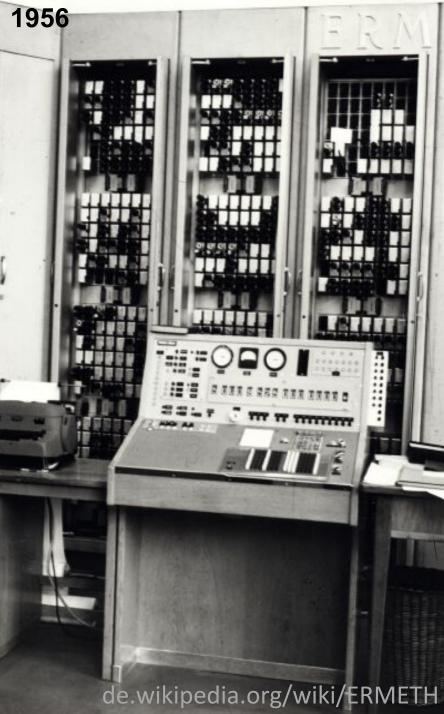
Open Source IoT & Bottom-up Innovation

thomas.amberg@yaler.net





2012





Internet of Things (IoT)

Internet-verbundene Computer, mit Sensoren und Aktuatoren

Internet dringt in die reale Welt ein

Dinge werden zu Web-Services









Economy



"Buy once, read everywhere"





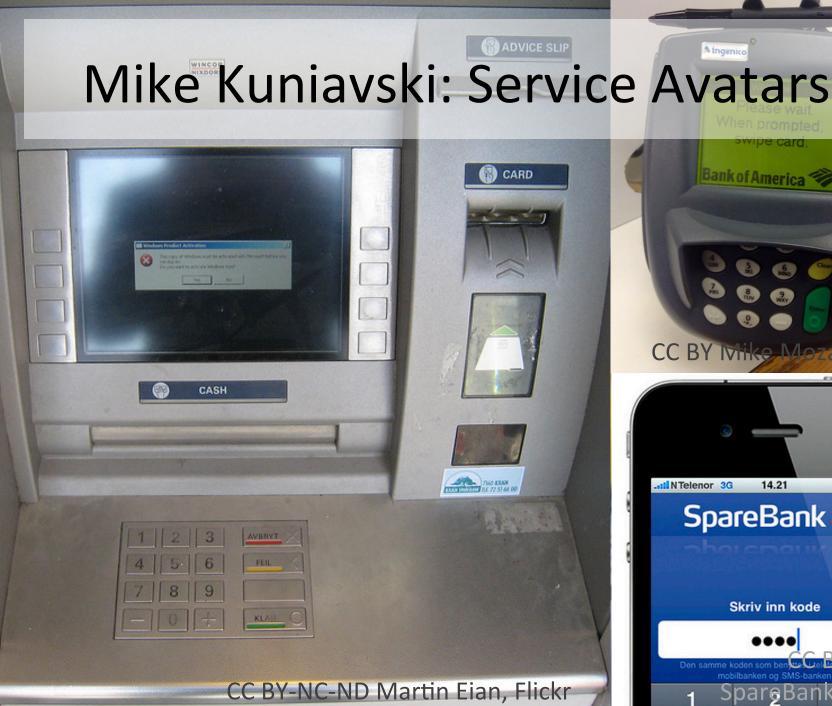






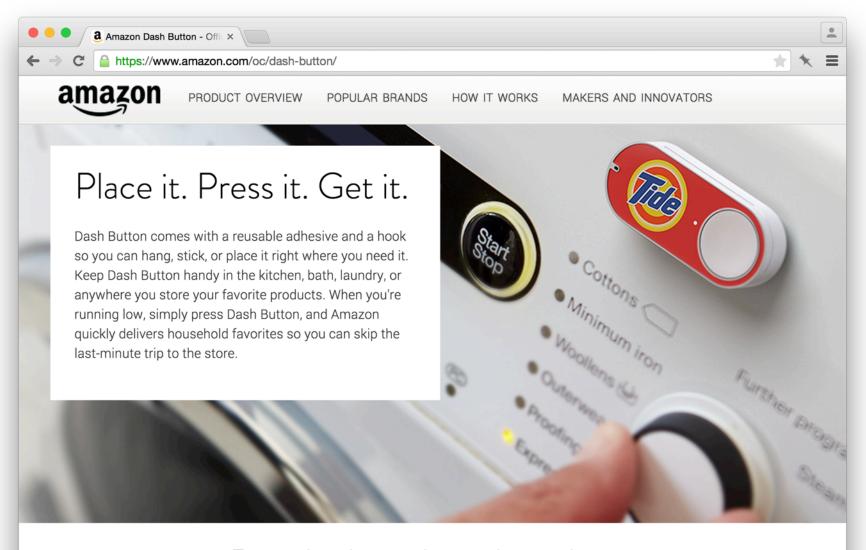












Popular brands and products

Choose from favorite household brands. Select your favorite pack sizes. See selection



withings.com



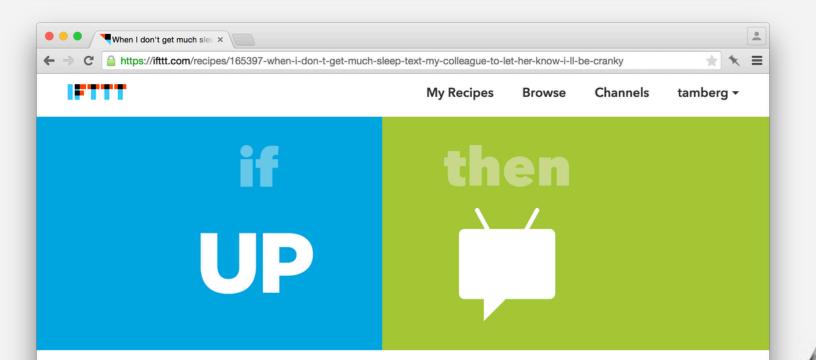








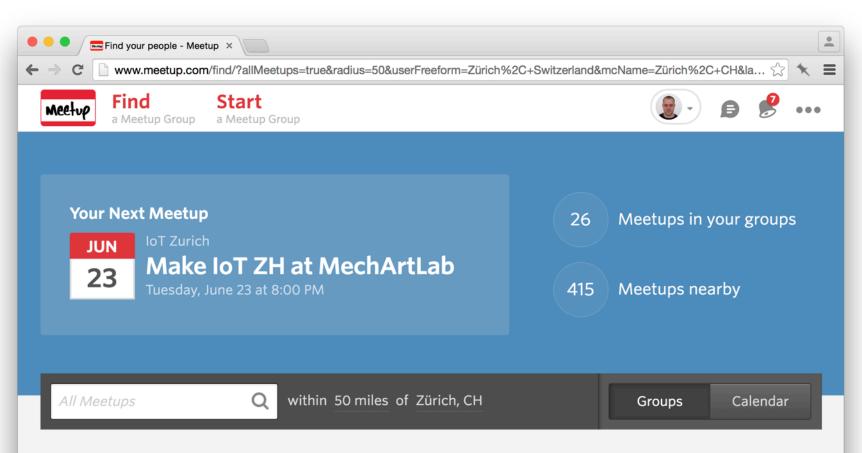
nikeplus.nike.com



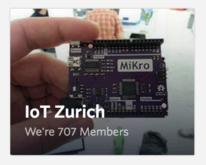
When I don't get much sleep, text my colleague to let her know I'll be cranky.

Sensor (Ronote or local)

tamberg.org, CC BY-SA



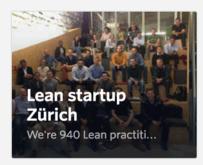
Your Meetups





Hardware Startup Zürich Meetup We're 97 Members

Sort by Recommended

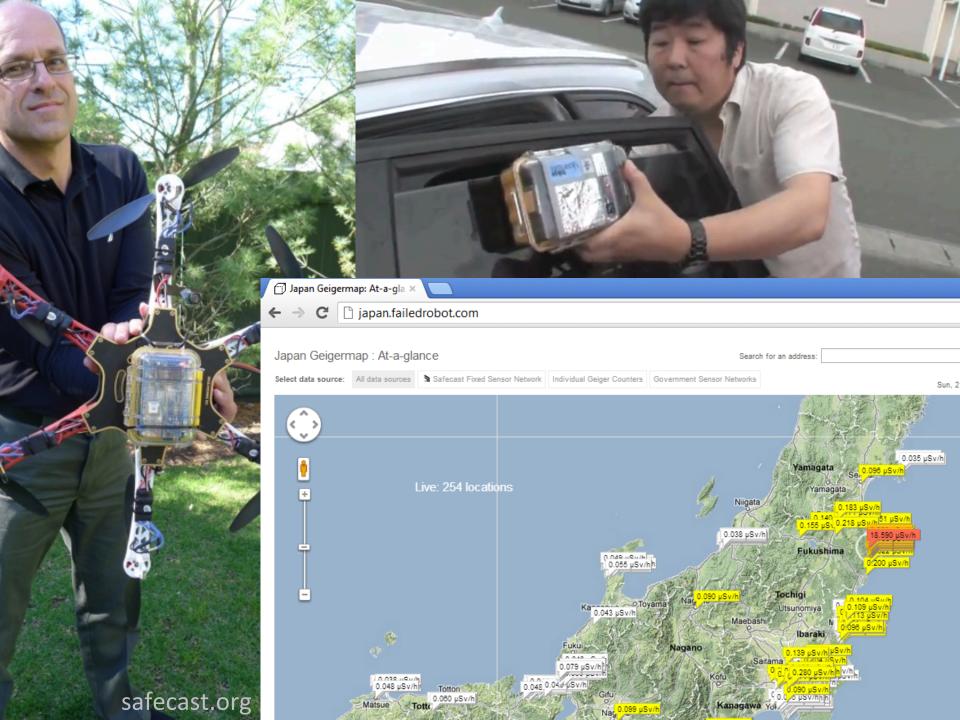




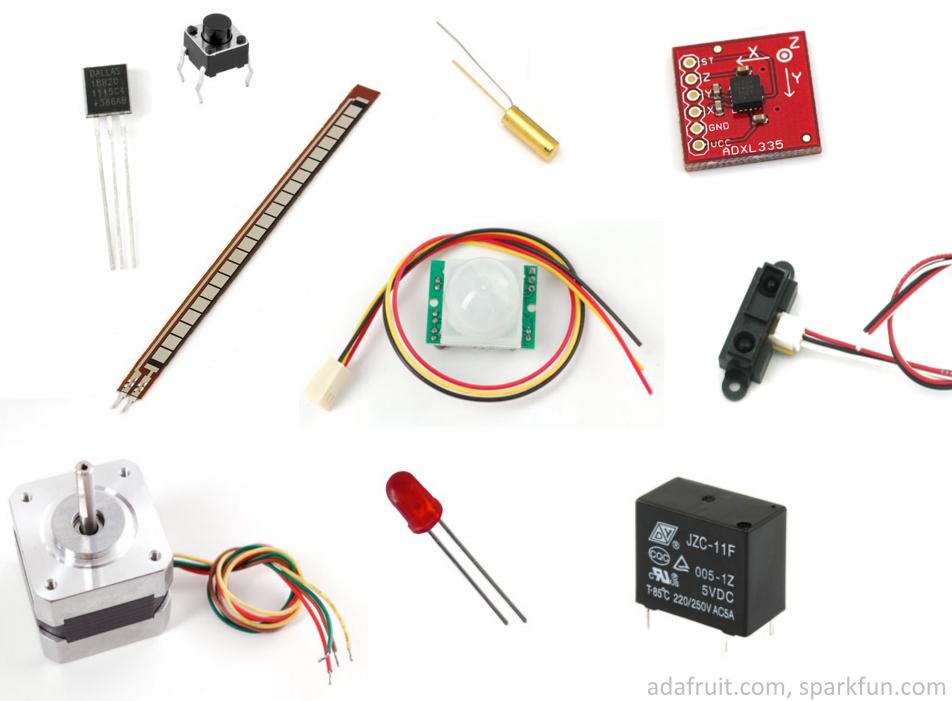






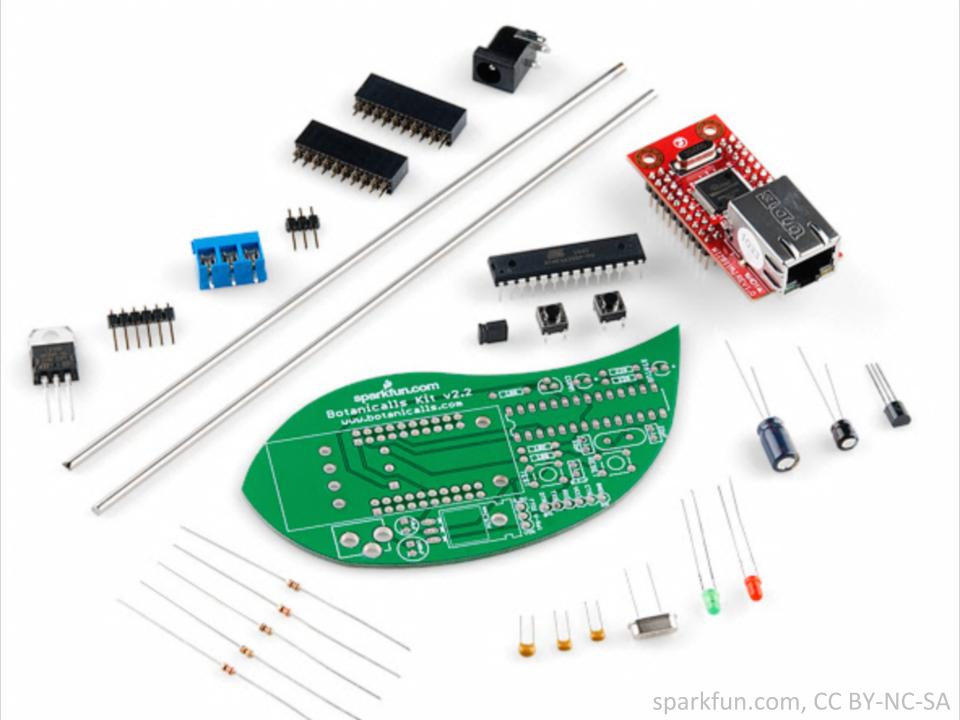




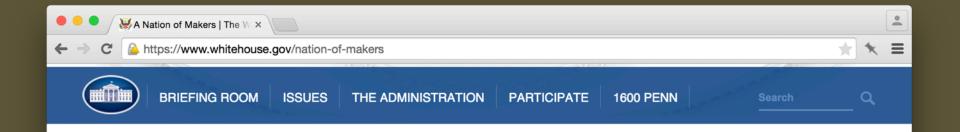












A Nation Of Makers









Massimo Banzi





Menu ~

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Intel CEO Announces Collaboration with Arduino to Inspire Creativity, Learning and Invention with Makers and Students

Posted by IntelPR in Intel Newsroom on Oct 3, 2013 4:00:10 AM

Introduces First Intel-Based Arduino-Compatible Development Board; Announces Donation to 1,000 **Universities Worldwide**

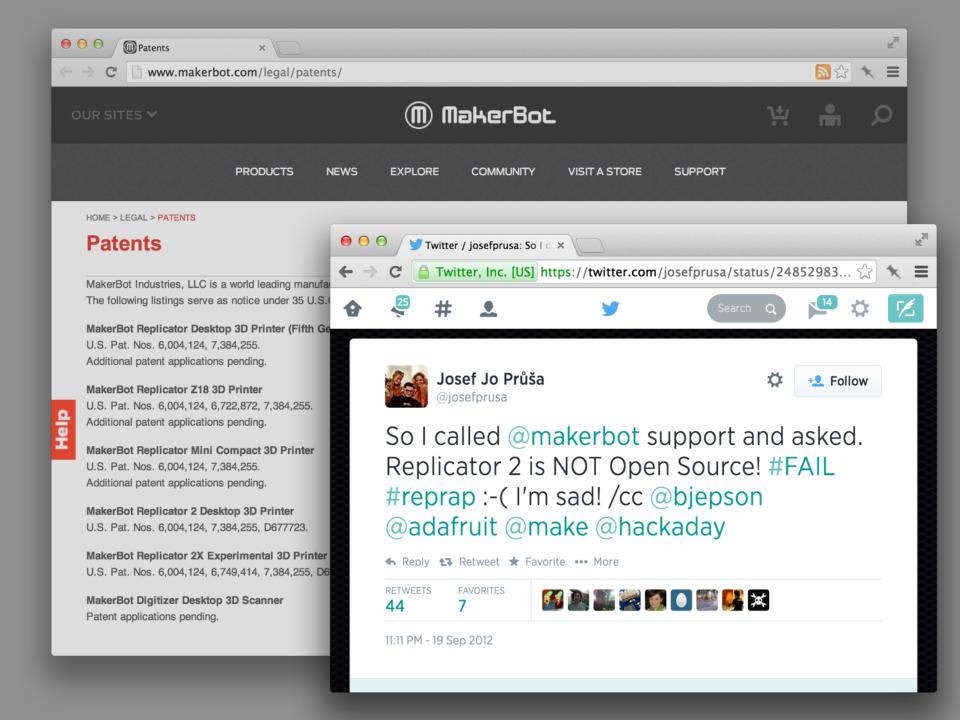
MAKER FAIRE ROME, Oct. 3, 2013 - Intel Corporation CEO Brian Krzanich today announced a collaboration agreement with Arduino LLC, the leading open-source hardware platform in the maker and education community. Krzanich also unveiled the

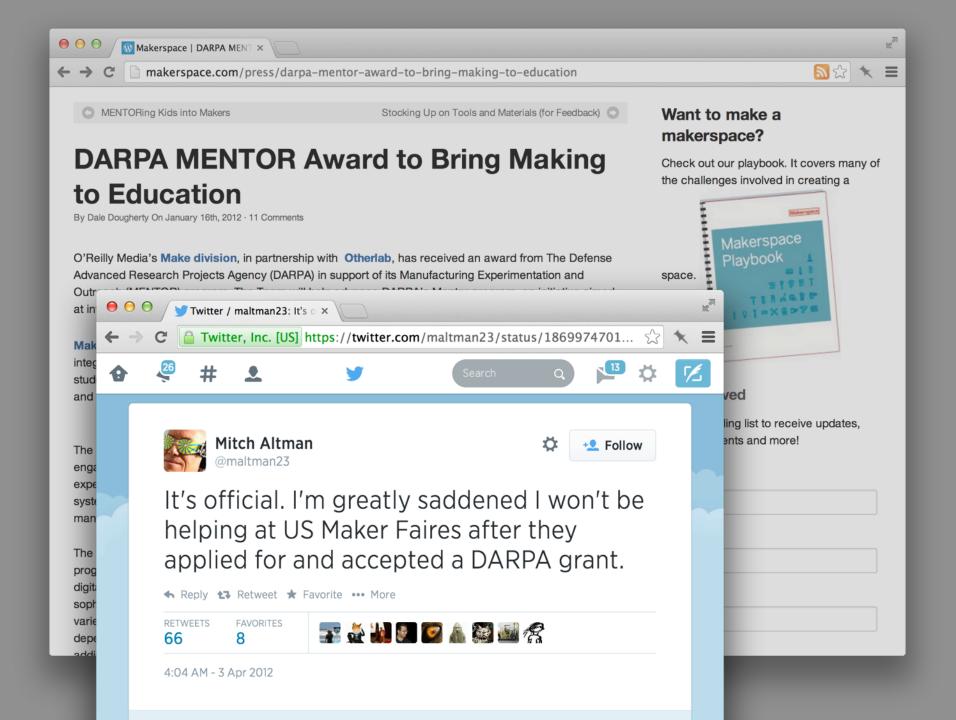


Arduino.cc

education Intel processors research software

technology



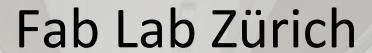






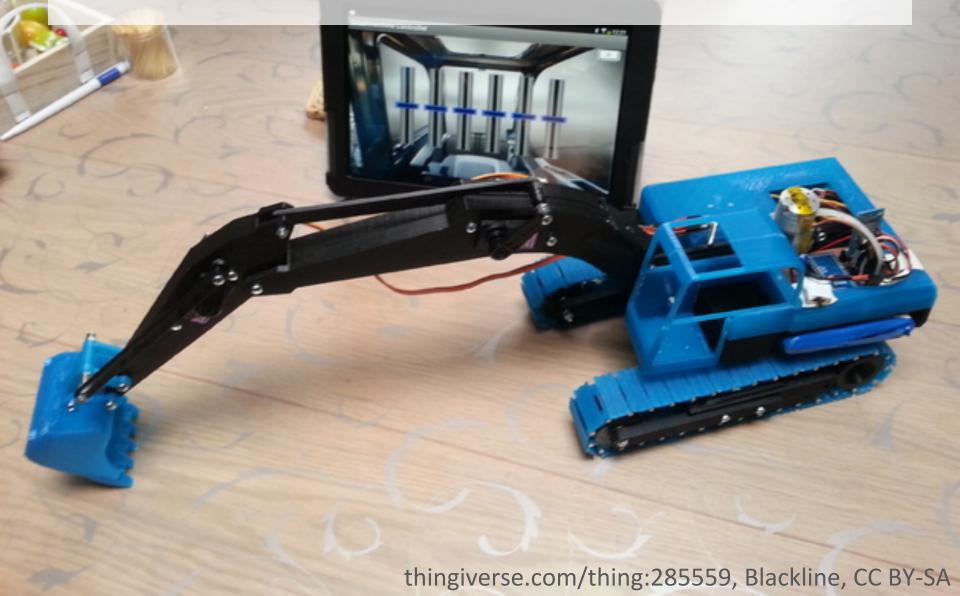
Barcelona Fab City







3D Printed Remote Controlled Toy











www.thingiverse.com/thing:285559



Excavator Bluetooth

by Blackline, published Mar 31, 2014



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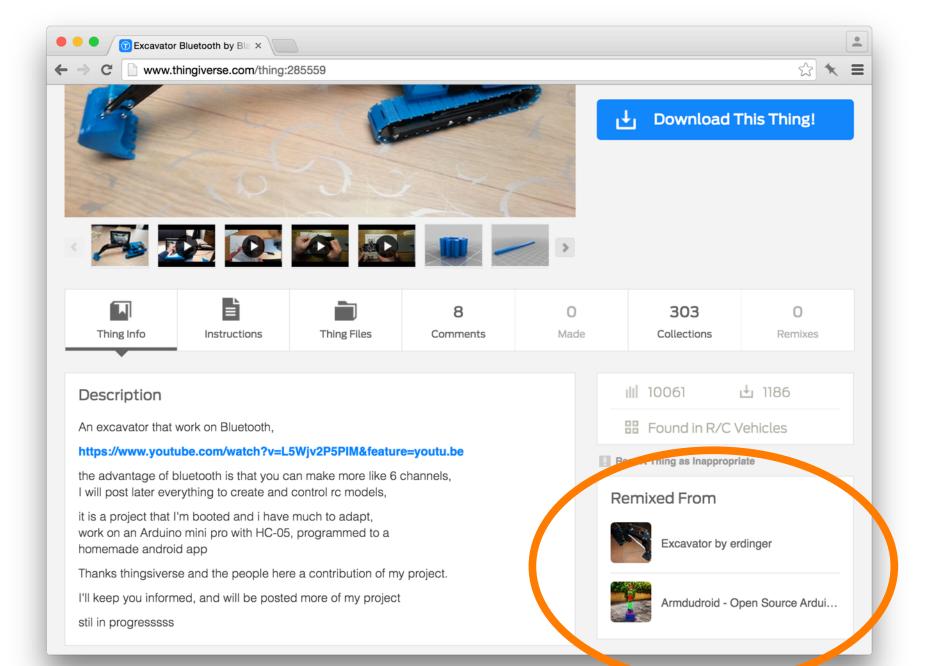


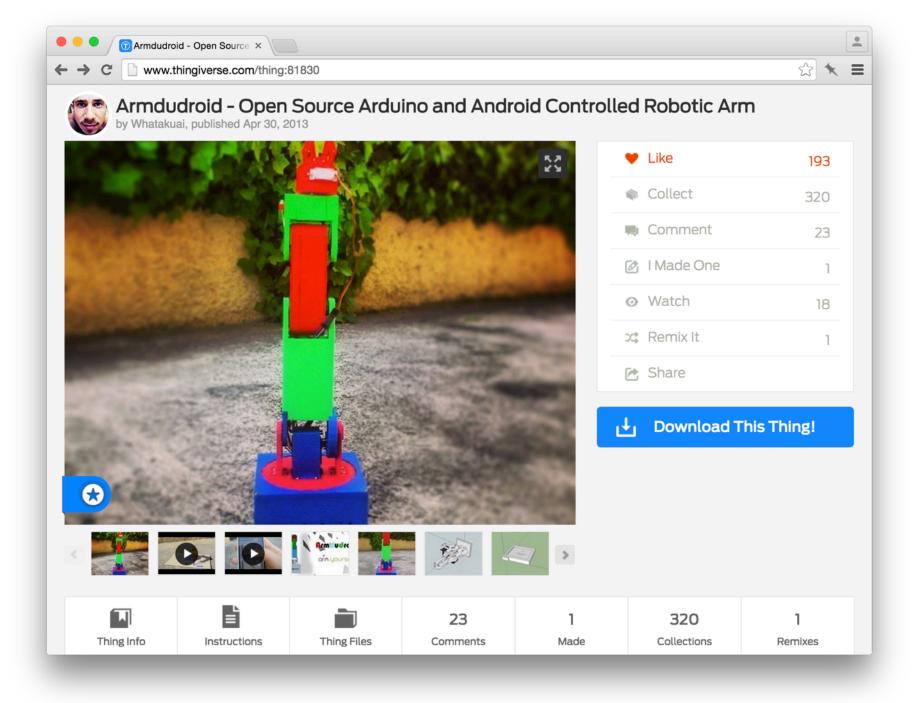
8 Comments

0 Made

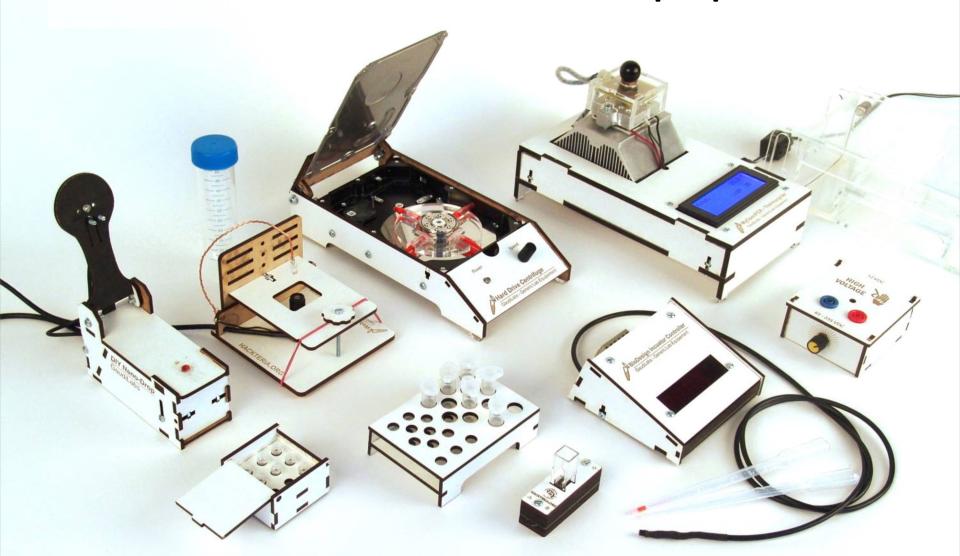
303 Collections

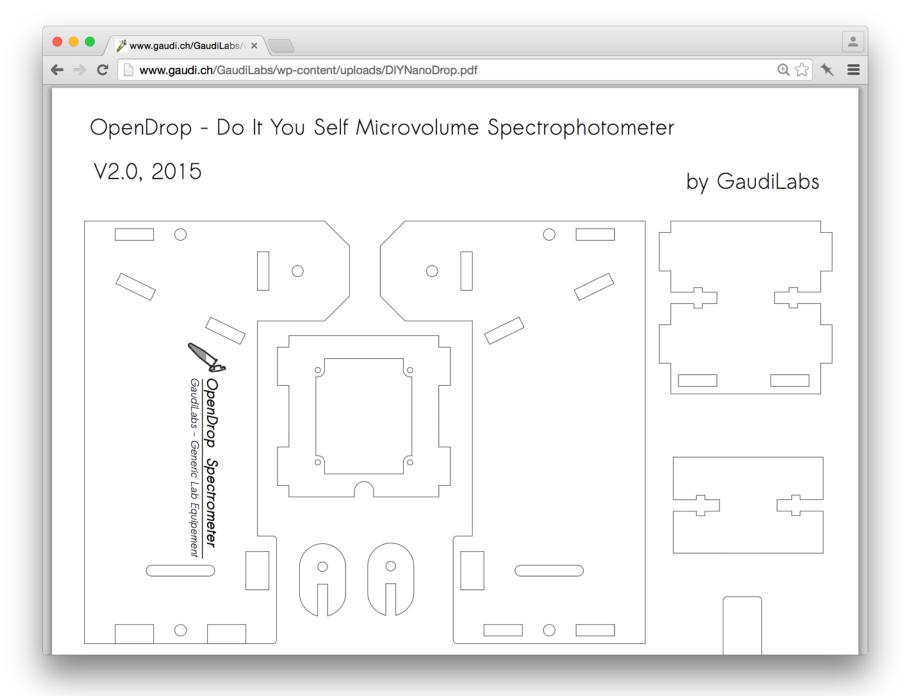
0 Remixes





Laser-cut DIY Bio Lab Equipment







arduino.cc/en/Main/ arduinoBoardUno



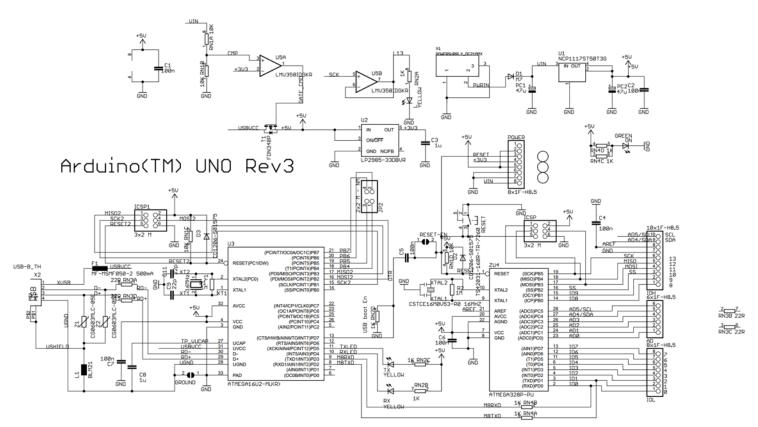
arduino.cc/en/Main/ ArduinoBoardLilyPad











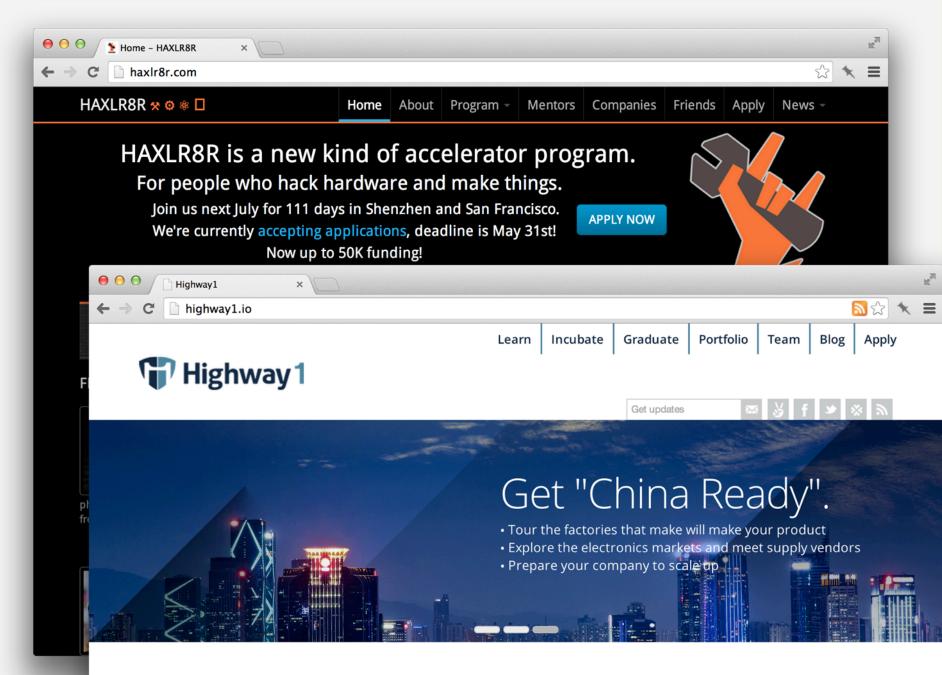
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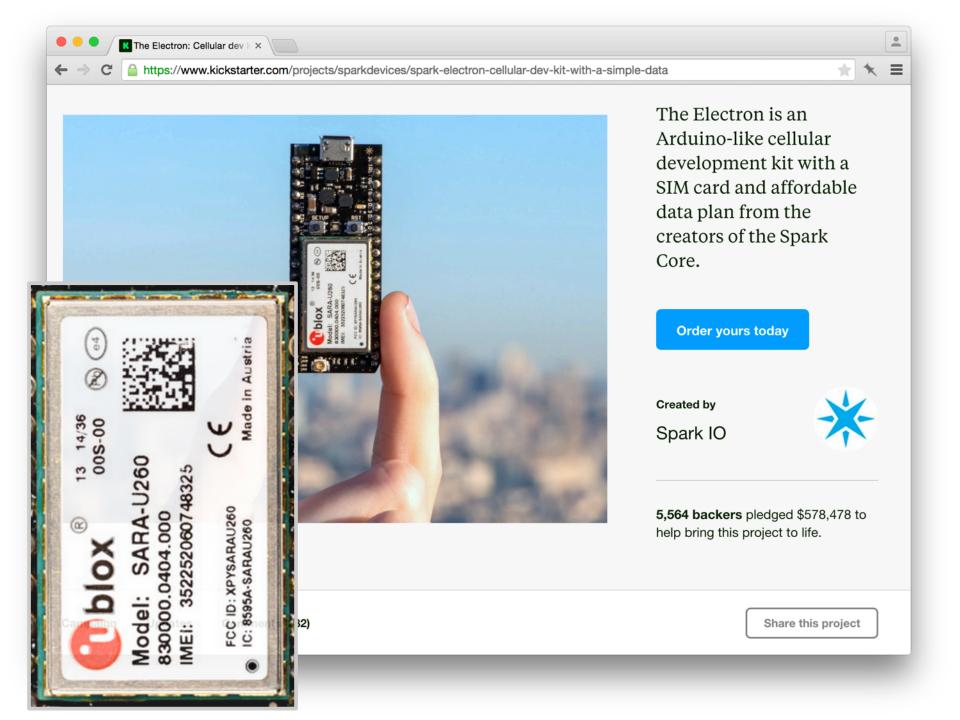


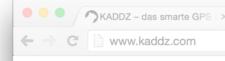
cers pledged

) to help bring

t to life.

6,081 backers pledged \$1,558,280 to help bring this project to life.





Made with China



KADDZ

Kaufen

Aktuell

Fotos

FAQ

DI

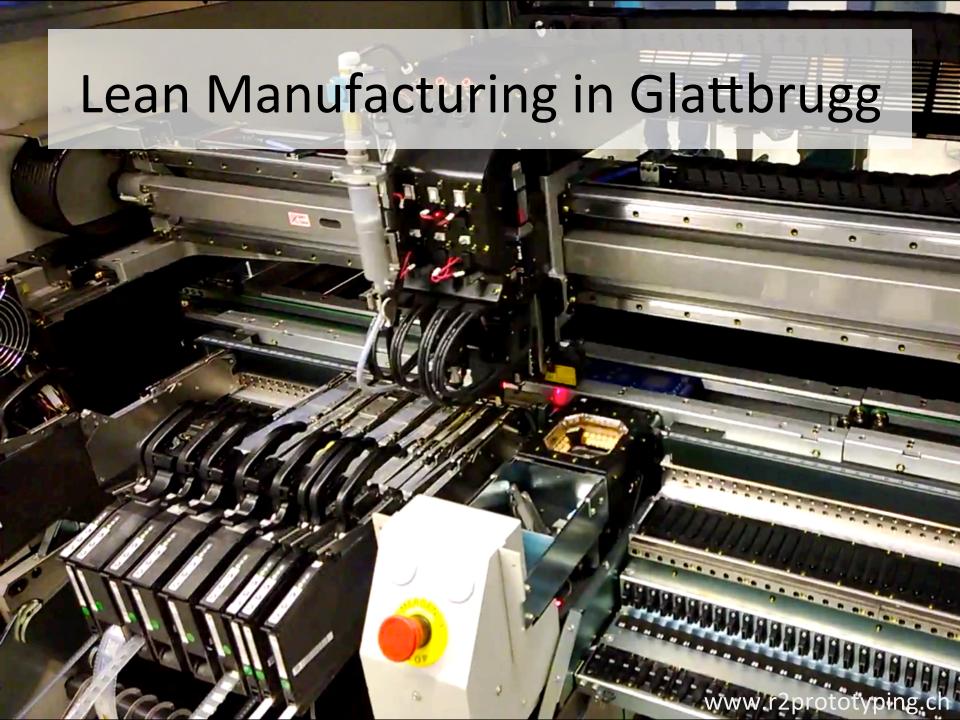


KADDZ – das smarte GPS Halsband für Katzen

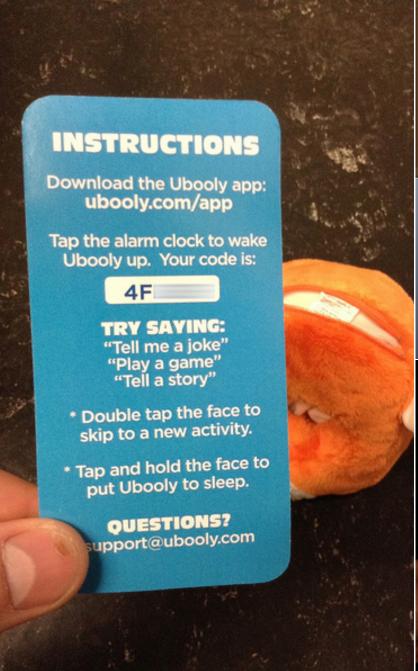
Katzen sind neugierig und lieben ihre Freiheit. Mit dem KADDZ Halsband kann Ihre Katze gut geschützt auf Entdeckertour gehen.

MEHR ERFAHREN

JETZT BESTELLEN







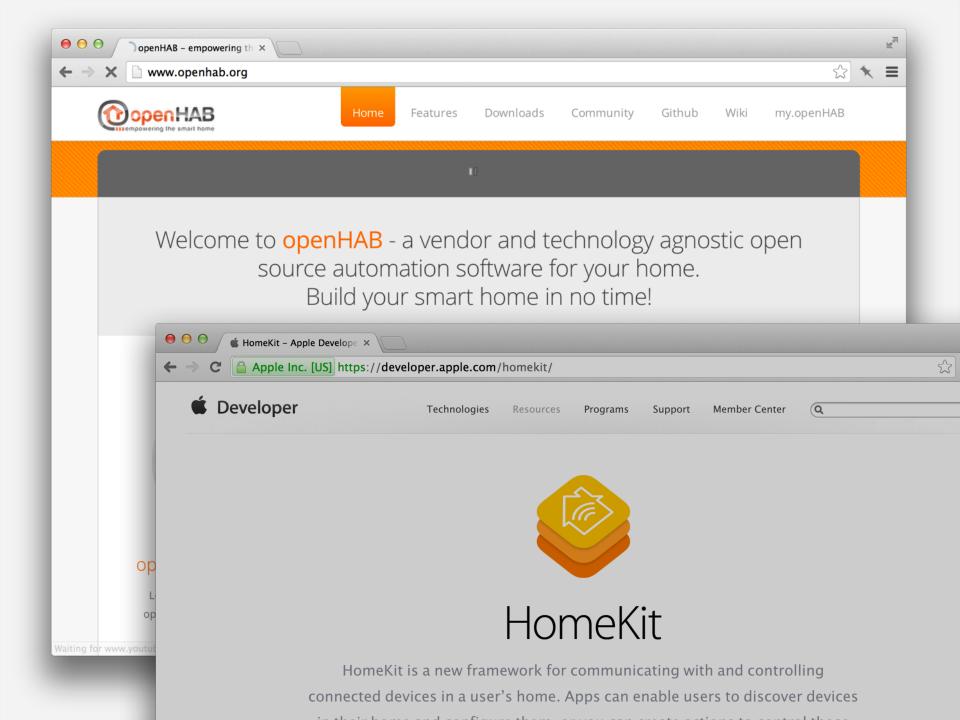


Register Your Ubooly Toy

0000







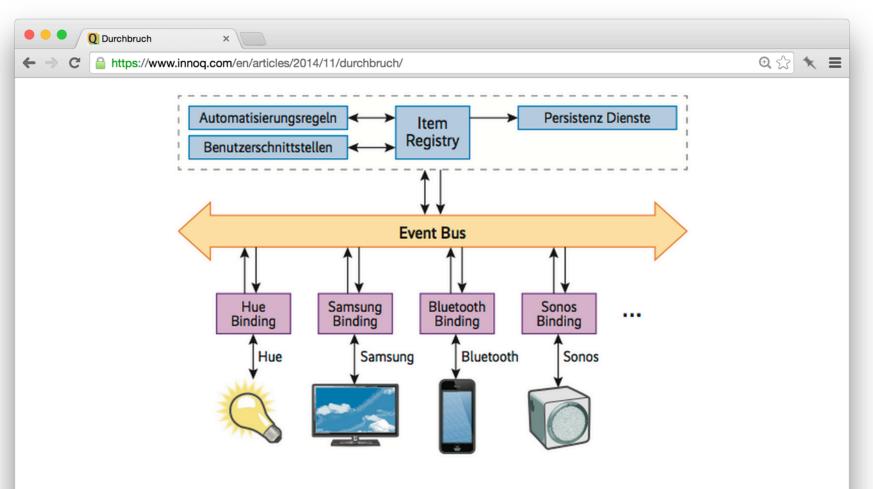


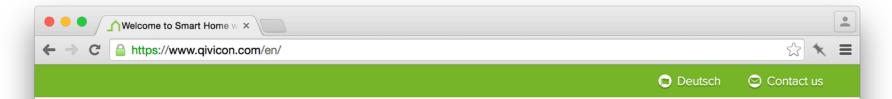
Abb.2: openHAB ermöglicht die Integration verschiedenster Technologien über Bindings

Derzeit unterstützt openHAB bereits mehr als 50 verschiedene Technologien, die neben stark verbreiteten Technologien wie KNX, Z-Wave, EnOcean, Insteon, HomeMatic, digitalSTROM, HTTP, MQTT, Philips Hue, SONOS auch



Our Vision

Smart Home adoption will only gain momentum if the different devices can be connected into over-arching use cases, but currently the market for Smart Home systems and IoT gadgets is heavily fragmented. While there are a couple of companies big enough to establish their own proprietary ecosystems, we believe that Open Source is the only viable option to provide truly open platforms without vendor lock-ins.





Benefits Use cases B to B

One platform, many brands, even more possibilities.

Control, combine and automate multiple devices and functions from different brands via a single Smart Home platform. With apps – easily, securely and reliably.

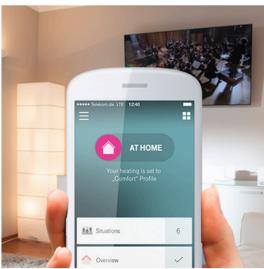
Tell me more >







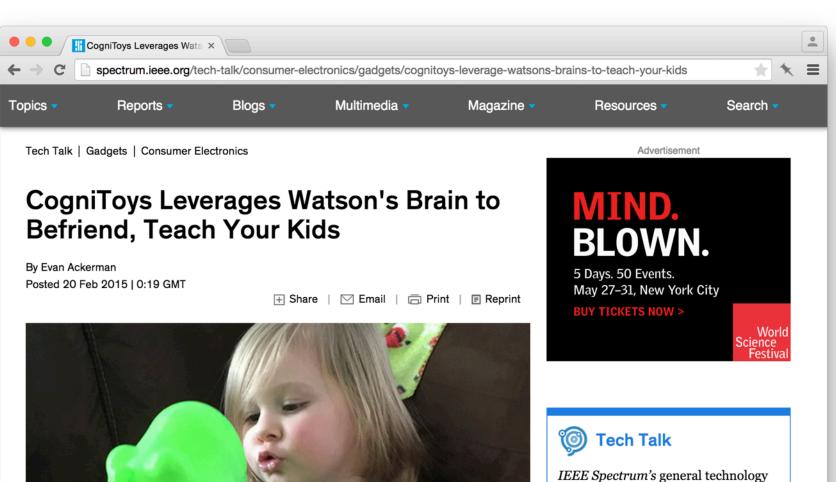














IEEE Spectrum's general technology blog, featuring news, analysis, and opinions about engineering, consumer electronics, and technology and society, from the editorial staff and freelance contributors.

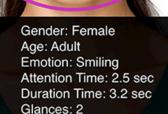
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CARA® Emotion Measurement

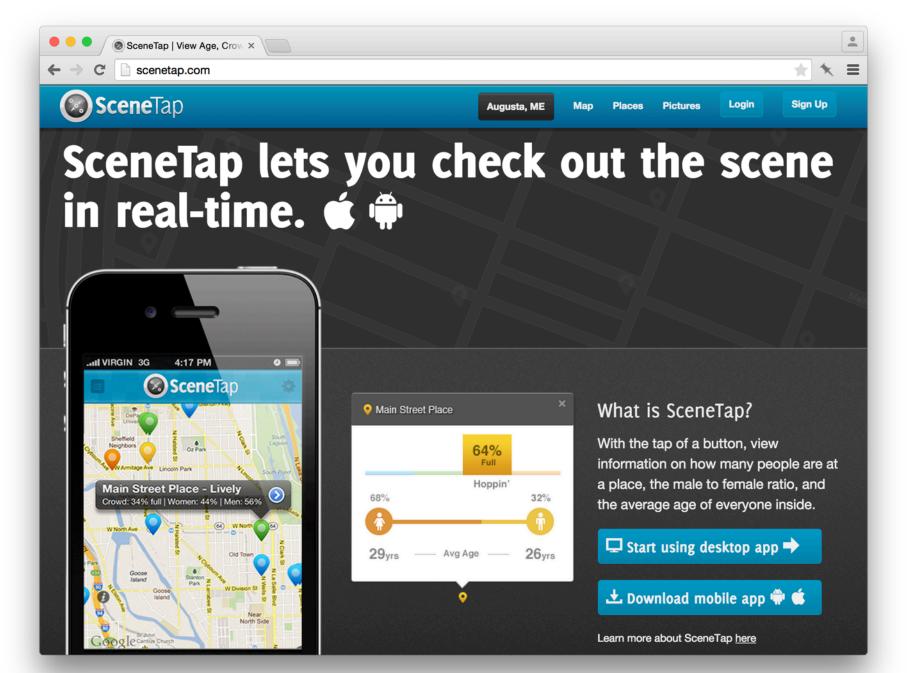
Measure human emotions using any webcam. Easily analyze facial expressions to advertising, brands and media content.



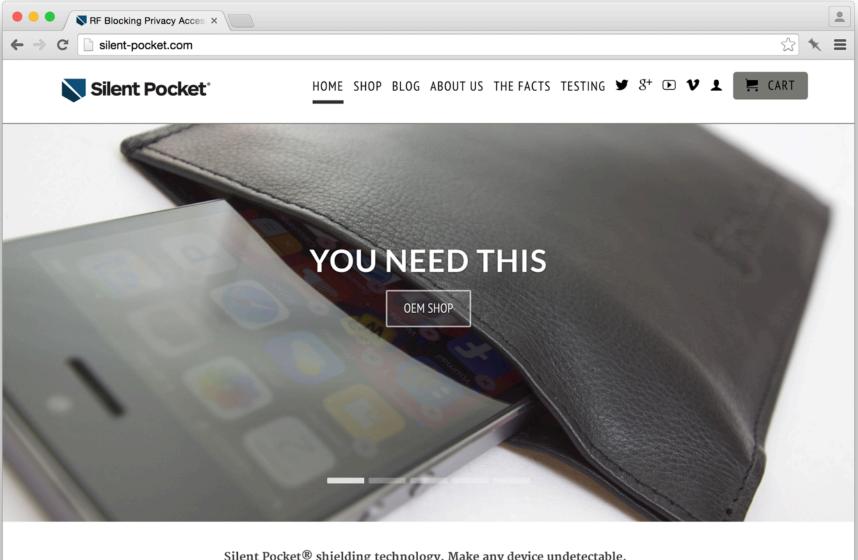
Distance: 62 cm

Try Demo

Learn More





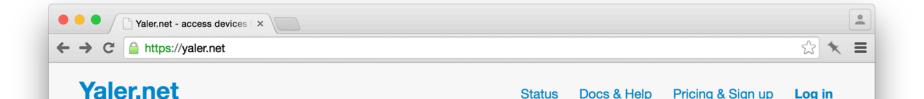


Silent Pocket® shielding technology. Make any device undetectable.

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Access devices from the Web

Yaler provides a relay infrastructure for secure, controlled and manageable access to embedded systems.

Get Started with Yaler

Makers, small business and enterprise customers rely on Yaler

Our customers use Yaler in building and home automation, environmental monitoring, tele-medicine and many other fields.

SIEMENS PHONAK Vaecenelas





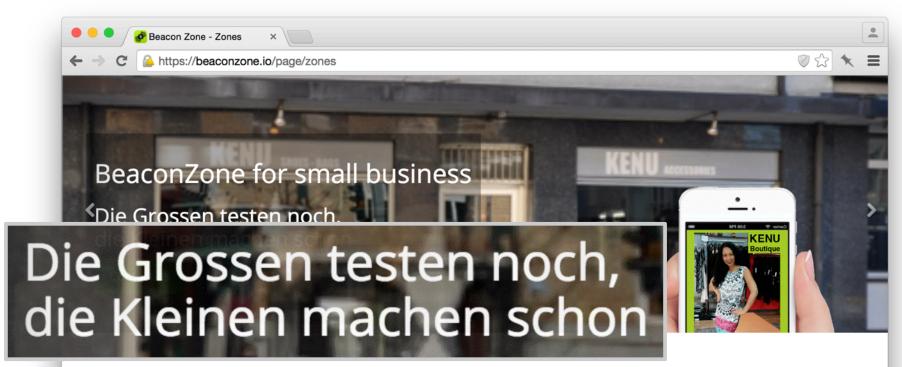
Why Yaler? (relay spelled backwards)

Connectivity as a service

Get secure Web and SSH access to your embedded systems, no matter if they're located behind a firewall, a NAT or a mobile network router. Pay-per-use, with premium enterprise support.

How it works





Das Pilotprojekt

Fakten | Zahlen | Ziele





#WiedikonValley

Digito ergo sum



entdecken: **#Start-up #KMU #Smart**

Menschen in der Schweiz auf ihre Smartphones als eiter. **Projektthese:** wenn

wird es in der "Realität" oft erst

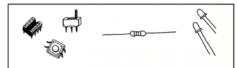


BeaconZone

20 Pioniere gestalten den Wandel

iBeacons sind die Vorboten des Internets der Dinge oder eine Brücke vom physischen in den digitalen Raum. 20 Geschäfte in Wiedikon verbinden sich mit Bluetooth-Sendern und einer





SOLDERING IS EASY

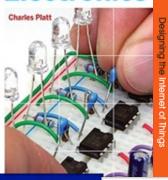
HERE'S HOW TO DO IT

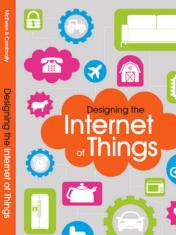






Make: **Electronics**



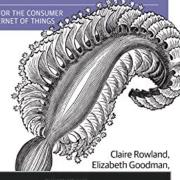


A paraphlet by Adom Greenfield.

This is Part I of The city is here for you to use. Against the smart city

O'REILLY





JAMES C. SCOTT



How Certain Schemes to Improve the Human Condition Have Failed



MIKE KUNIAVSKY

M<



THE EPIC





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