

BUILDING A GLOBAL INTERNET OF THINGS NETWORK TOGETHER

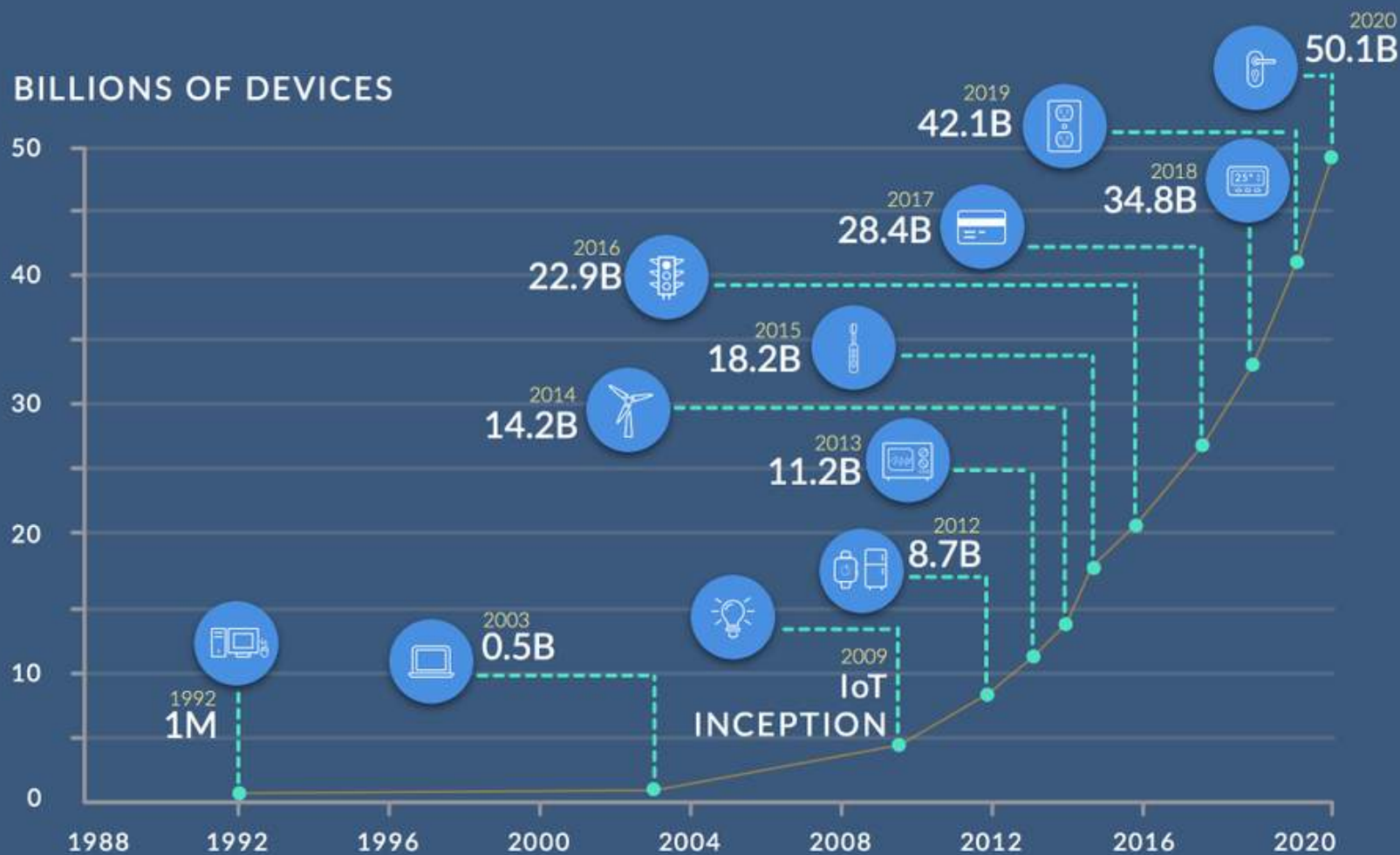
Laurens Slats

THE INTERNET OF THINGS



GROWTH IN THE INTERNET OF THINGS

THE NUMBER OF CONNECTED DEVICES WILL EXCEED **50 BILLION** BY 2020



KEVIN ASHTON

1999



SMART FRIDGE 2000

Screenfridge, as it is called, allows you to send and receive e-mail, watch television, pay bills and handle personal banking. You can also keep food in it.

Wednesday, February 10, 1999 Published at 15:30 GMT

Sci/Tech

Making your kitchen cool



What can I have for supper?



The computer is moving off the desktop into every home appliance

This has got to be the coolest gadget yet for the kitchen: a fridge freezer that is hooked up to the Internet.

Screenfridge, as it is called, allows you to send and receive e-mail, watch television, pay bills and handle personal banking. You can also keep food in it.

Sci/Tech Contents

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The BBC is the content sites.

THE THINGS NETWORK

SMART FRIDGE

2000

Screenfridge, as it is called, allows you to send and receive e-mail, watch television, pay bills and handle personal banking. You can also keep food in it.

Fuck Yeah Internet Fridge

Why doesn't my fridge have the internet yet?
Curated by [@rooreynolds](#)

Archive

Submit your Internet Fridge

Search

Search

September 2nd, 2016 at 4:37PM



Thanks, [@hardillb](#)

2 notes

Source: [theverge.com](#)

August 25th, 2016 at 8:23PM



INTERNET OF THINGS WAS *BORN*

2007 / 2008

DEVICES > HUMANS



IPV6

2011

340 UNDECILLION

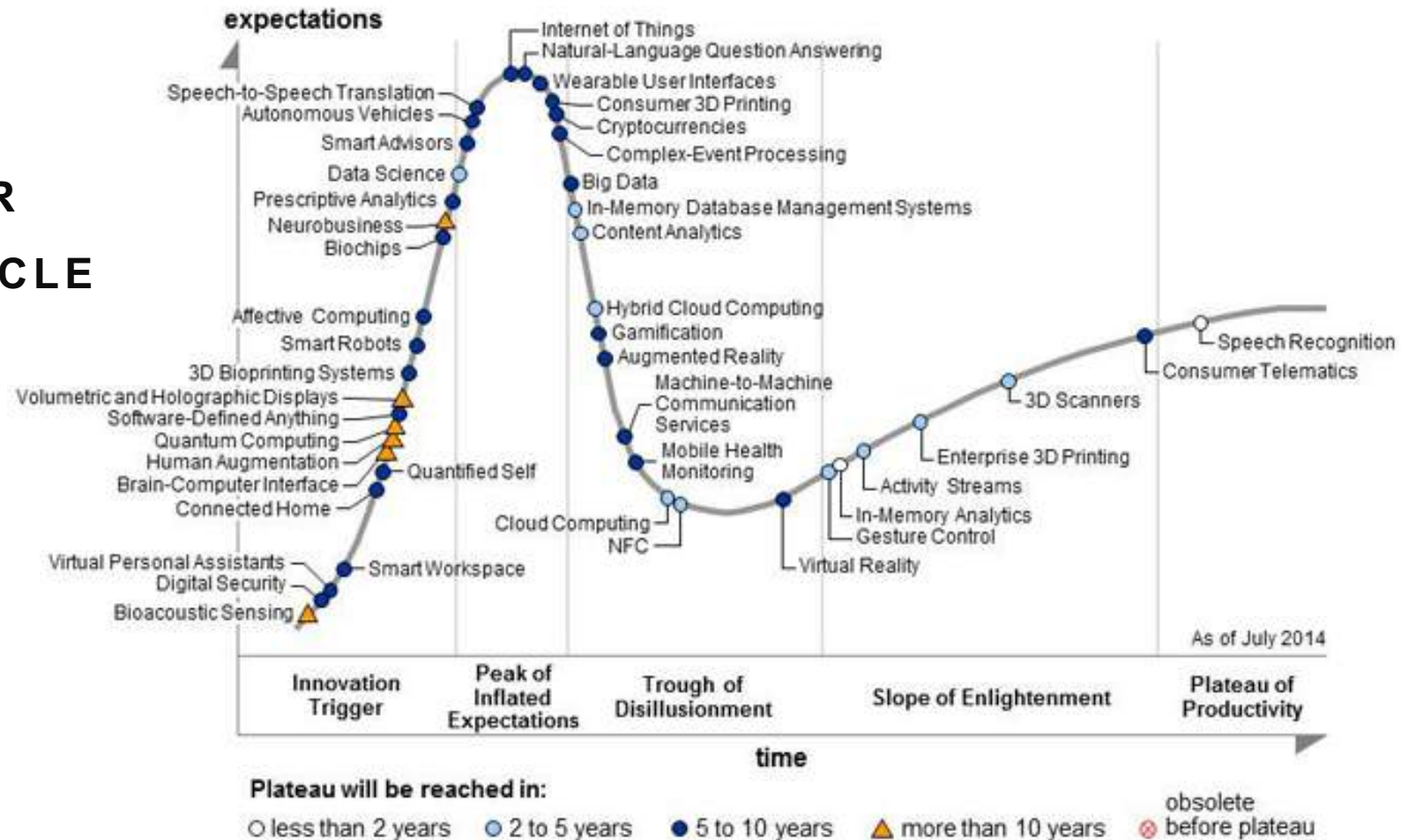
340,282,366,920,938,463,4

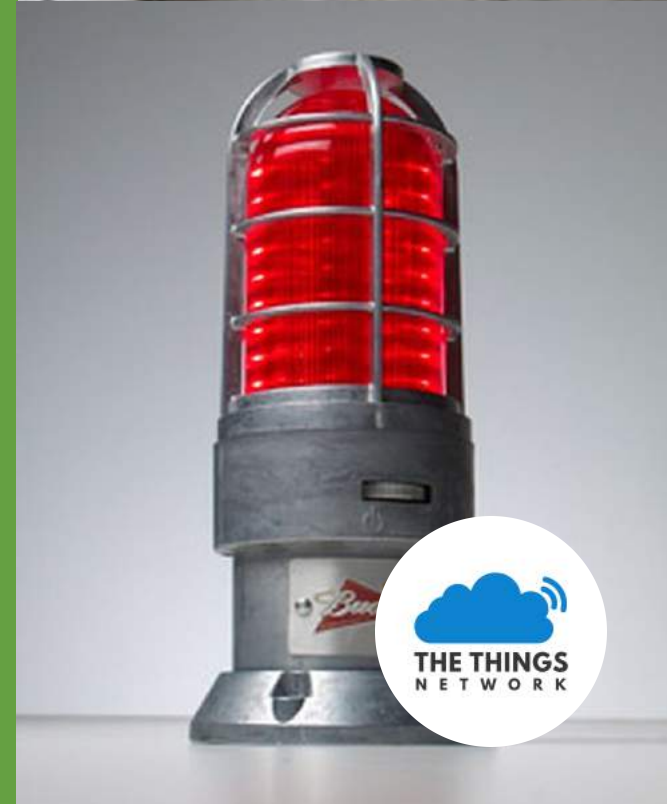
63,374,607,431,768,211,456

PEAK OF INFLATED EXPECTATIONS

2014

GARTNER HYPE CYCLE





WIRELESS COMMUNICATION



Suitable for Spotify, Netflix,
large file exchange

Suitable for battery powered,
connected sensors

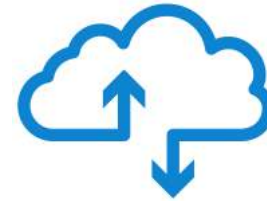
WIRELESS TECHNOLOGIES



☐ Yes ☐ No



☐ Yes ☐ No



☐ Yes ☐ No

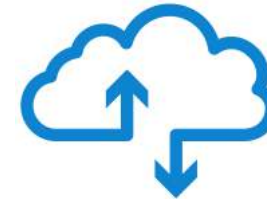
WIRELESS TECHNOLOGIES



Up to 10km



Years on a
battery



Max 50kb/s

HELIUM BALLOON

Helium balloon flew from **Utrecht (NL)** to
Düsseldorf (DE)

Went up to **22.6 km**, reaching the TTN
Hamburg gateway: **333 km** away with **SF7**

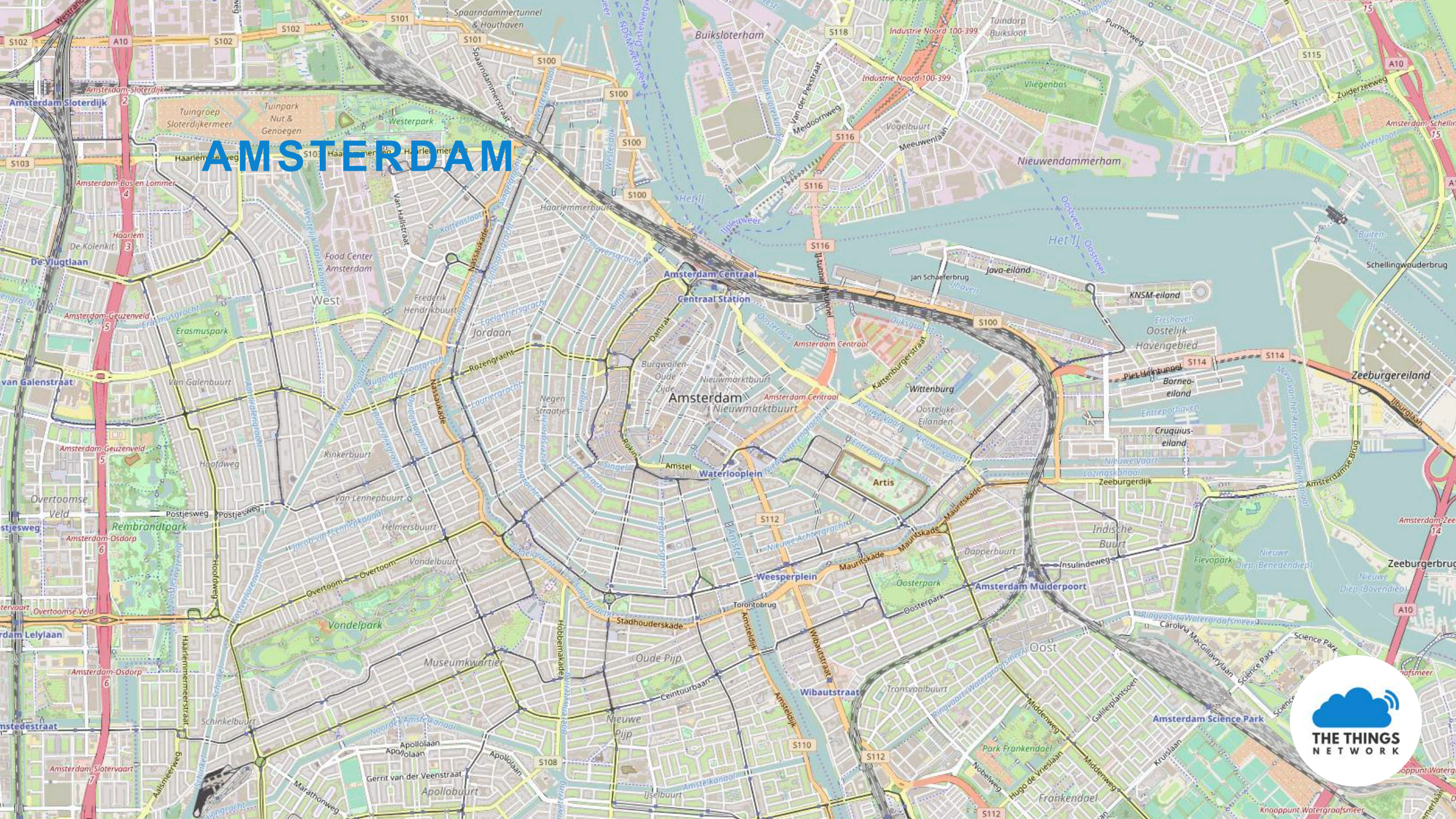
By **@telkamp** (mapping **@jpmeijers**)



HOW IT ALL STARTED

July 2015, Amsterdam

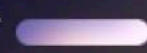
AMSTERDAM



Our mission is to build a
DECENTRALIZED,
OPEN and **CROWDSOURCED**
INTERNET OF THINGS data network
OWNED and **OPERATED** by its **USERS**

HOOSJE BOOTJE





23:41

donderdag 20 augustus



TTN nu

Uw boot staat onder water!

schuif om te antwoorden

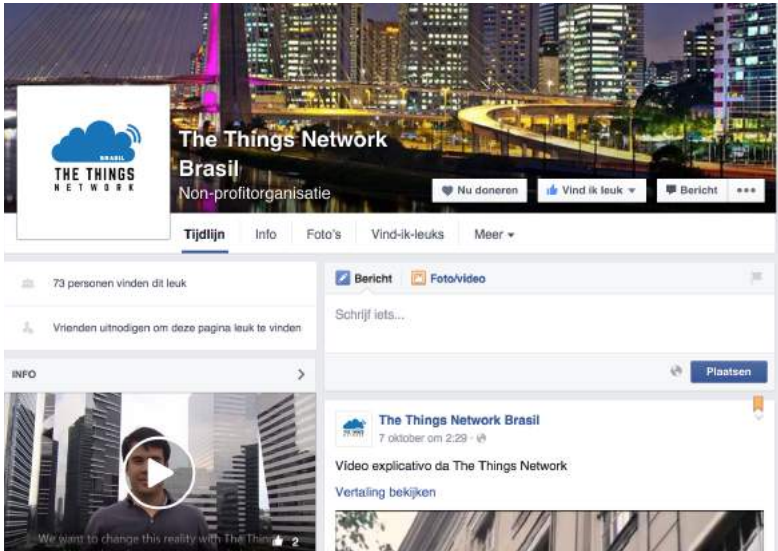


HOOSJE BOOTJE

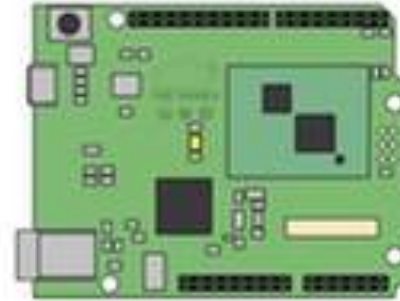


BUILDING A GLOBAL NETWORK



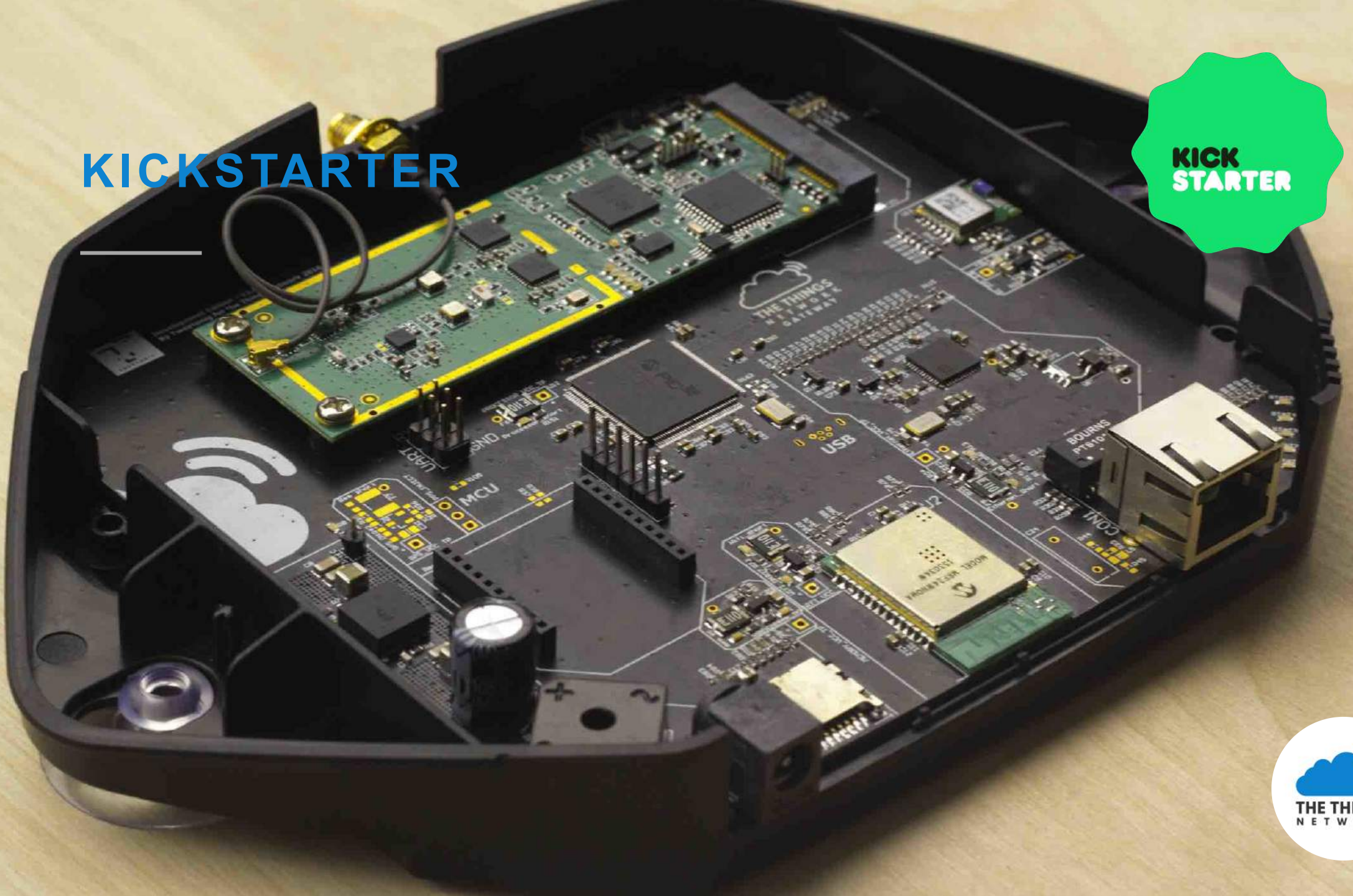


KICKSTARTER



KICKSTARTER

KICK
STARTER



BUILDING A GLOBAL NETWORK

With help of communities

350+ COMMUNITIES

80+ COUNTRIES

(February 2017)



TOGETHER CONNECTING 1100+ GATEWAYS

(February 2017)



USE CASES


So, what can you do with it?

CAR ALARM

[TOPICS](#) [EVENTS](#) [AUTEURS](#) [AGENDA](#) [MAGAZINE](#) [JOBS](#) [OPLEIDINGEN](#) [WHITEPAPERS](#) [EGUIDE](#) [🔍](#) [🐦](#) [f](#) [in](#) [✉](#)


EMERCE [E-COMMERCE](#) [MARKETING](#) [MEDIA](#) [VENTURE](#) [TECH](#) [INNOVATIE](#)

HOME / INDUSTRY WIRE / EERSTE GESTOLEN AUTO TER WERELD OPGESPOORD VIA LORA

 **INDUSTRY WIRE**
Geplaatst door: Recovery Support Center Europe B.V.
3 januari 2017 - 07:14

[🐦 0](#) [in 0](#) [f 0](#) [✉ @](#)

Eerste gestolen auto ter wereld opgespoord via LoRa



AMSTERDAM – In Nederland is voor de eerste keer ter wereld een gestolen auto opgespoord met behulp van een LoRa-sigitaal, dat normaliter gebruikt wordt voor het Internet of Things. Dankzij het signaal werd een gestolen Range Rover uit Eindhoven onlangs teruggevonden in een trailer in Hogeveen. Daarmee bewijst LoRa zich als een nieuw wapen in de strijd tegen voertuigcriminaliteit.


Het aantal diefstallen van auto's jonger dan drie jaar en dure oldtimers neemt de laatste anderhalf jaar fors toe in Nederland. De schade voor verzekeraars is daardoor verdrievoudigd, met als gevolg hogere premies. Vaak weten professionele autodieven voertuigvolgsystemen, waarmee de auto op afstand is te volgen en op te sporen, uit te schakelen. Via jammers blokkeren ze bijvoorbeeld het GPS-sigitaal.

In de techniek wedlopen met autocriminalen heeft Inter Data BV, European

MEER INDUSTRY WIRE

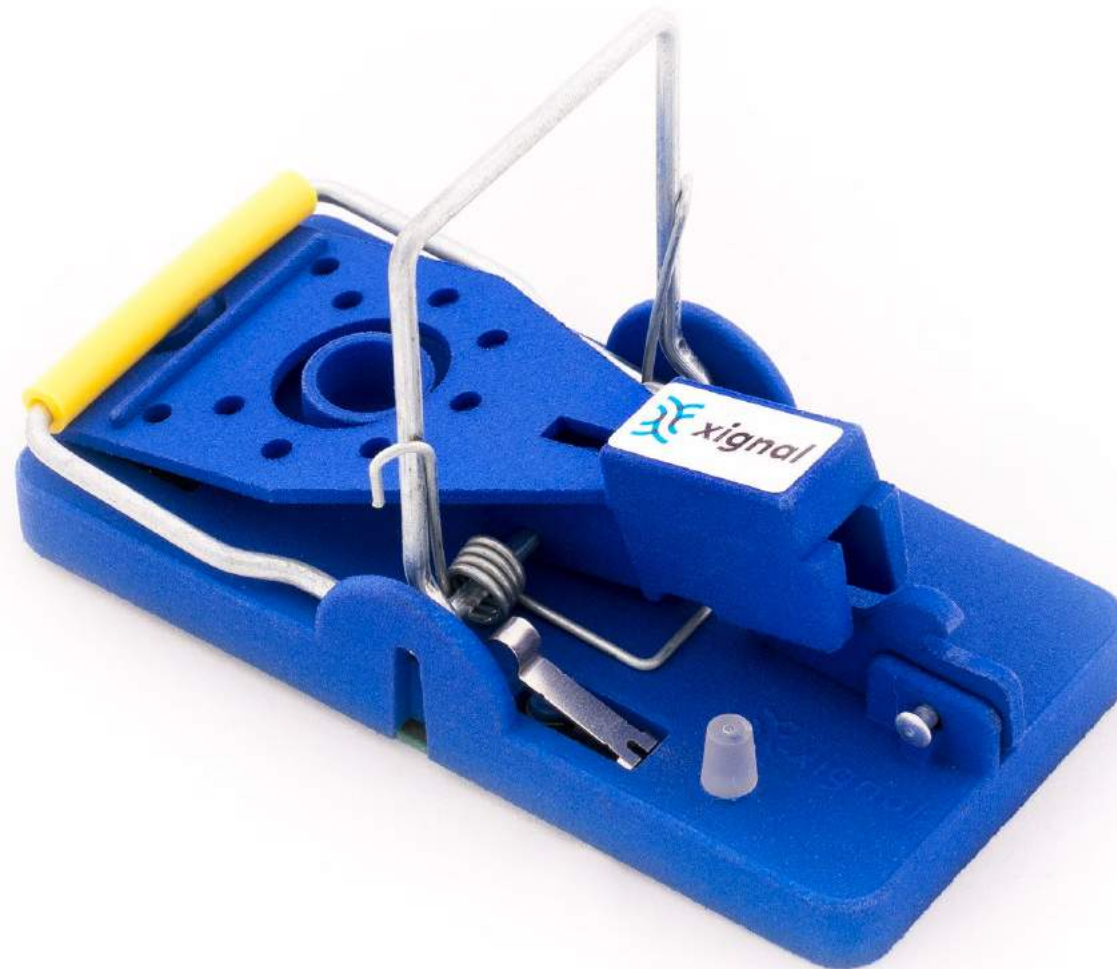
- › Cybersecuritybedrijf Dtex Systems vestigt zich in hét veiligheidscluster van Europa
- › Gunther Vogelpoel wordt CEO Creative Group
- › 5 Nieuwe benoemingen Viacom Benelux bestendigen lokale ambities
- › TenderTool.com en SmartWay Logistics gaan samenwerking aan
- › Nieuwe tool PostSpeaker vergroot sociale impact via ambassadeurs
- › CASH.nl vernieuwd!
- › Centralpoint verhuist naar grotere locatie
- › Peter Schwabe wint Nederlandse Prijs voor ICT-Onderzoek
- › Bikevertisment biedt nieuwe outdoor advertentie-mogelijkheden met hoog bereik, meetbaarheid en beleving
- › Edelman Amsterdam breidt team fors uit
- › Yenlo wint tender Hoogheemraadschap Hollands Noorderkwartier (HHNK)
- › Storyboard haalt de #MilkaAddict in fans naar boven

[Feedback](#)



SMART MOUSE TRAP

www.signal.com



AELORA

www.aelora.nl





BORA – CHILDREN AIR QUALITY KIT

www.waag.org



FLOOD.NETWORK

www.flood.network/



FLOOD.NETWORK



SAFECAST

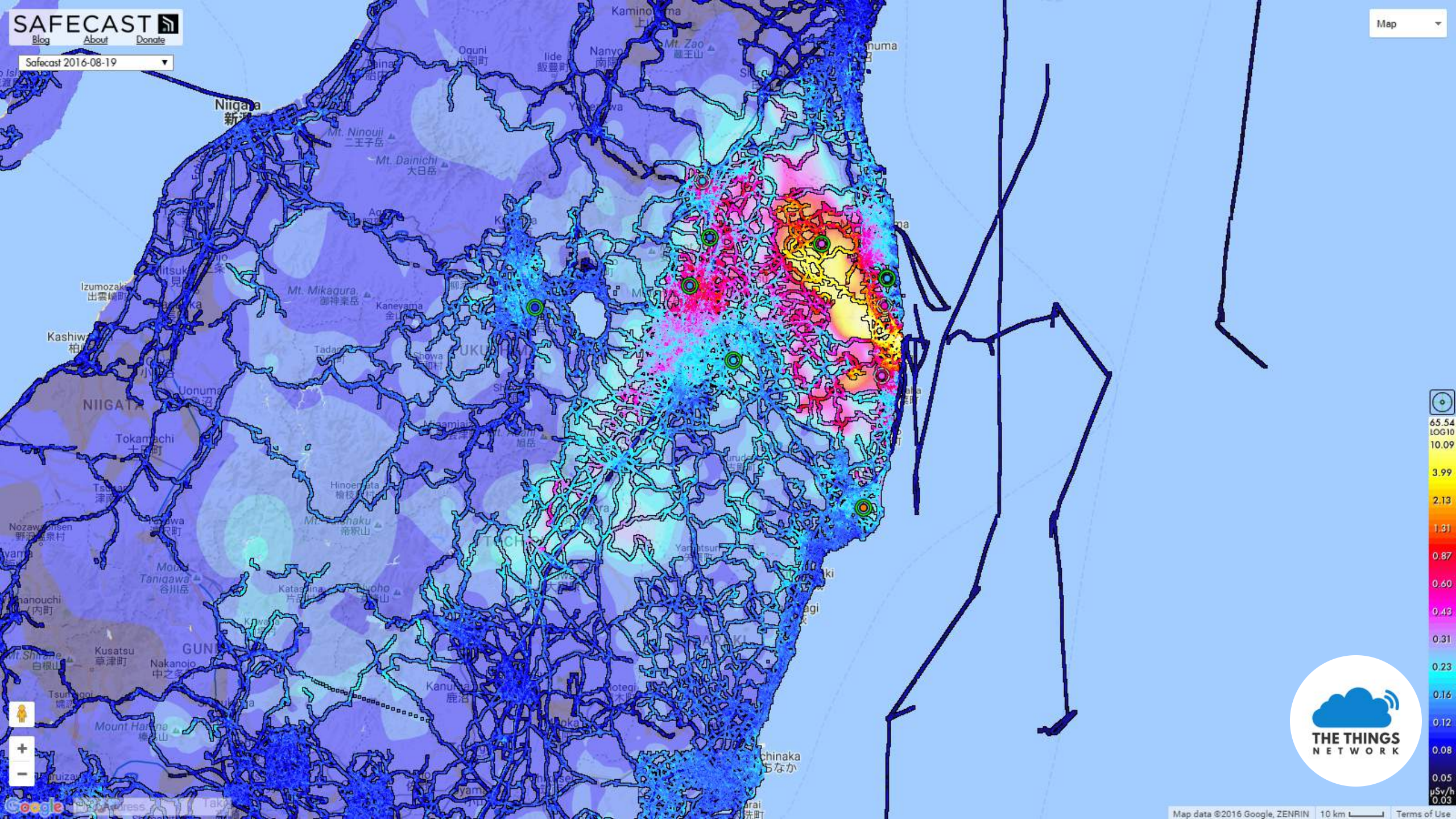
www.blog.safecast.org/



SAFECAST



Safecast 2016-08-19



WE'RE BUILDING THIS THING TOGETHER!

Join us!



**CONNECT
GATEWAYS**



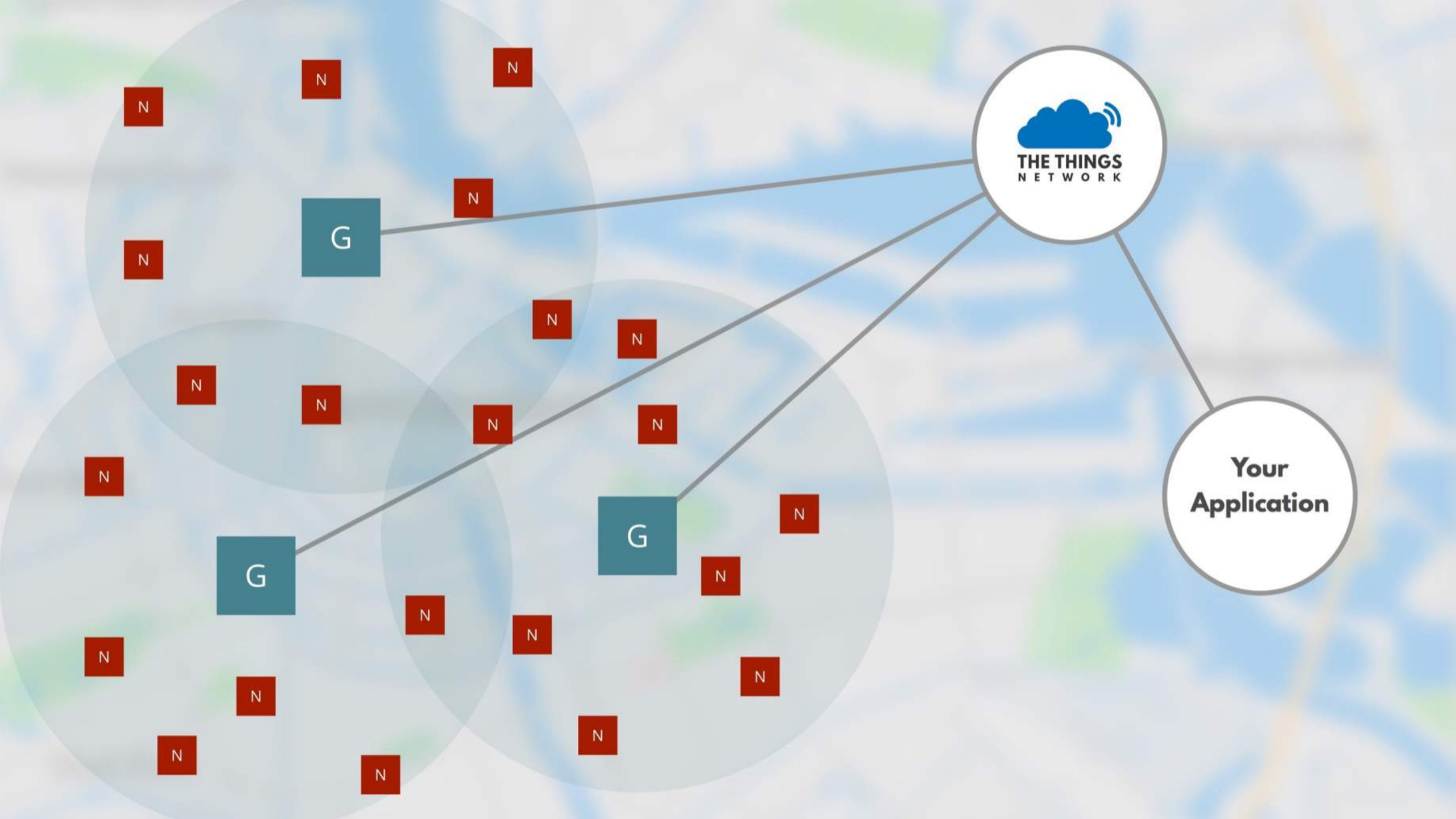
**CONTRIBUTE
OSS**

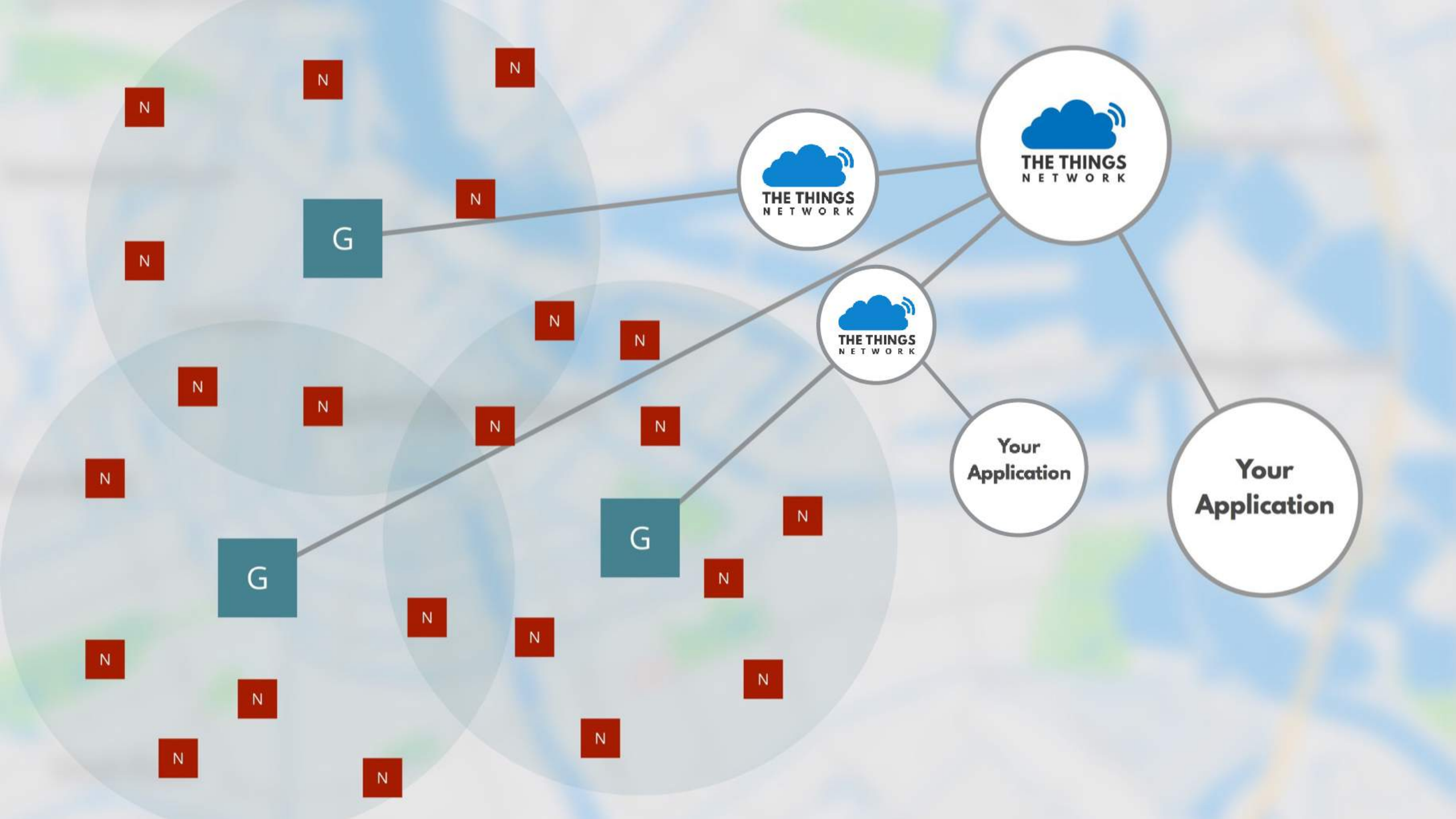


**BUILD YOUR
COMMUNITY**




SHARE!





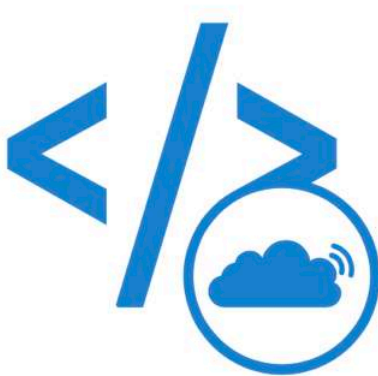
INTEGRATIONS



Cayenne
v2.2.1
myDevices



Data Storage
v2.0.1
The Things Industries B.V.



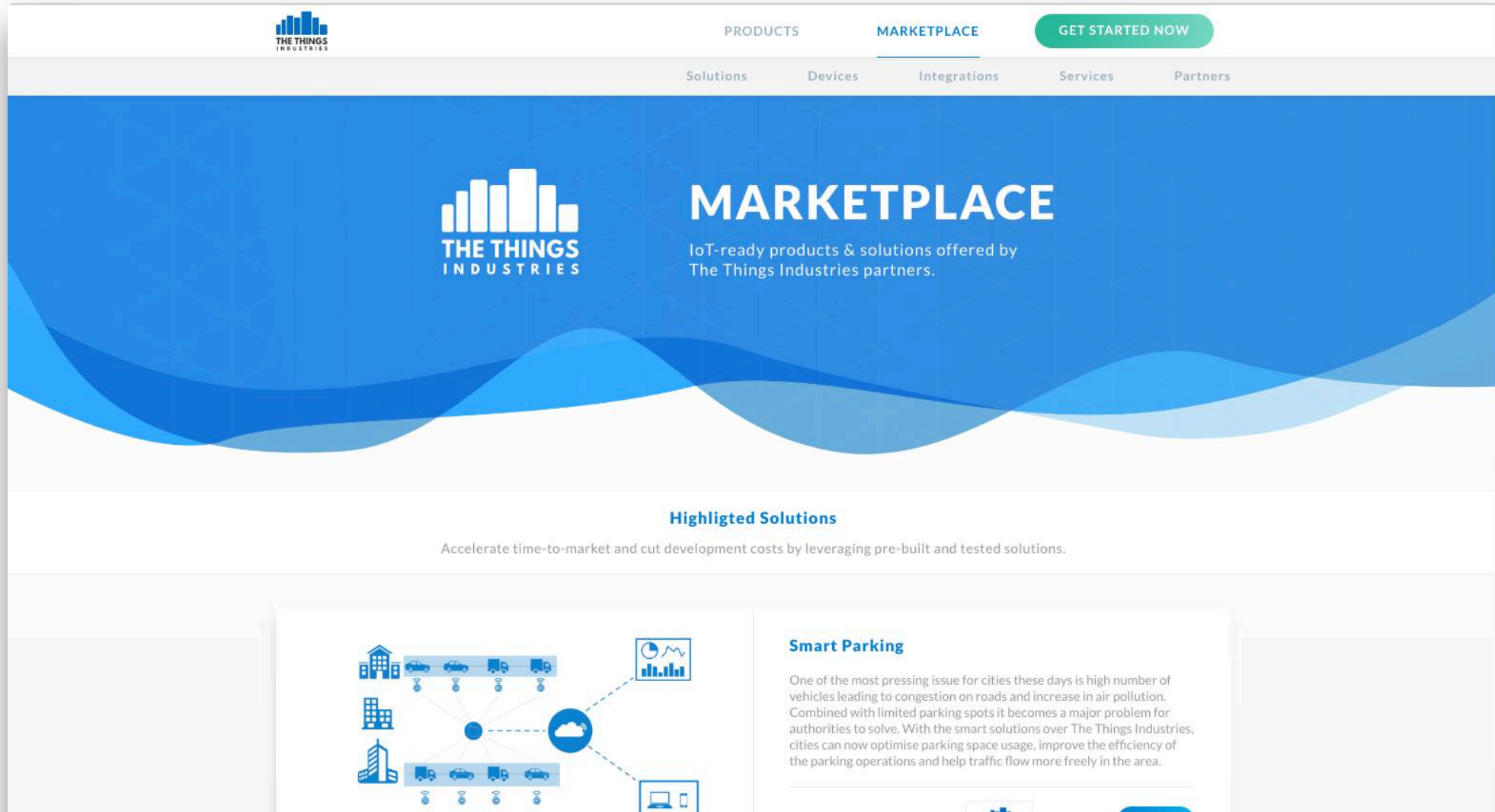
HTTP Integration
v2.2.1
The Things Industries B.V.



IFTTT Maker
v2.2.1
The Things Industries B.V.



WE'RE BUILDING THIS THING TOGETHER!



The screenshot shows the 'MARKETPLACE' section of The Things Industries website. The header includes the company logo, navigation links for 'PRODUCTS' and 'MARKETPLACE' (which is active), and a 'GET STARTED NOW' button. A secondary navigation bar lists 'Solutions', 'Devices', 'Integrations', 'Services', and 'Partners'. The main content area features a large blue banner with the company logo and the word 'MARKETPLACE' in large white letters, followed by the text 'IoT-ready products & solutions offered by The Things Industries partners.' Below this is a section titled 'Highlighted Solutions' with the subtext 'Accelerate time-to-market and cut development costs by leveraging pre-built and tested solutions.' The first solution card, 'Smart Parking', includes a diagram of a city street with cars and sensors connected to a central cloud icon, and a text description of the problem and solution.

THE THINGS INDUSTRIES

PRODUCTS **MARKETPLACE** GET STARTED NOW

Solutions Devices Integrations Services Partners

MARKETPLACE


IoT-ready products & solutions offered by The Things Industries partners.

Highlighted Solutions

Accelerate time-to-market and cut development costs by leveraging pre-built and tested solutions.

Smart Parking

One of the most pressing issue for cities these days is high number of vehicles leading to congestion on roads and increase in air pollution. Combined with limited parking spots it becomes a major problem for authorities to solve. With the smart solutions over The Things Industries, cities can now optimise parking space usage, improve the efficiency of the parking operations and help traffic flow more freely in the area.



THE THINGS NETWORK



YOU ARE THE NETWORK
LET'S BUILD THIS THING TOGETHER!

Laurens Slats

www.thethingsnetwork.org

