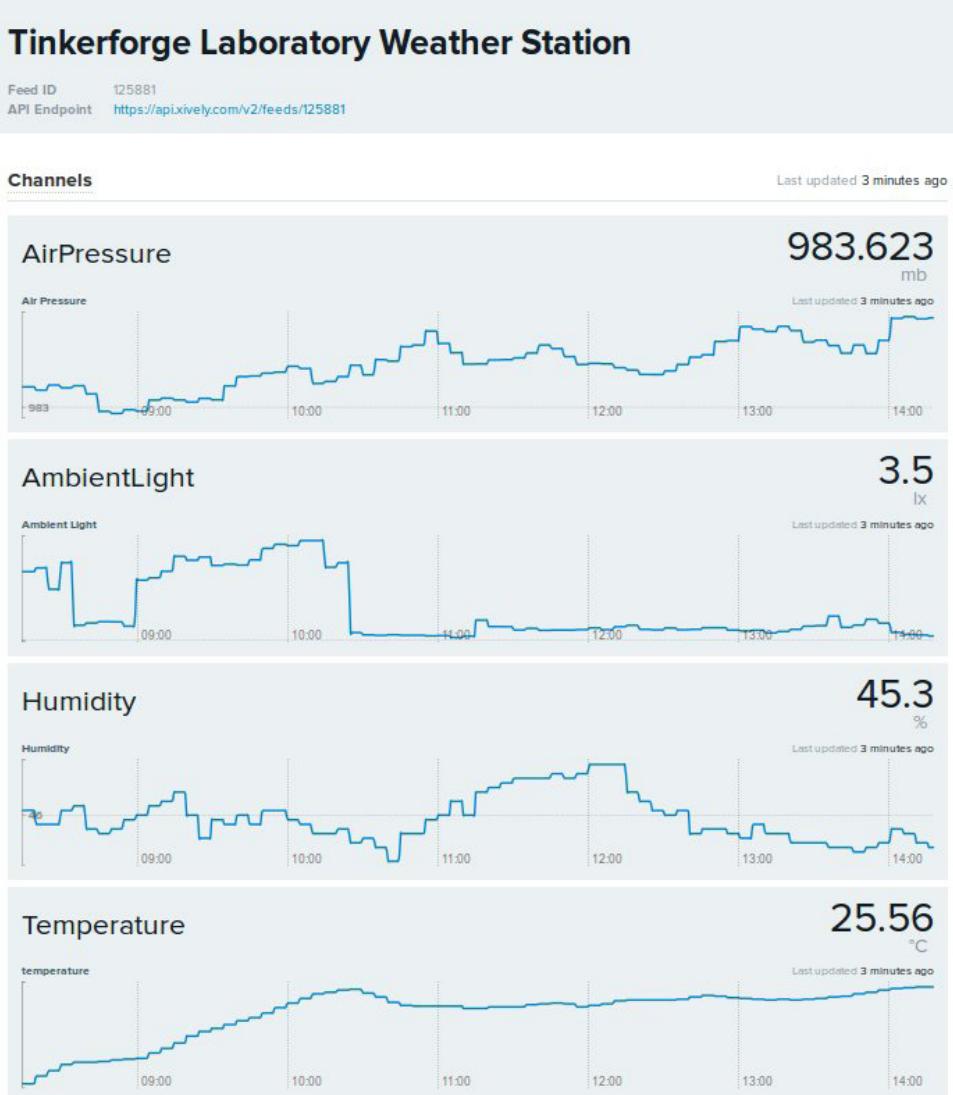
Bernard Tschumi



"Although there is no sharp break between what is in the fullest sense architecture and what is not, there is a broad differentiation between *architecture* and *building*."

Philip Johnson

API



DATA

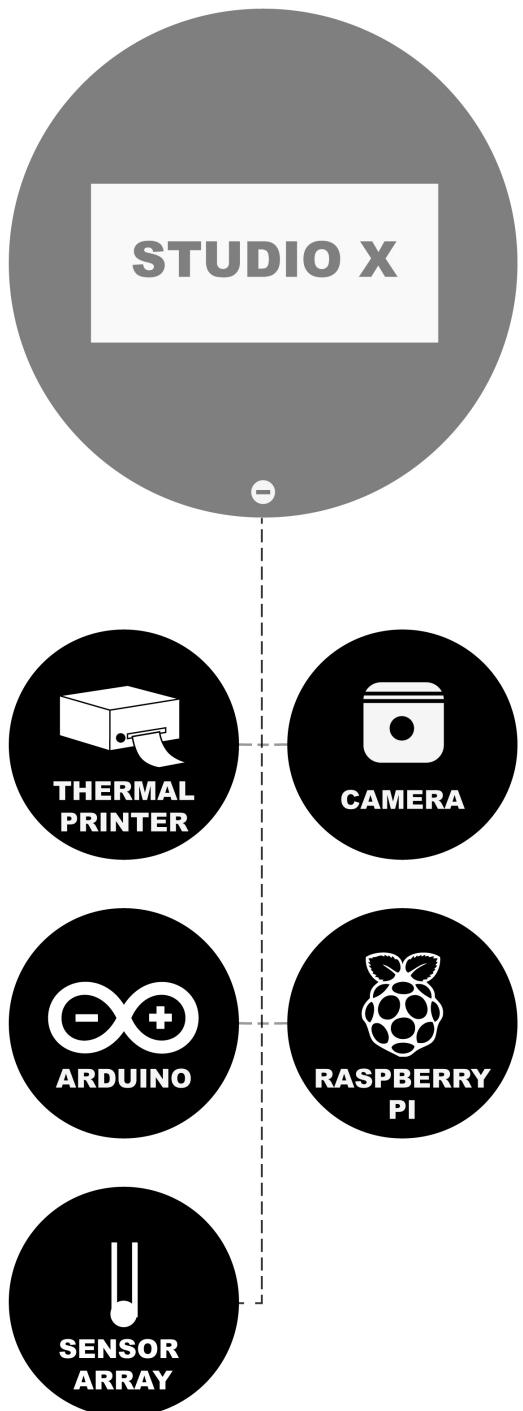
ARCH API



DATA, CONTENT, AND CONCEPTS

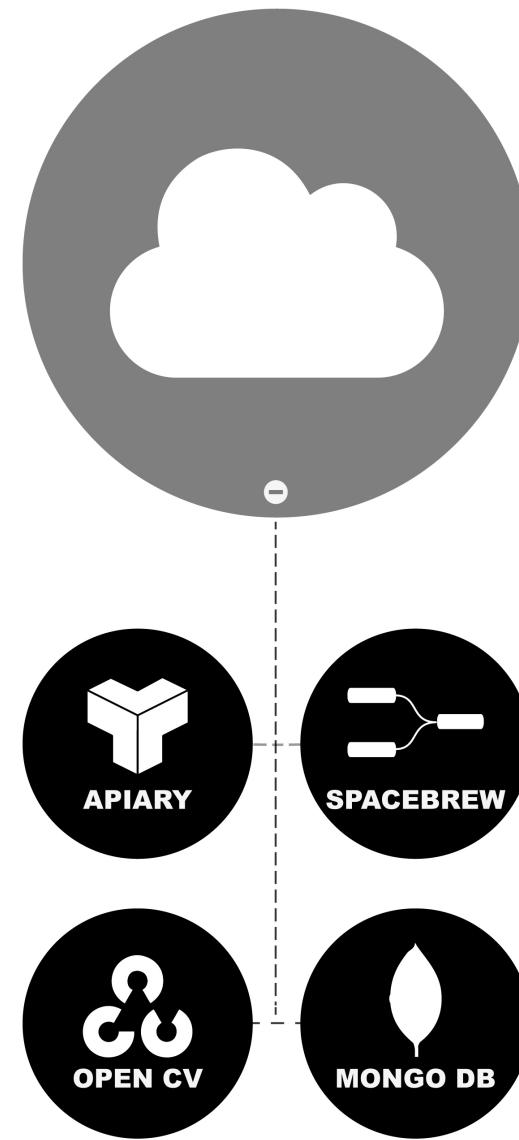
THIS IS STUDIO XOUPE :

THE LIFE OF STUDIO X...



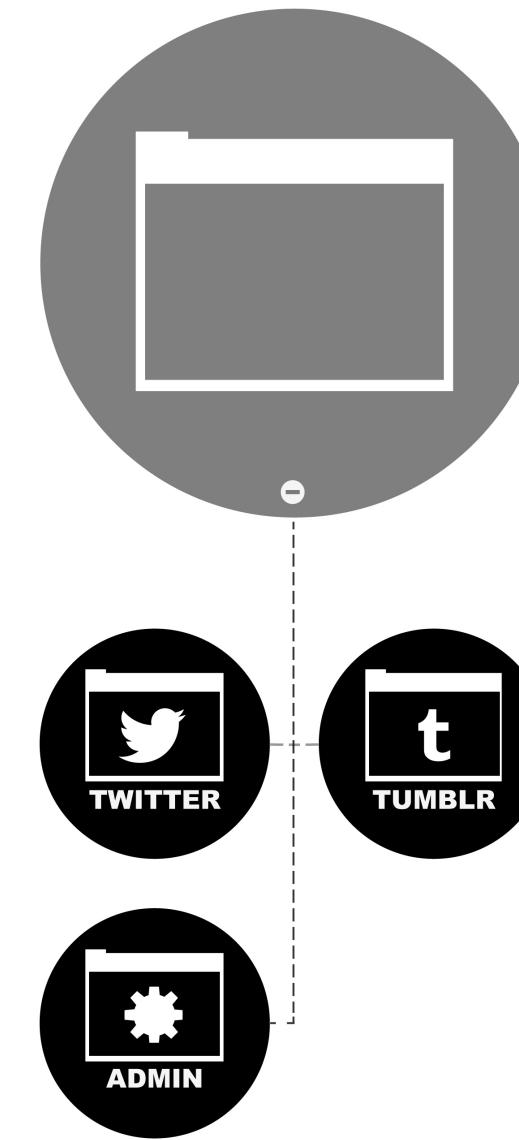
WE HACKED STUDIO X AND SET UP A BUNCH OF CAMERAS, SENSORS, AND PRINTERS, AND CONNECTED THEM ALL TO MINI COMPUTERS.

IS PUT ONLINE...

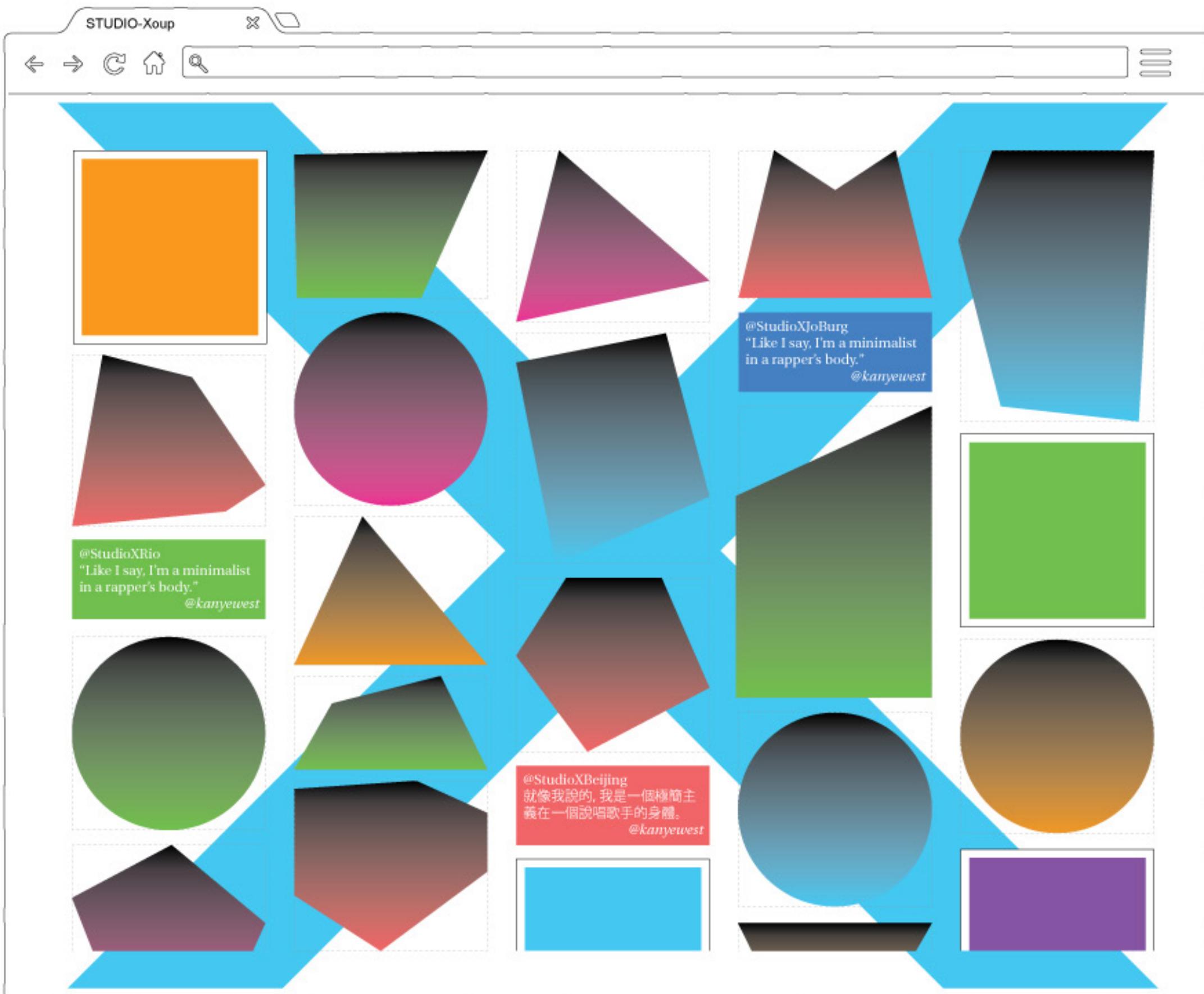


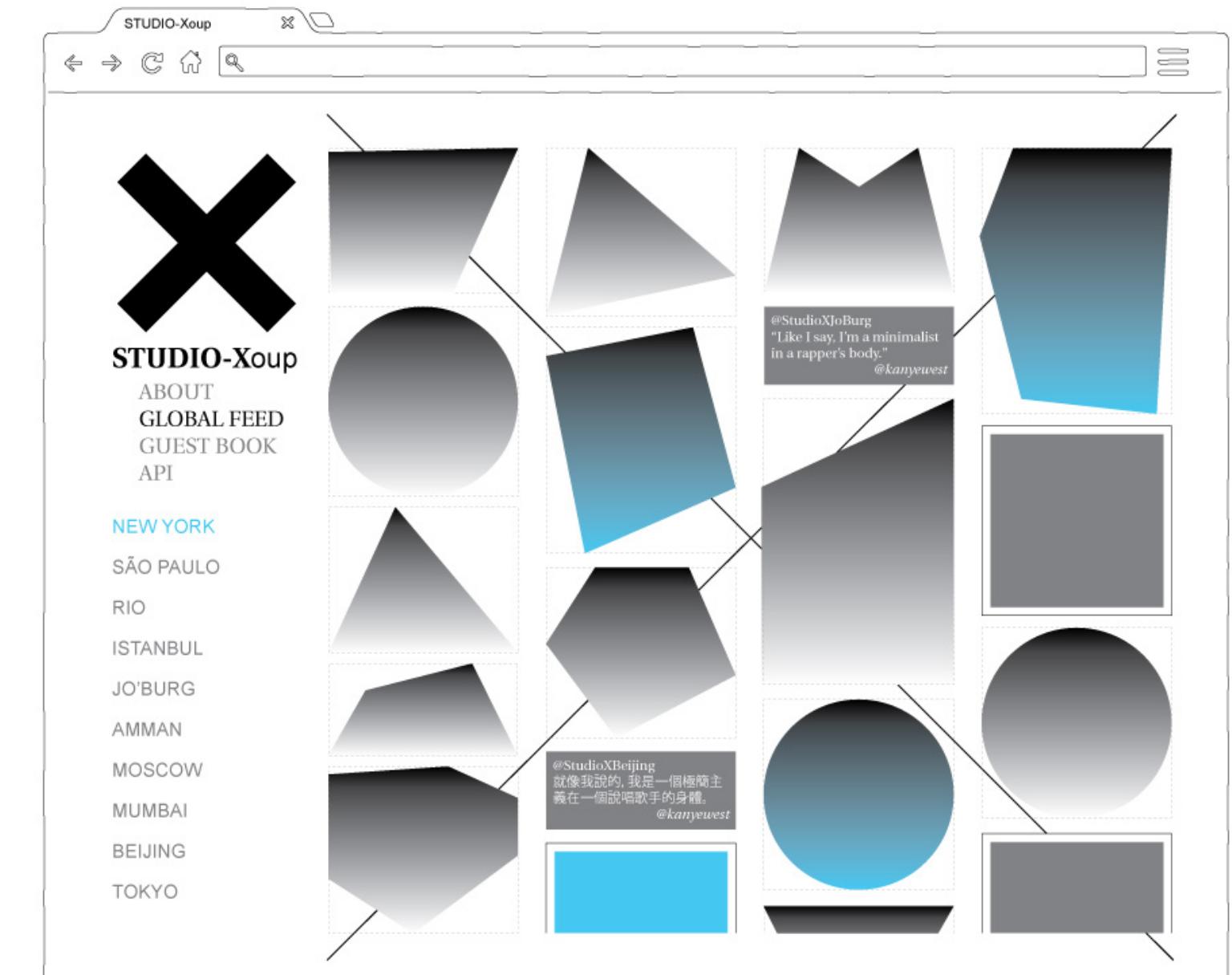
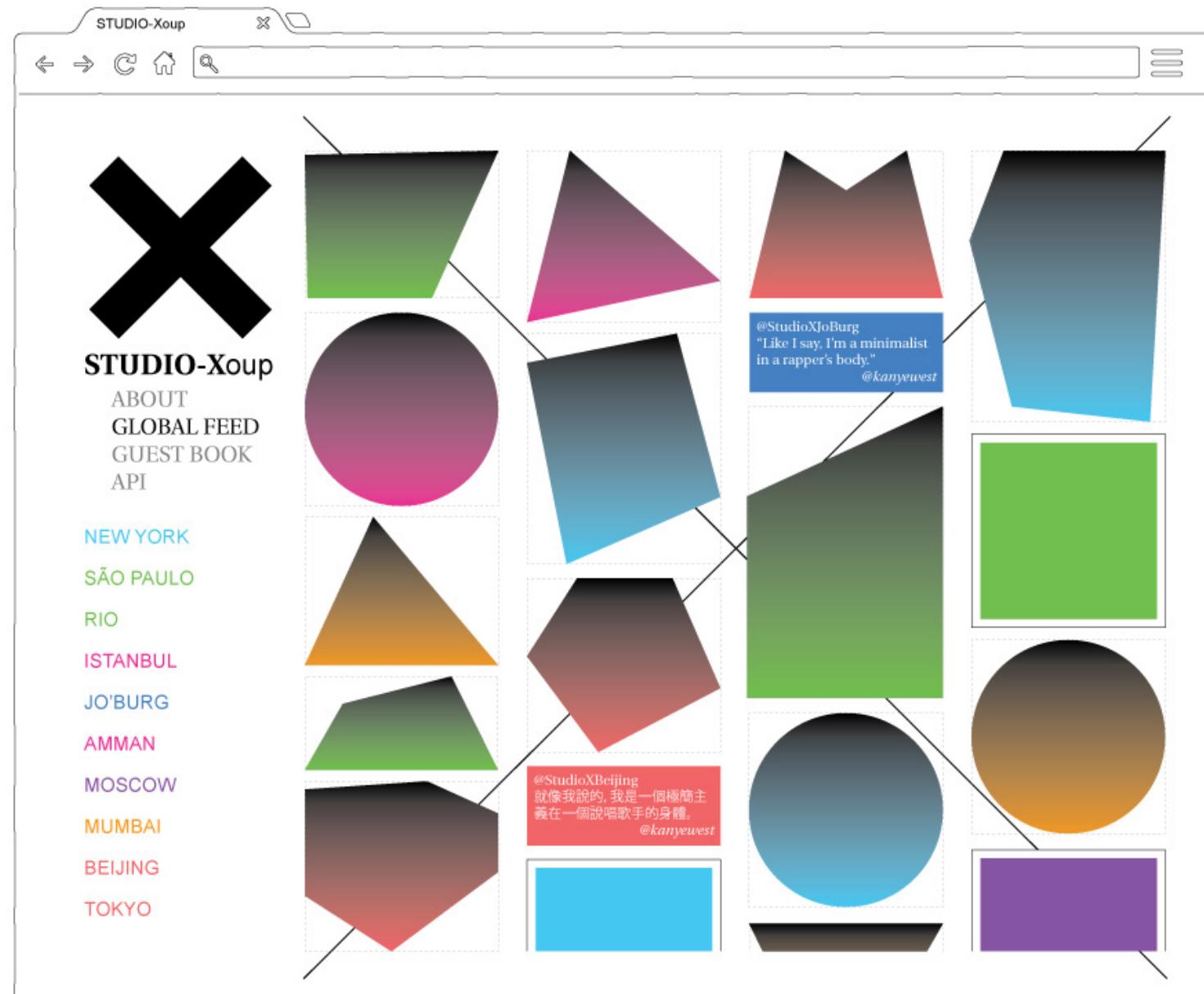
EVERYTHING IS CONNECTED AND CONTROLLED ONLINE A NUMBER OF DIFFERENT PLATFORMS...

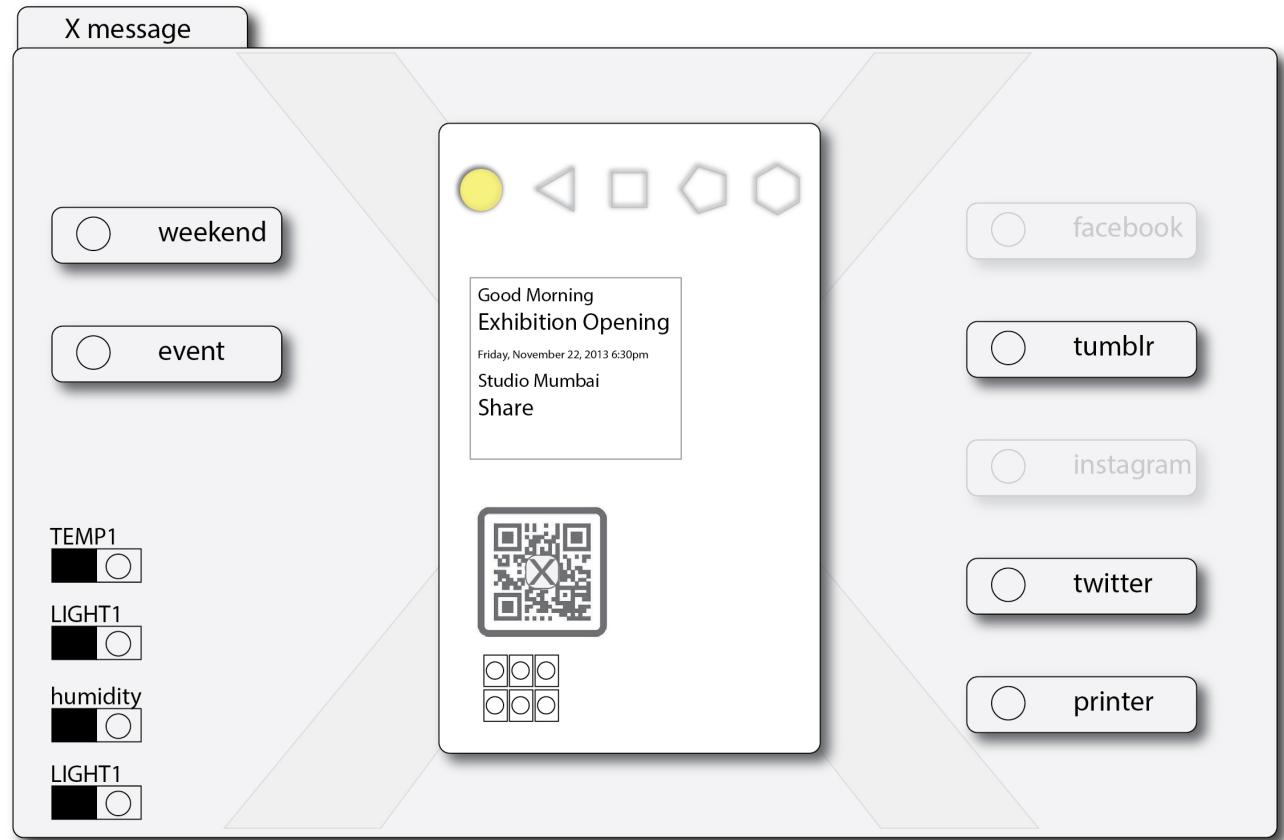
SO YOU CAN SEE IT.



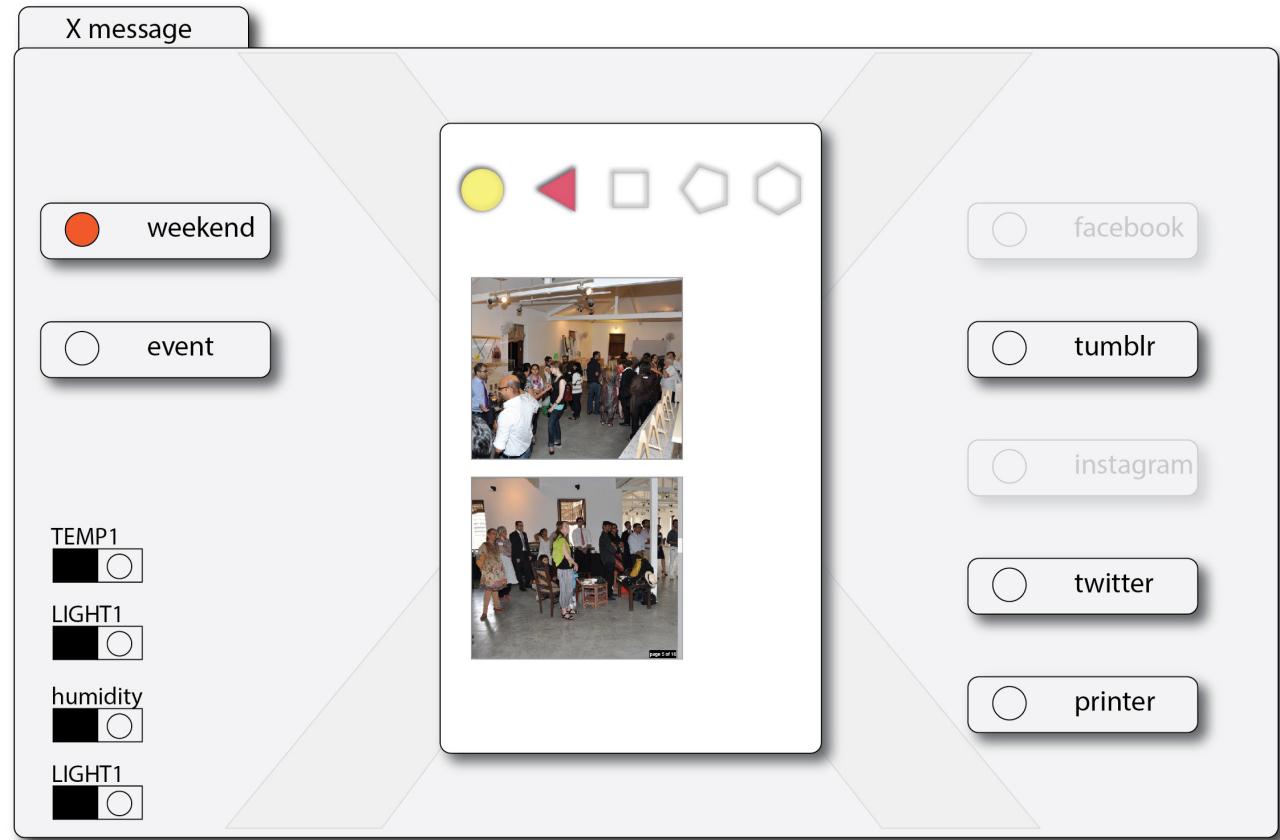
AND UPLOADED TO SOCIAL MEDIA SO YOU CAN SEE AND SHARE THE HAPPENINGS OF STUDIO X.



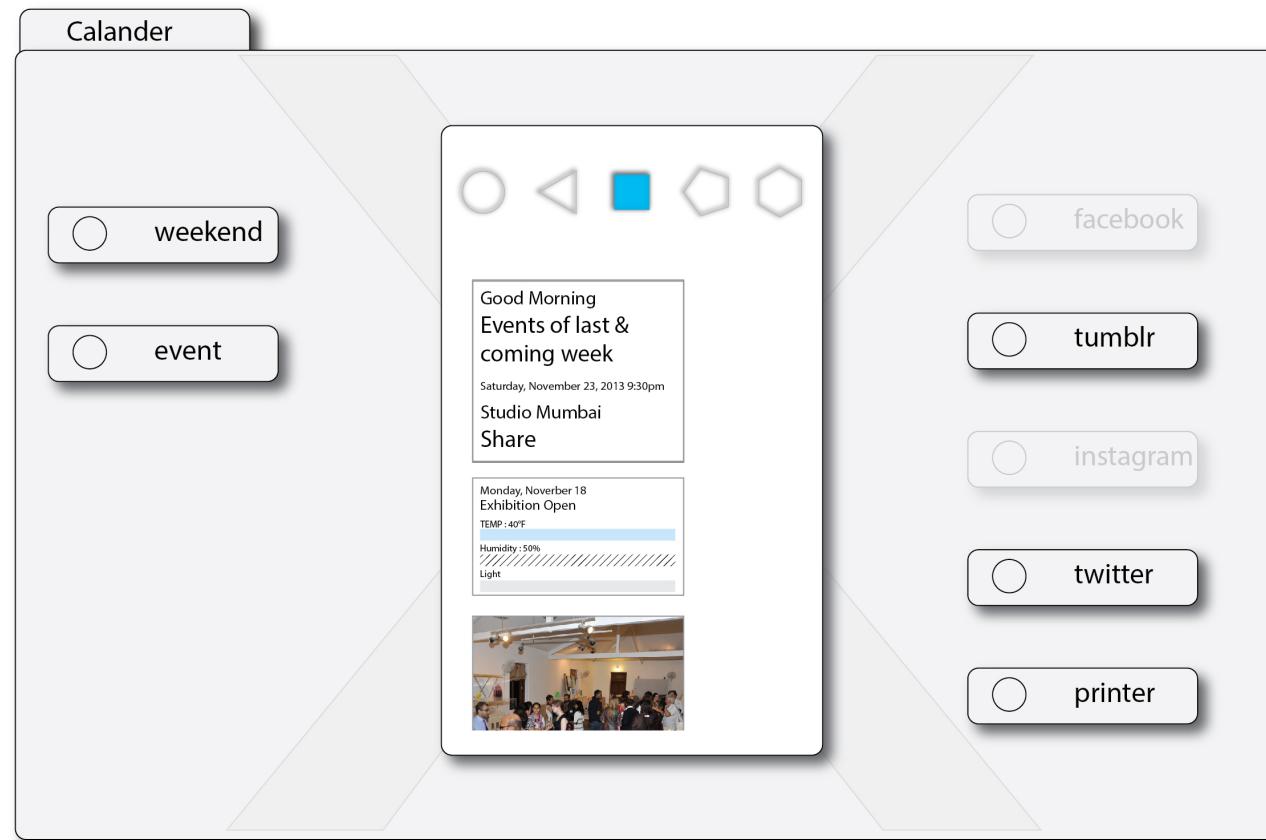




PLAN SENSOR LAYOUT



PLAN SENSOR LAYOUT



PLAN SENSOR LAYOUT