@matteocollina

matteocollina.com

The Internet of Things

RailsGirls - Galway 2013/05/18

Smartphones are changing the world

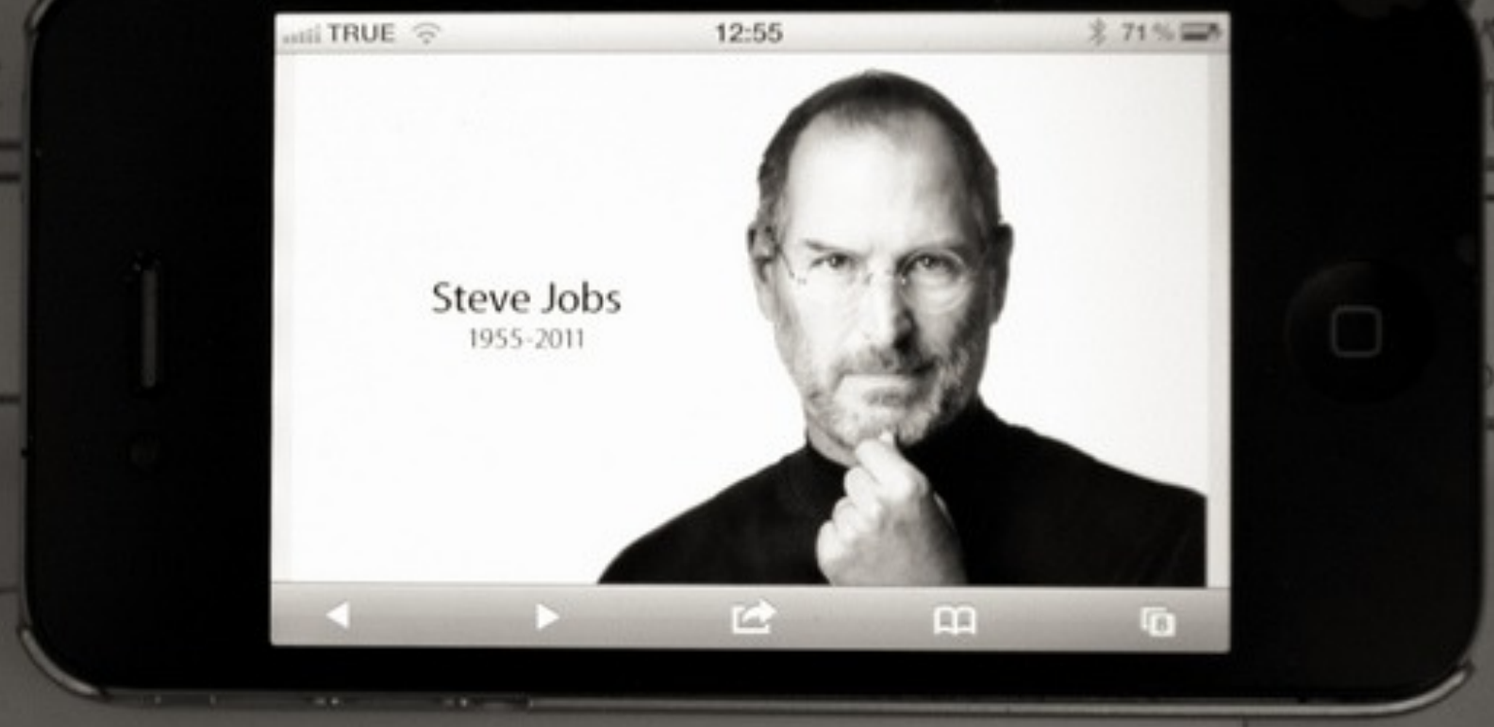
How many people will own a smartphone by 2014

1.000.000.000

Did you see it coming

http://www.flickr.com/photos/12738000@N00/360231193/

Steve did.



http://www.flickr.com/photos/noppyfoto/6216399465/

Thanks.

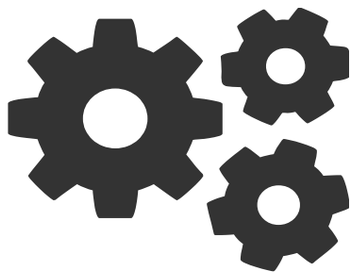
http://www.flickr.com/photos/noppyfoto/6216399465/

They didn’t!

NOKIA
14/02/2006 17:08
1 ao
2 abc
def 3
4 ghi
5 jkl
mno 6
7 pqrs
8 tuv
wxyz 9
* +
0
C

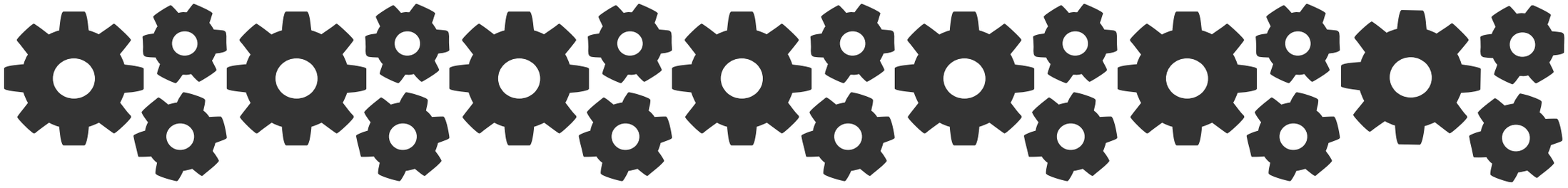
What's next

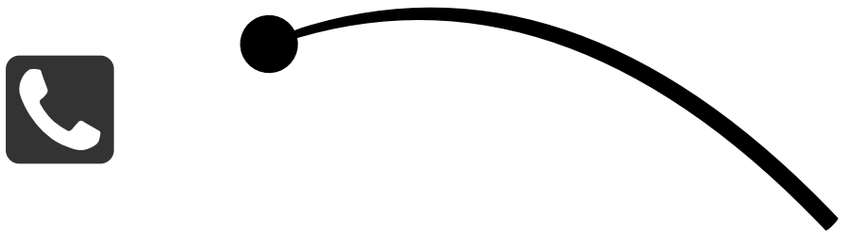
(hint: it's a big number)



50.000.000.000

50.000.000.000





1.000.000.000

"Things"

http://www.flickr.com/photos/adactio/2337914481

50.000.000.000

interconnected

"things"

by

2020

Social Web Of Things Video

http://www.youtube.com/watch?v=i5AuzQXBsG4

Let's experiment

Goal:

Monitor **my** house temperature

I want to chat with **my** house

>: hi house
hi matteo

>: what's the
temperature?
36

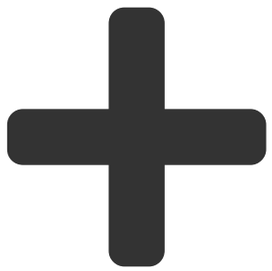
What do we need to sense my house temperature

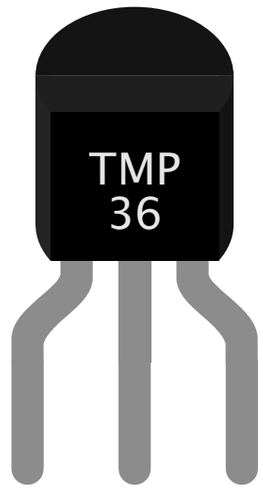
Arduino is an open source microcontroller, that you can use to hack things

http://arduino.cc

http://www.flickr.com/photos/mattrichardson/5029708468/

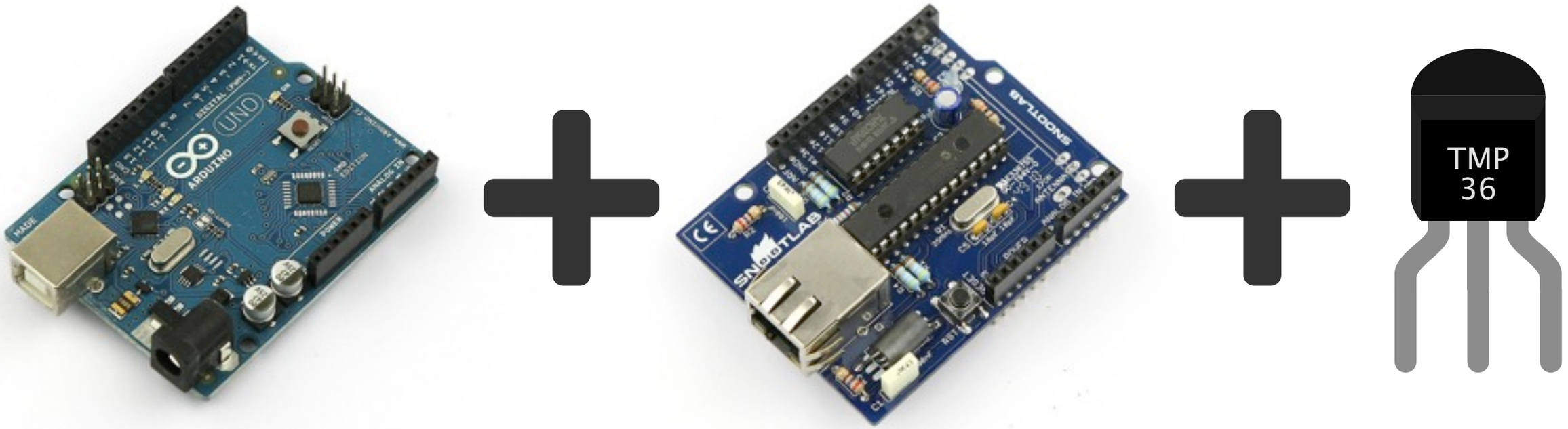
We add a sensor to an Arduino





Made with Fritzing.org

We add an ethernet shield to connect to the Internet



http://www.flickr.com/photos/snootlab/6052465980/

Let's ask something to my house!

http://www.flickr.com/photos/grrphoto/305649629

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Credits

- Font Awesome for the Icons.

- Flickr for LOTS of CC images :).

- Balsamiq Mockup for the iPhone Mockup

Thank You!