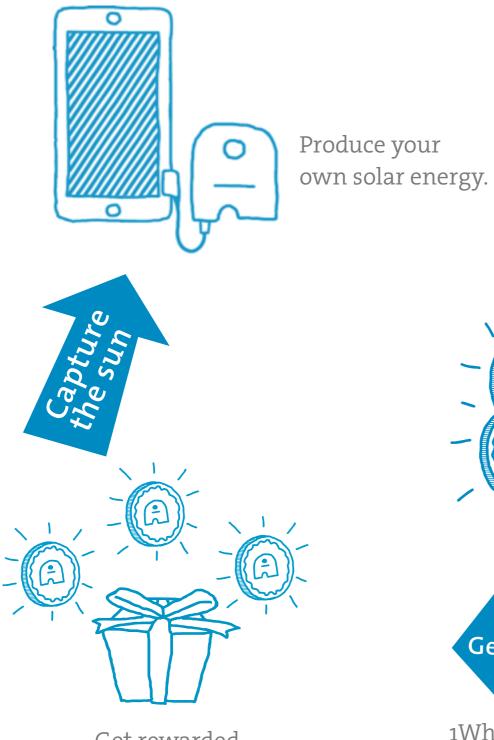


GOTO Berlin November 2014



The core functionality - gamification & rewarding people for doing good stuff





Get rewarded

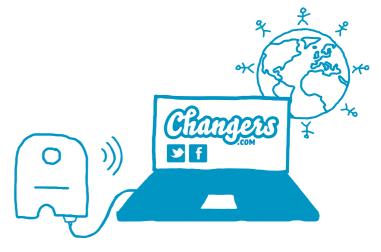


Charge



1Wh = 0,5g CO2 saved = 1 Recoin





Compete with your friends, see your achievements and share them with the world.

Now lets take this one step further





Home Automation

Switch on your devices whenever green energy is available. Get rewarded for reliving the strain on the electricity supply system at peak hours. Store the green energy and be an active part of the smart grid.

E-Mobility

Charge your E-Car with renewable energy. Drive environmentally friendly and conserve resources.

Take other people along on your drives

and get rewarded for your behavior.

Health Care

Get active and start a healthy lifestyle. For your activities which are helping to reduce health care costs you are getting rewarded with Changers Credits

Improve yourself

You learn a new language, make a firstaid course, get started and learn coding or participate on further training courses. Be sure we will support you with Credits.

Sharing is caring

Take part in Car-Sharing, use public transportation or travel by train and start to explore more and more ways to unburden the environment as well as your financial resources. On top we are going to reward you with valuable Credits.

get yourself an organ donor card or

support you by giving you Credits in

simply give tuitions to your

neighbours kid we are going to

exchange for your time spent.

Recoins are based on CO2 savings through solar energy production.



One watt-hour of solar energy is equivalent to a half gram of CO2 savings.

We validate, measure and book each watt hour generated by the user with the Changers solar charger as a Recoin in his wallet.

24,32

The solar charger distinguishes between solar power and grid power and measures the amount of renewable energy in Wh. The charger stores the power in its Li-ion batteries and transmits the data to the app.

In 4 hours the battery is fully charged and is enough for 2x a smartphones load and up to 42% of a tablet load.

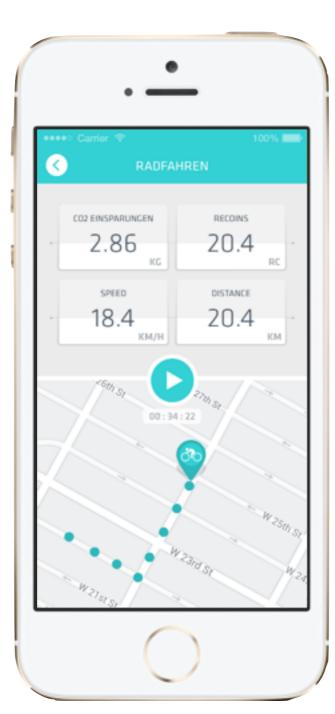
We have an U.S. Patent granted on the manufacturing process of Recoins. The local phase in the EU is already initiated.

The Changers App - reward sustainable mobility





The user starts a journey by choosing a type of mobility.



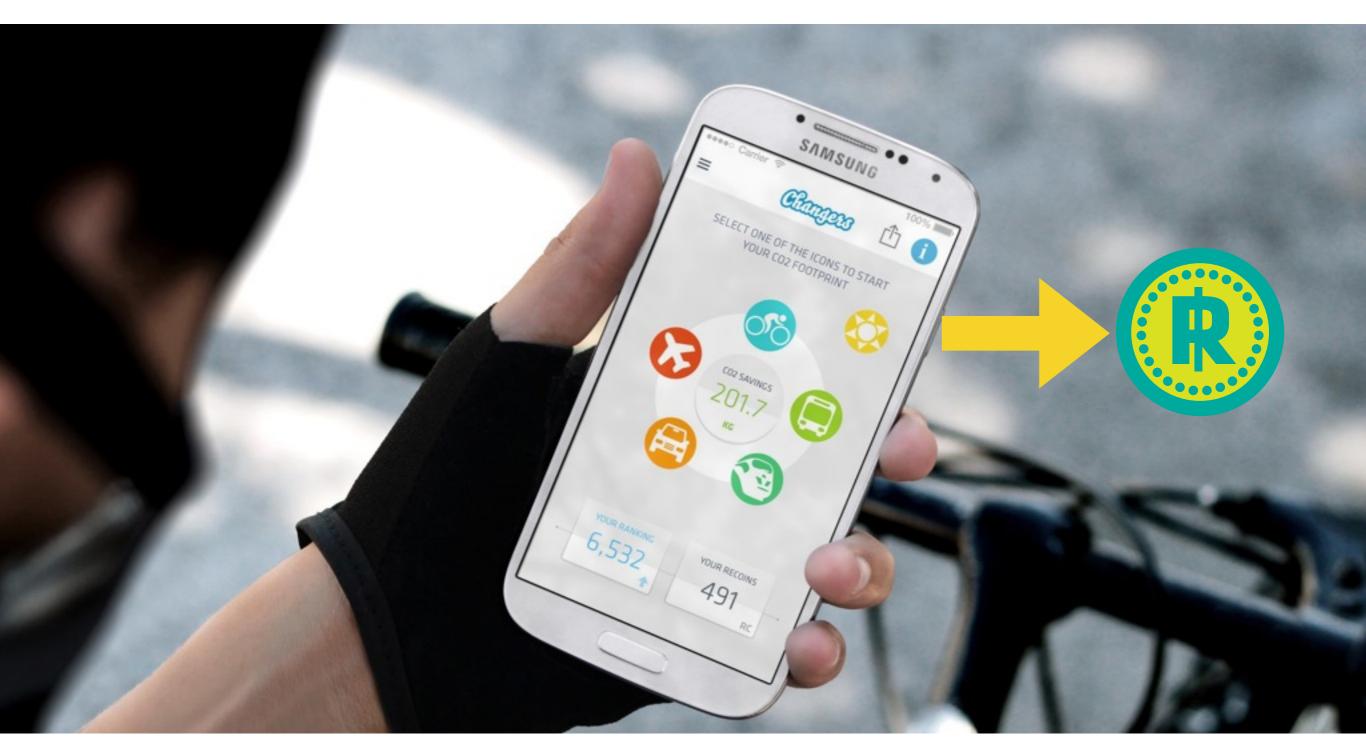
The app measures the distance and calculates the user's CO2 balance.



At the end of the journey the user gets their CO2 balance and is rewarded with Recoins.

Get into motion and earn Recoins...





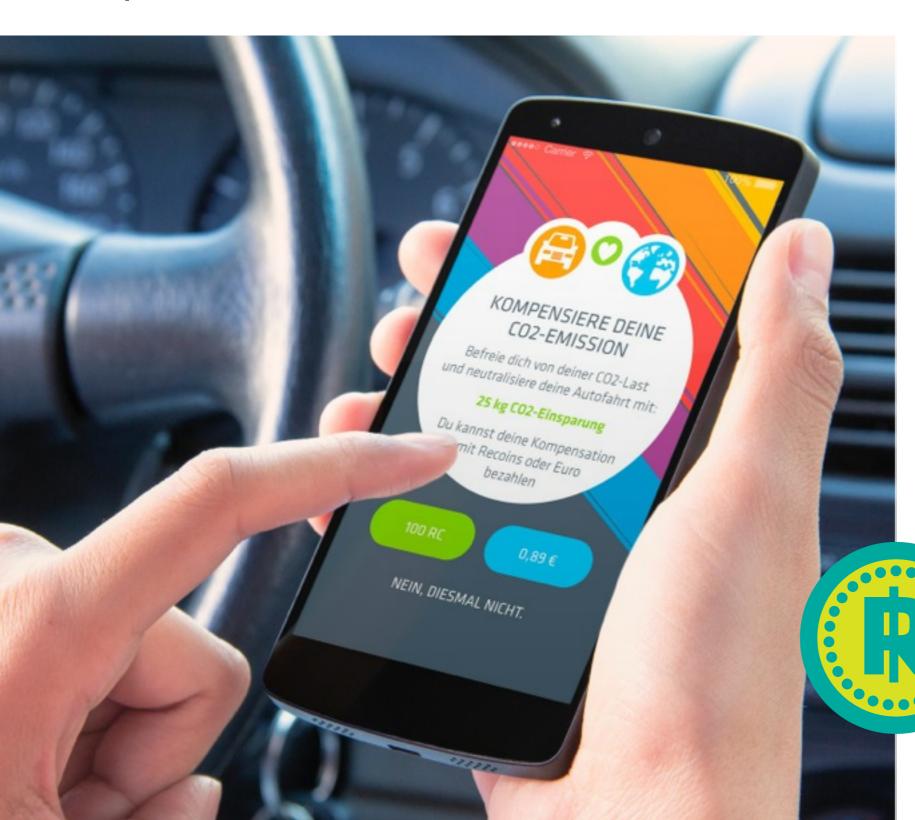






With Recoins or Euros, now anyone can make their daily life CO2 free.





Travel by car or plane?

All trips that have a CO2 emission can easily be made CO2 free with one click in the app. Users can free their trips of CO2 using Recoins.

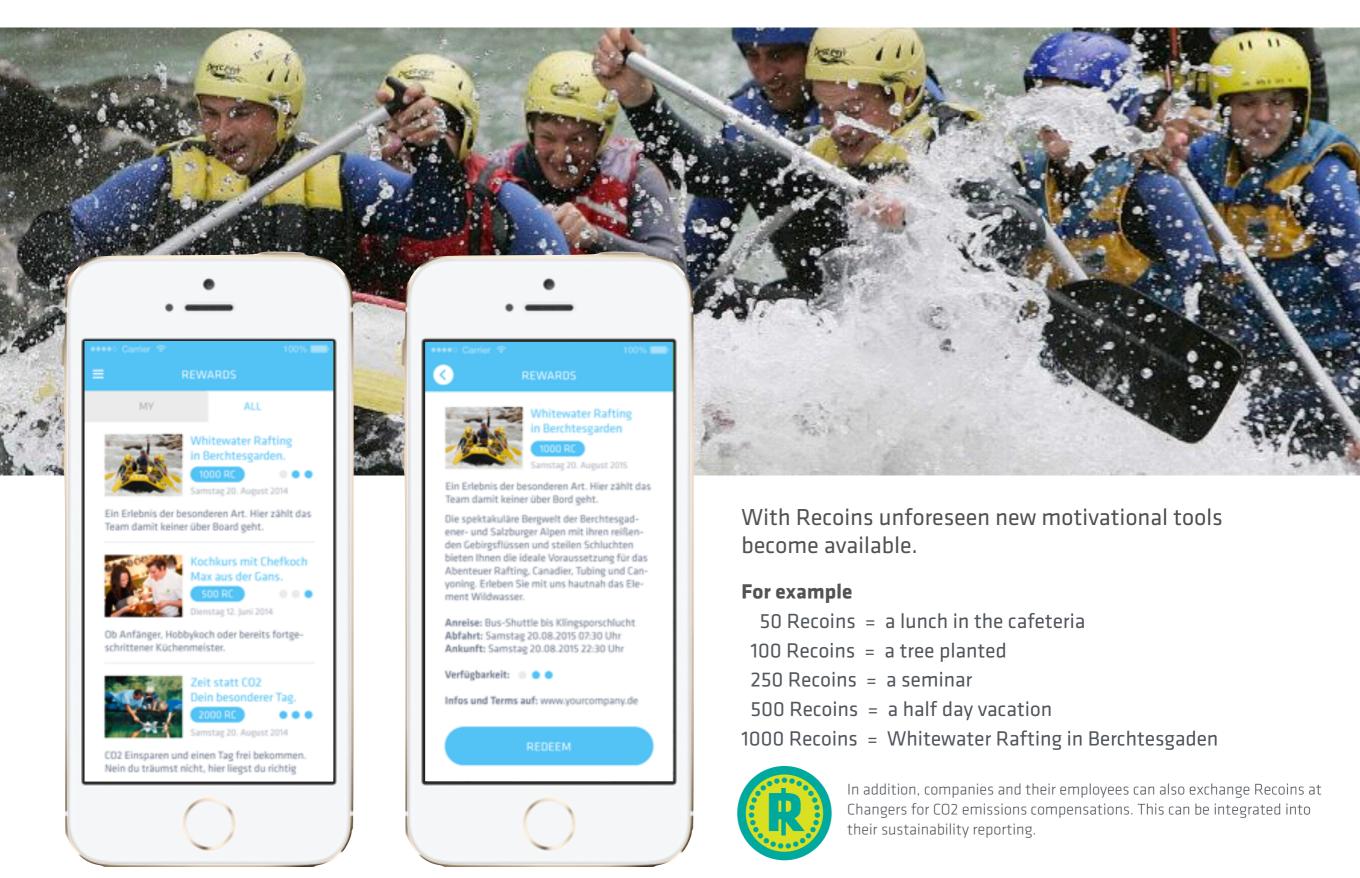
Changers purchases official CO2 certificates that can be offset with Recoins.

For example, with only 4 Recoins you can compensate 1 kg CO2!



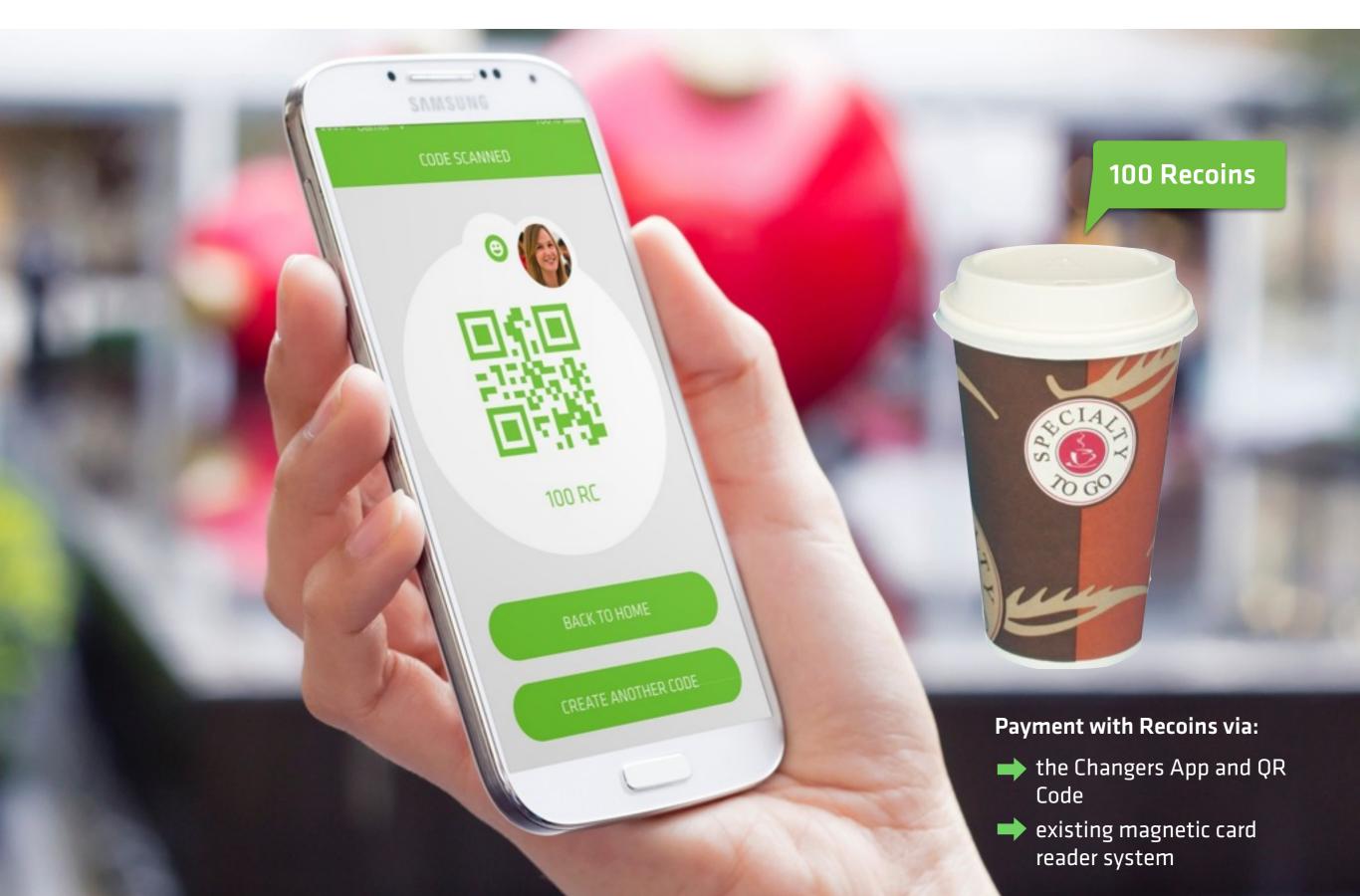
How we integrate companies, motivate employees and save money on health care costs.





How our green customer loyalty system also integrates the over-the-counter retail trade.





Other Add ons and Gamification possibilities





"Ralph" stands for a Tamagotchi concept to motivate the people to sustainable behavior in dealing with electricity, heat, mobility and consumption, that could not be reached previously with classical communication on climate change. Ralph's habitat is the smartphone or the smartwatch. The offline as well as online

behavior of the user has a direct impact on him and his habitat. He's fine when the user is traveling often by bike, he watches for CO2 avoidance and when the user decides to purchase a product, Ralph prefers green items.

Make him happy and pimp his habitat.

Everyone can every day do something good for Ralph.





Push notification

Ralph says hi. Why don't you give him back a little love and take the bike instead of the car?

Buy a "tree gift-card" and plant a real tree. Your Ralph will get a tree in the mobile phone.

Buy CO2-neutral products. Scan the QR code and get cool things for Ralph.

Compensate your CO2-Emissions through your mobility.





Create a beehive, make honey and Ralph can start a family.



There are many opportunities to make Ralph happy and strong, both online and offline.

Recoins take effect three times and save businesses and communities money.



100.000 Recoins equals:

Production – 50 kg CO2

Bike ride – 14,2 t CO2

Compensations – 100,0 t CO2

Savings in total = -114,25 t CO2

Environmental stresses cause high costs to society, such as environmental health and material damage, crop losses and the costs of climate change. An ambitious environmental policy reduces these costs.

UBA-Recommendation for climate costs

Climate costs in Euro per ton carbon dioxide	Short term 2010	Mid term 2030	Long term 2050
Low value	40	70	130
Middle value	80	145	260
High value	120	215	390

Source: Federal Environment Office, Best Practice Cost Rates for Air Pollutants, Mobility, Power and Heat Generation, Dessau-Rosslau 2013



Thanks for your attention















Bildrechte: Andreas Chudorowski





2012



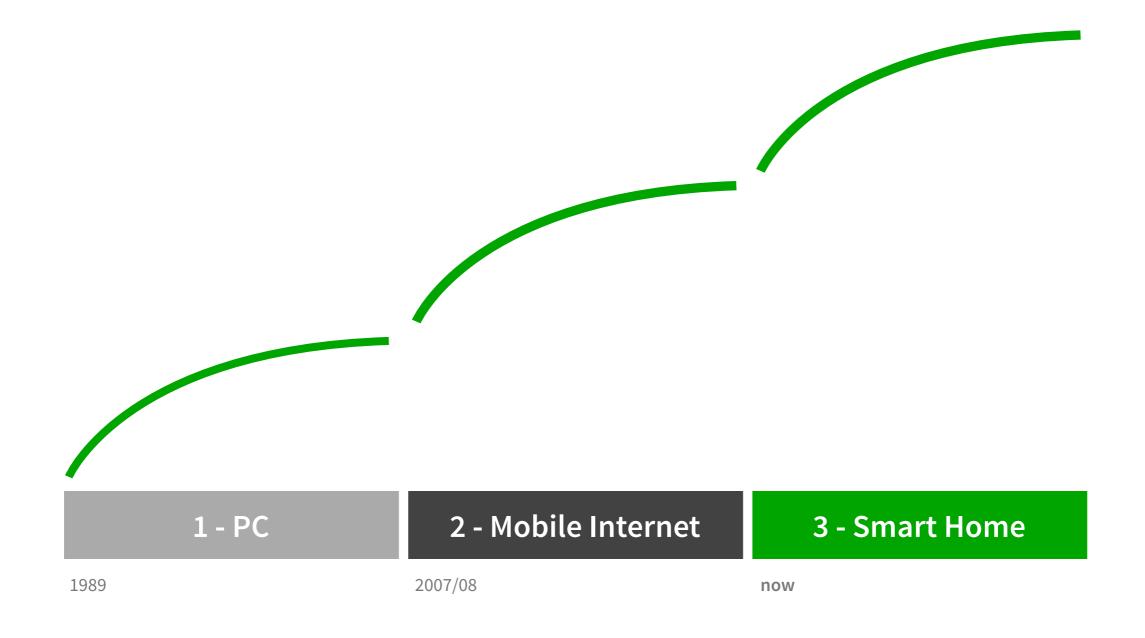






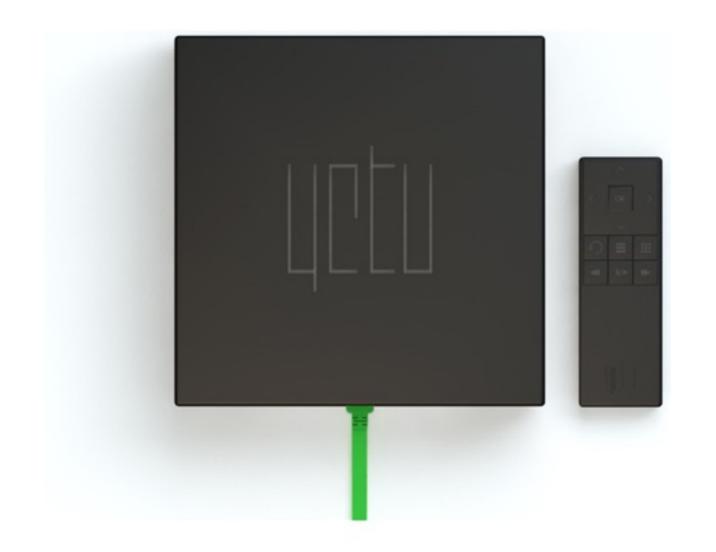
Discover a new world at home.

Consumer Internet.





Using technology at home is not always that simple.

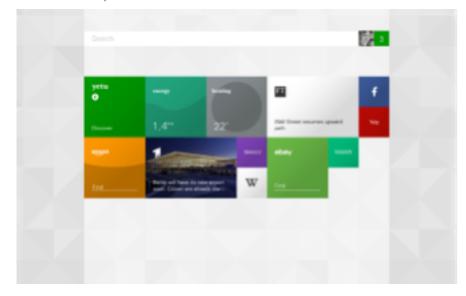


One gateway. Everything connected.

On Any

Screen and Operating System.

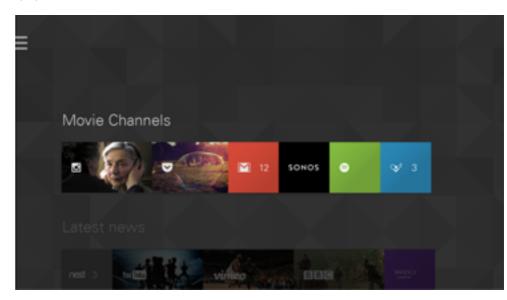
Desktop



Smartphone



TV





Data Privacy.

We put a lock on data and hand the key to users only.

100% Open Source.























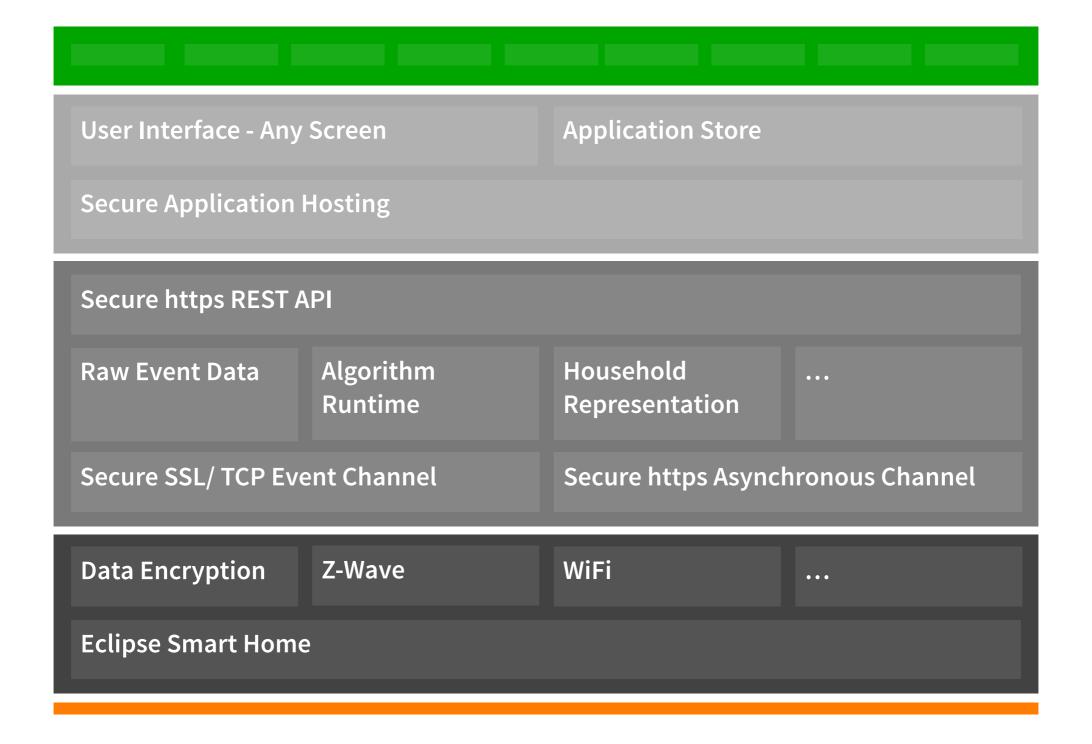




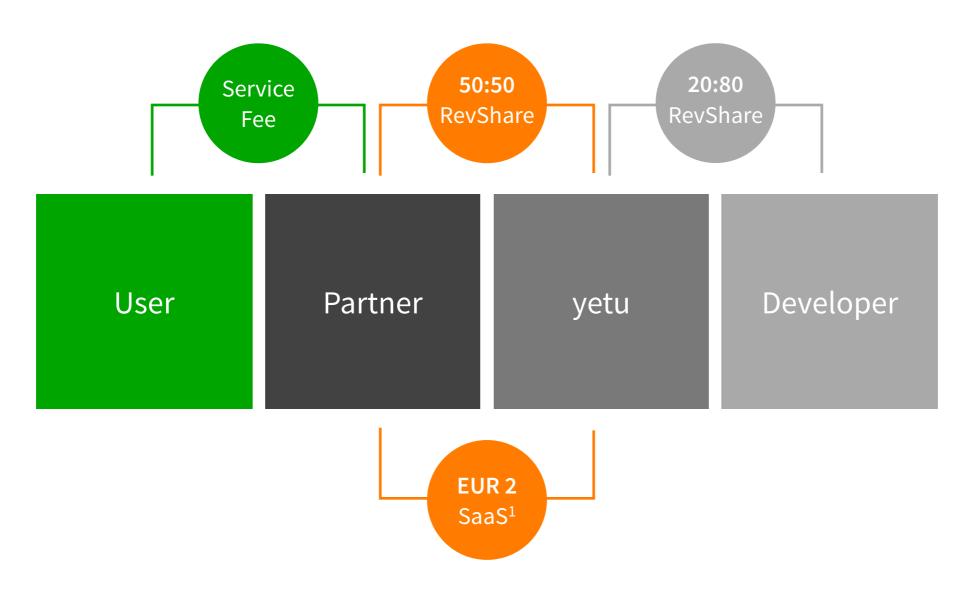




Architecture.



Business Model.



¹monthly software-as-a-Service fee per home connected. We ask our partners to enter into co-development for relevant use cases.



Discover a new world at home.



Ecosystem for the IoT

@HoptonPaul

@relayr_cloud

http://relayr.io

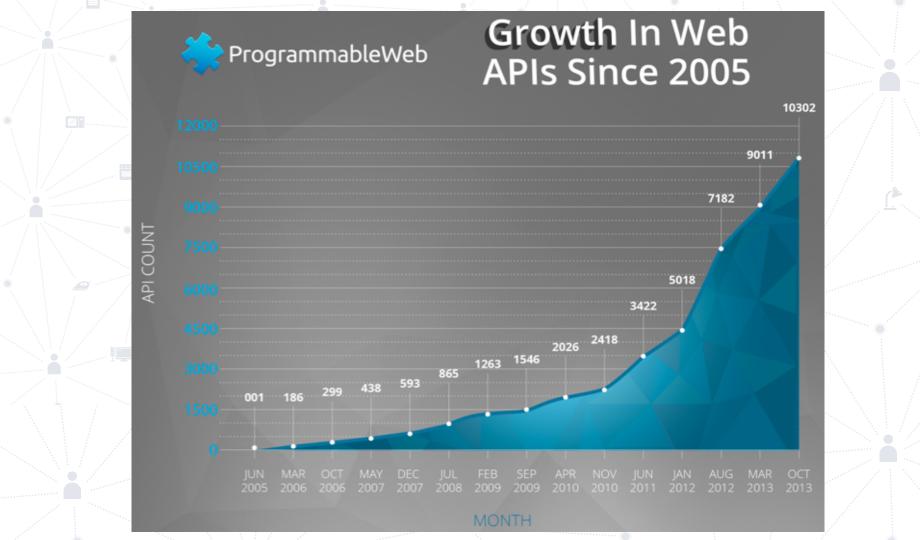


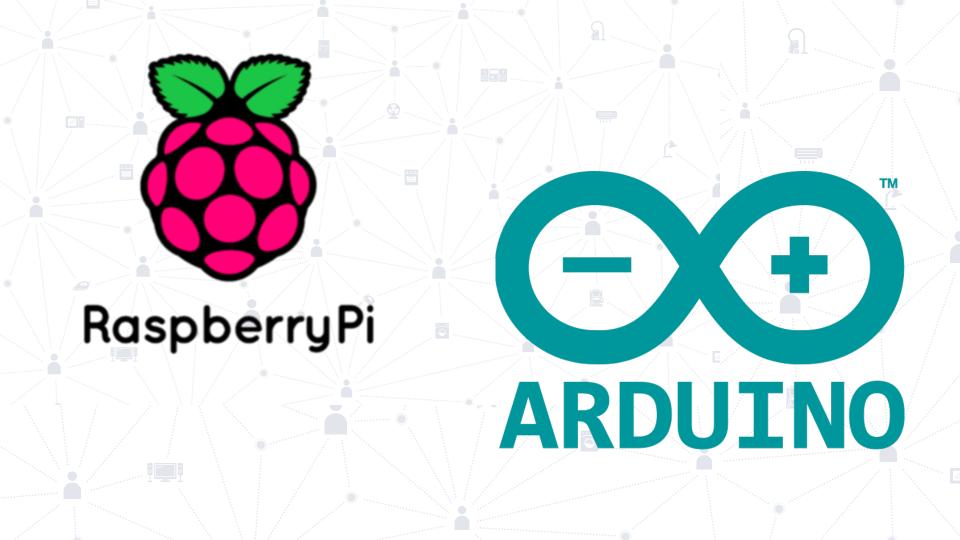
Technological Revolutions

The real revolution is not in the creation of the technology, but the democratization of the technology. When you give it to a huge expanded group of people who come up with new applications, and you harness the ideas and the creativity and the energy of everybody. That's what makes a revolution.

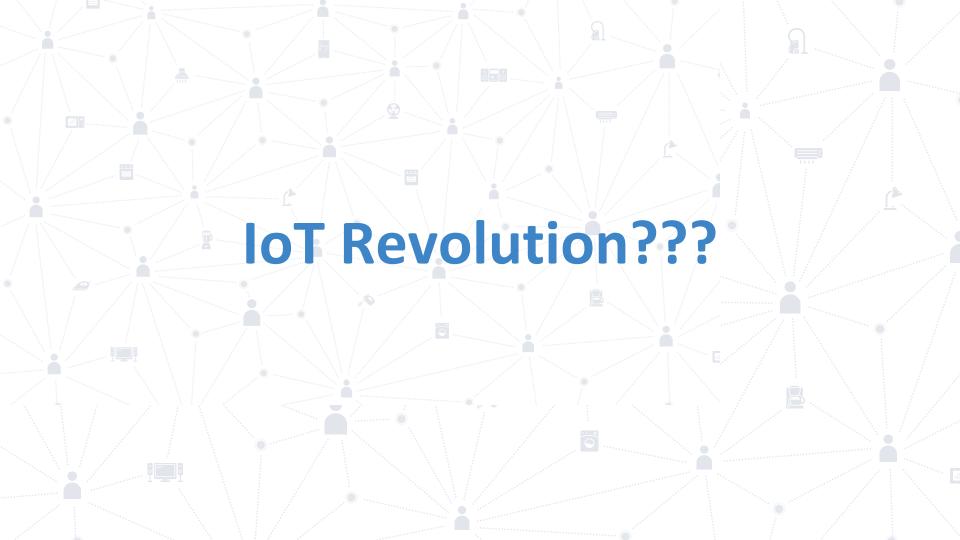
- Chris Anderson, "Makers: The new Industrial Revolution", Oct 2012















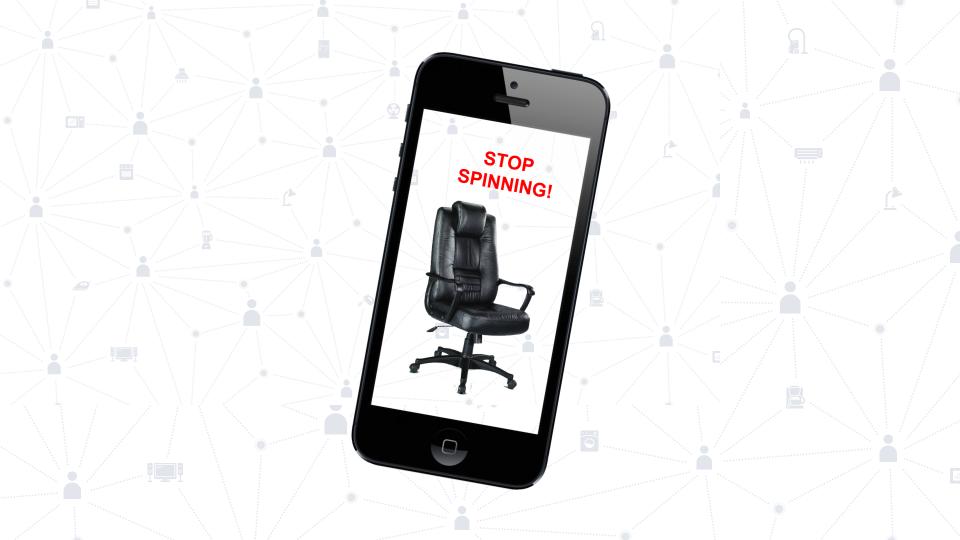




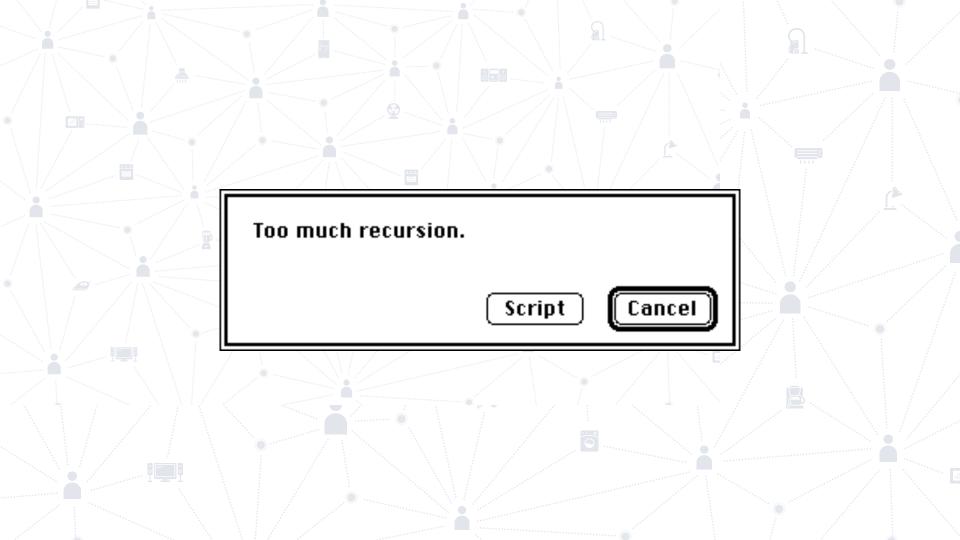
```
try {
create_product()
   design_data_model()
   integrate_radio_technology()
   certify([CE, FCC])
   build_cloud_platform()
   generate_app()
catch (TooDamnHardException tdh) { //WTF }
catch (NoMoreMoneyException nmm) { //WTF }
```





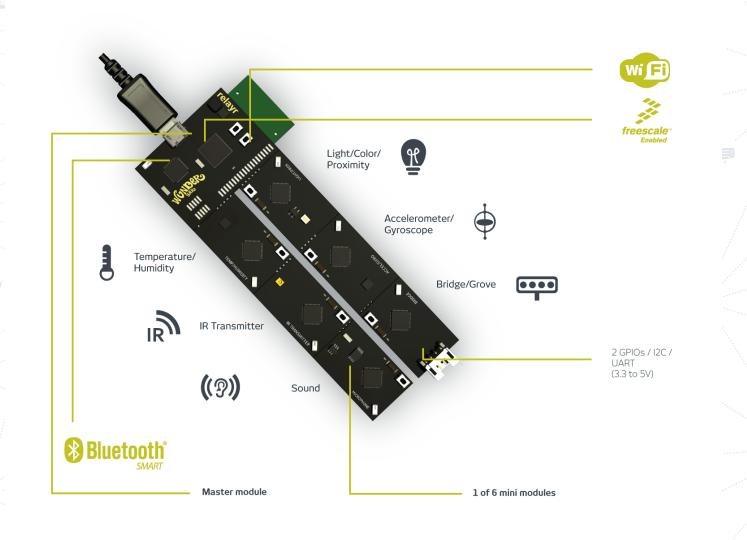


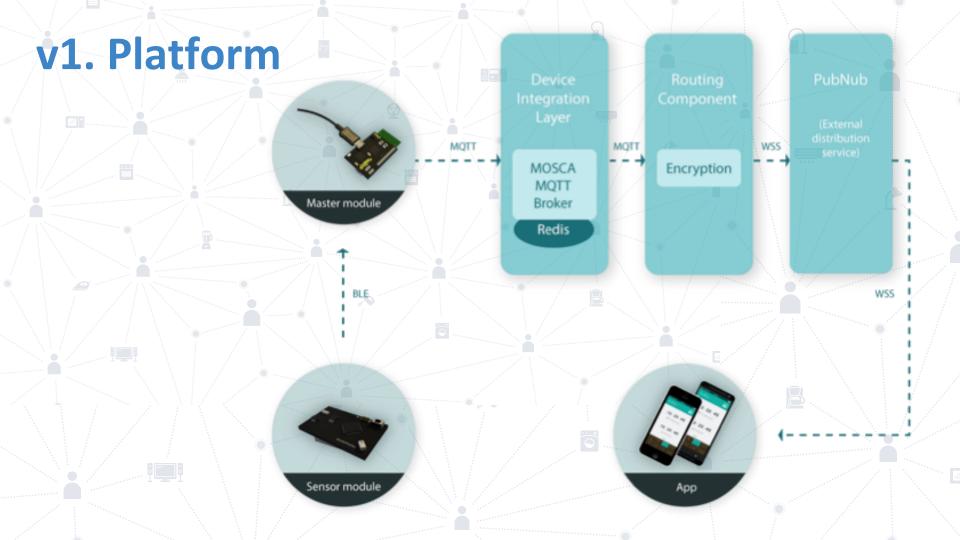
```
generate_idea()
do {
  var apis = find_products_with_API()
  learn_APIs()
  integrate_with(apis)
} while (patience < maxticks)</pre>
```

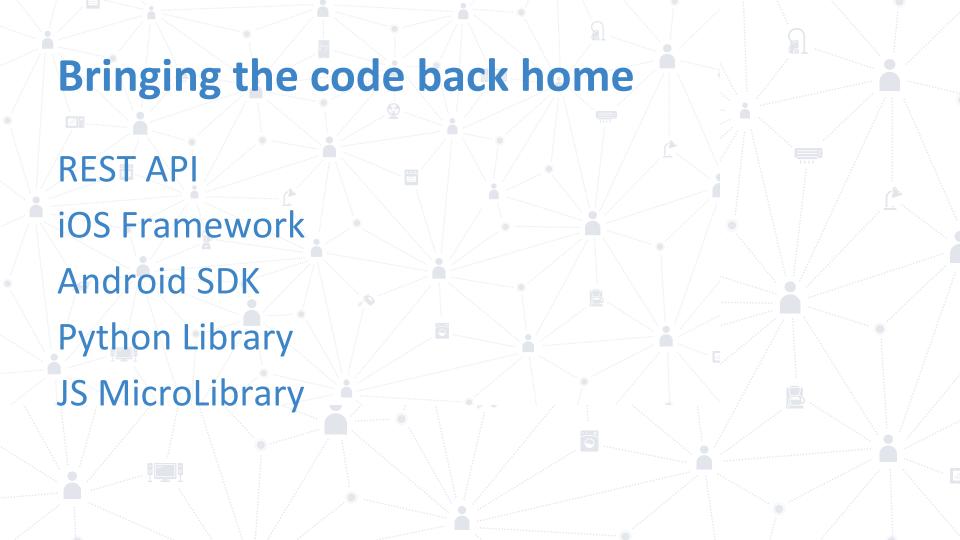


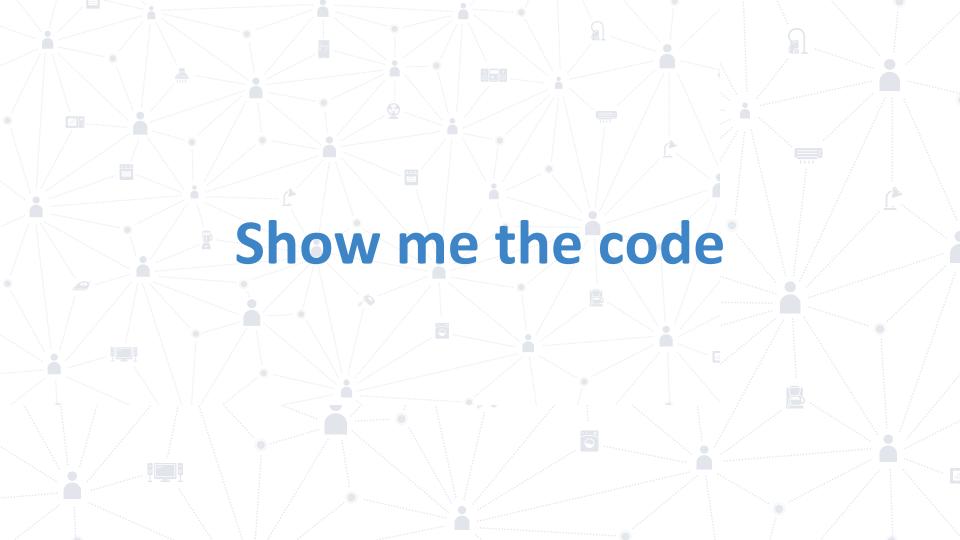




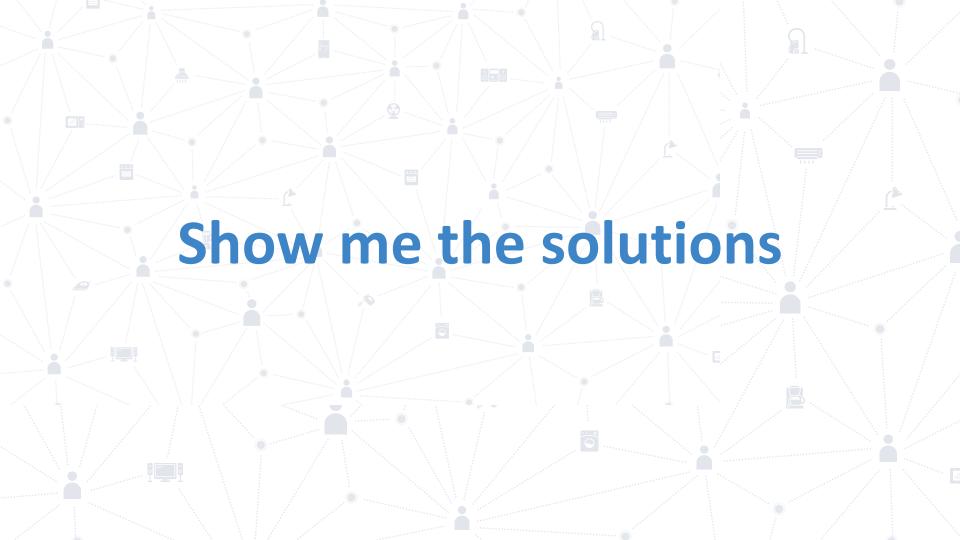


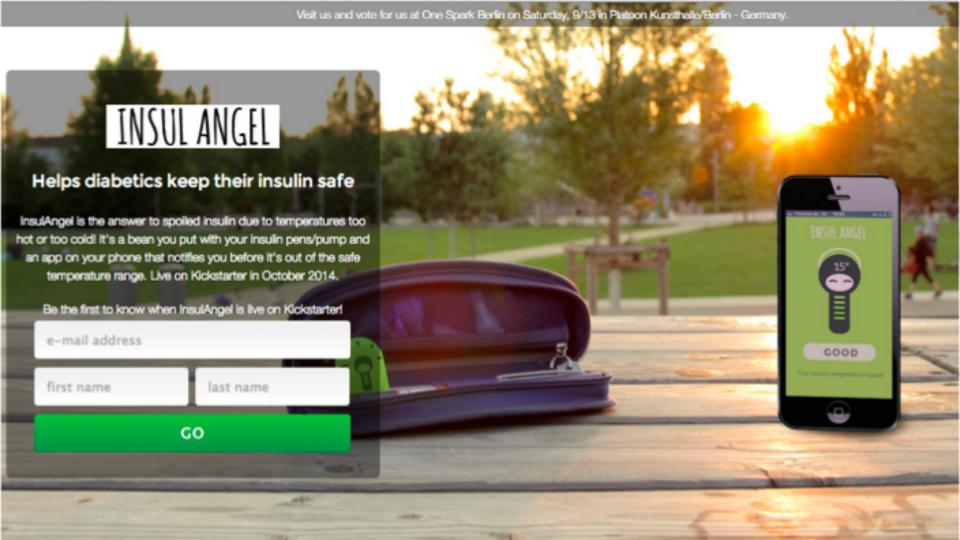


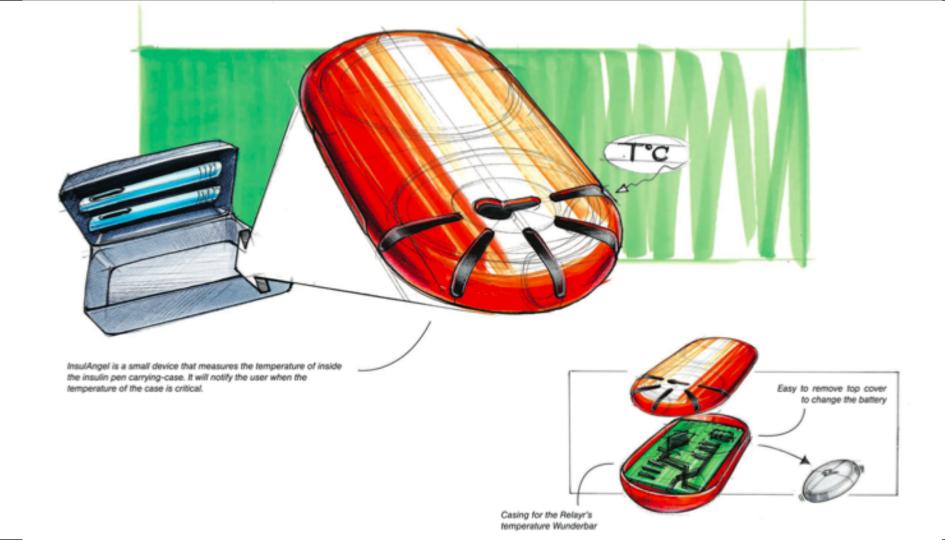


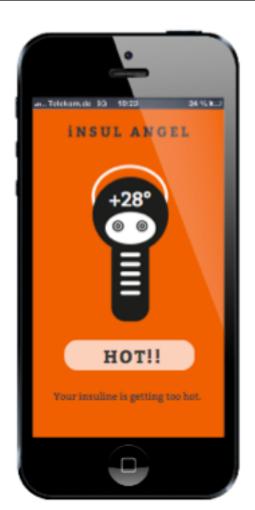


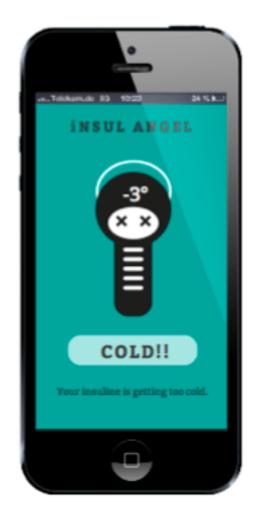
```
$( document ).ready(function () {
       var relayr = RELAYR.init({
         appId: "f0f6dd82-6de6-4440-861e-b4d959bc7b3d"
       });
 6
       relayr.devices().getDeviceData({
         //provide all the stuff we need
10
         token: "EDAKp046q53E8biA2Cx6Satwfv2Q4HNM",
11
         deviceId: "65c3b24b-51fe-4619-b94c-18eb1377c8ec",
12
13
         //callback for incoming data
14
         incomingData: function(data){
15
16
           //Do whatever you want with your sensor data here
17
           console.log(data);
18
           console.log(data.clr);
19
           console.log("wooooha!");
20
21
22
       });
23
24 11.
```















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4 Depth of 2014 Baby Gico





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