



Internet of Things

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Lynx (web browser)

From Wikipedia, the free encyclopedia

Jump to: [navigation](#), [search](#)

CAPTION: Lynx

Wikipedia Main Page displayed in Lynx

Wikipedia Main Page displayed in Lynx

Maintainer: Thomas Dickey

Stable release: 2.8.5 (February 4, 2004) [\[\[+/-\]\]](#)

Preview release: 2.8.6 (?) [\[\[+/-\]\]](#)

OS: Cross-platform

Use: web browser

License: GPL

Website: lynx.isc.org

Lynx is a text-only Web browser and Internet Gopher client for use on cursor-addressable, character cell terminals.

Browsing in Lynx consists of highlighting the chosen link using cursor keys, or having all links on a page numbered and entering the chosen link's number. Current versions support SSL and many HTML features. Tables are linearized (scrunched together one cell after another without tabular structure), while frames are identified by name and can be explored as if they were separate pages.

Lynx is a product of the Distributed Computing Group within Academic Computing Services of the University of Kansas, and was initially developed in 1992 by a team of students at the university (Lou Montulli, Michael Grobe and Charles Rezac) as a hypertext browser used solely to distribute campus information as part of a Campus-Wide Information Server. In 1993 Montulli added an Internet interface and released a new version (2.0) of the browser [\[1\]](#) [\[2\]](#) [\[3\]](#).



Document Title: **I NCSA Mosaic Home Page!**

Document URL: <http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/NCSAMosaicHome.html>



Welcome to NCSA Mosaic, an Internet information browser and World Wide Web Mosaic was developed at the National Center for Supercomputing Application University of Illinois in --> Urbana-Champaign. NCSA Mosaic software is co The Board of Trustees of the University of Illinois (UI), and ownership re UI.



Mozilla Phoenix and Firebird
2002 to 2004



Mozilla Firefox 0.8 and 0.9
2004



Mozilla Firefox 1.0 to 3.0
2004 to 2009



Mozilla Firefox 3.5
2009

Mosaic → Netscape → Firefox

WEB 2.0









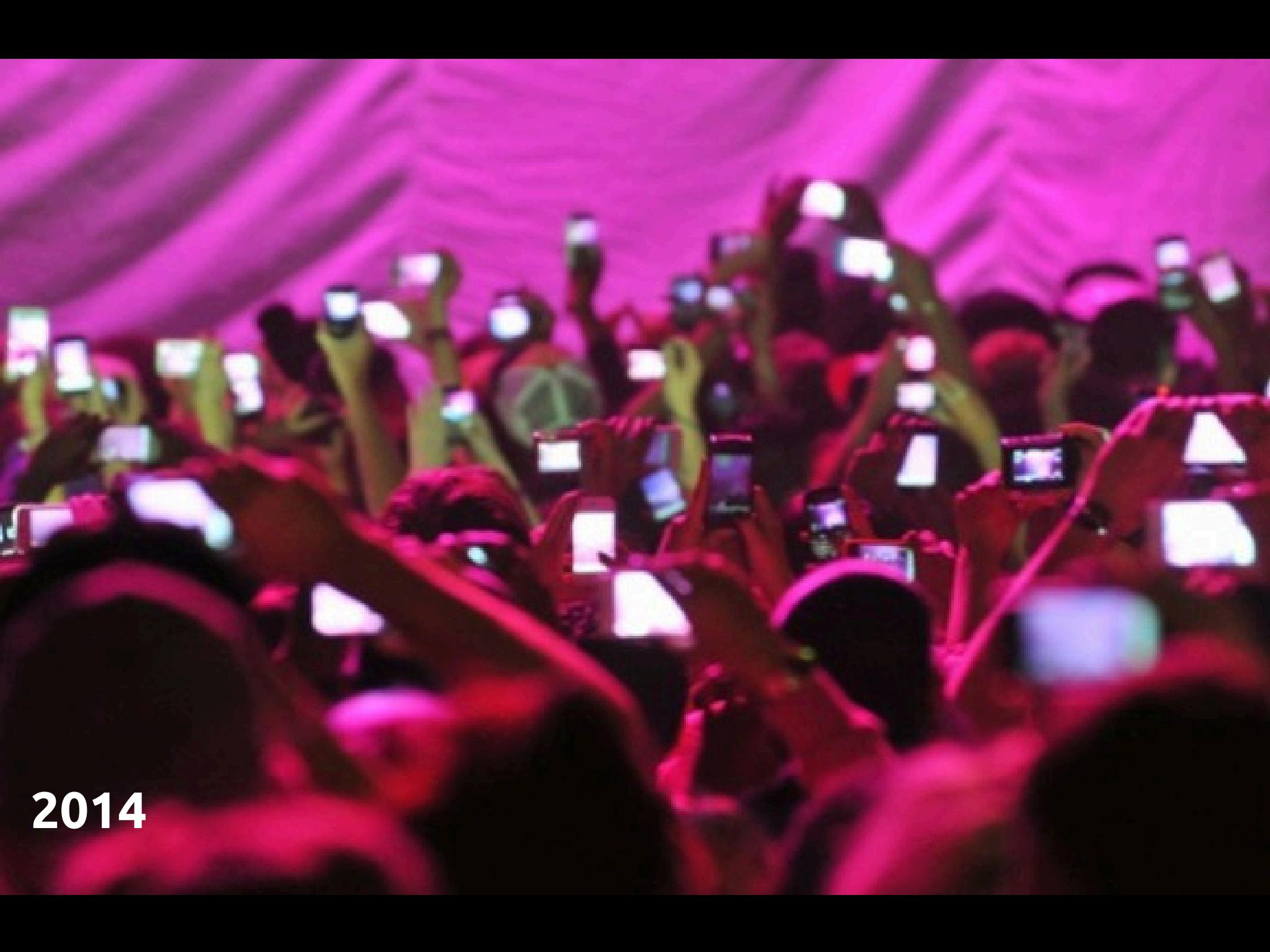
Candy crush is ruining my life. I'm never playing again... Oh! I have more lives.



someecards
user card



1990



2014





<http://www.tangibleinteraction.com/projects>

Cose a cui siamo (quasi) abituati



E normale attendere l'autobus sapendo quando arriva...



Top quality gust-busting
umbrella canopy design

The magic is in the
handle – it glows to
indicate when rain or
snow is forecast – so
you remember to take
it with you.

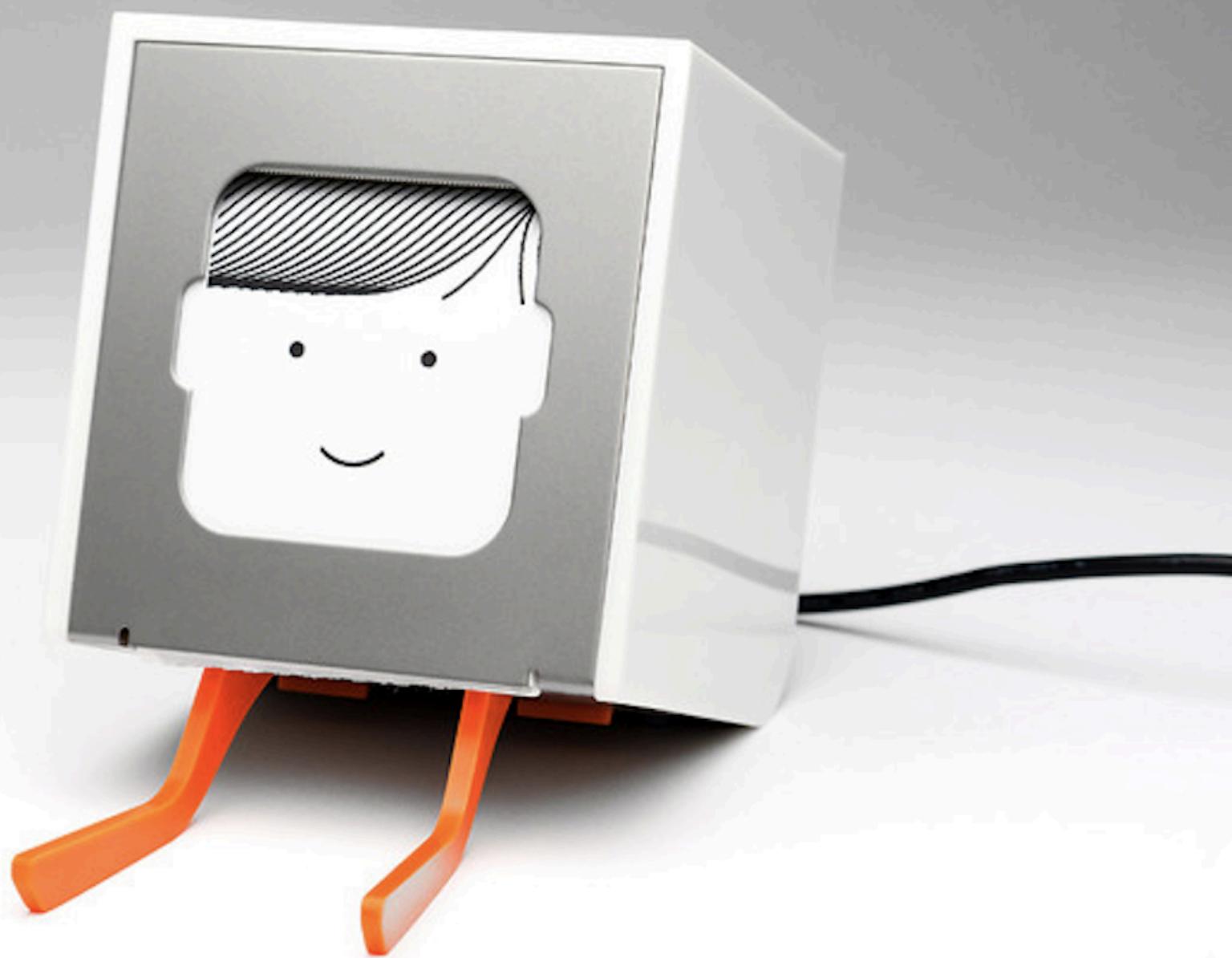


Una luce ci avvisa che è l'ora della medicina.
Se non apriamo il barattolo, un sms avvisa il medico.





La sveglia controlla l'orario del treno e se è in ritardo, ritarda la suoneria





STANLEY

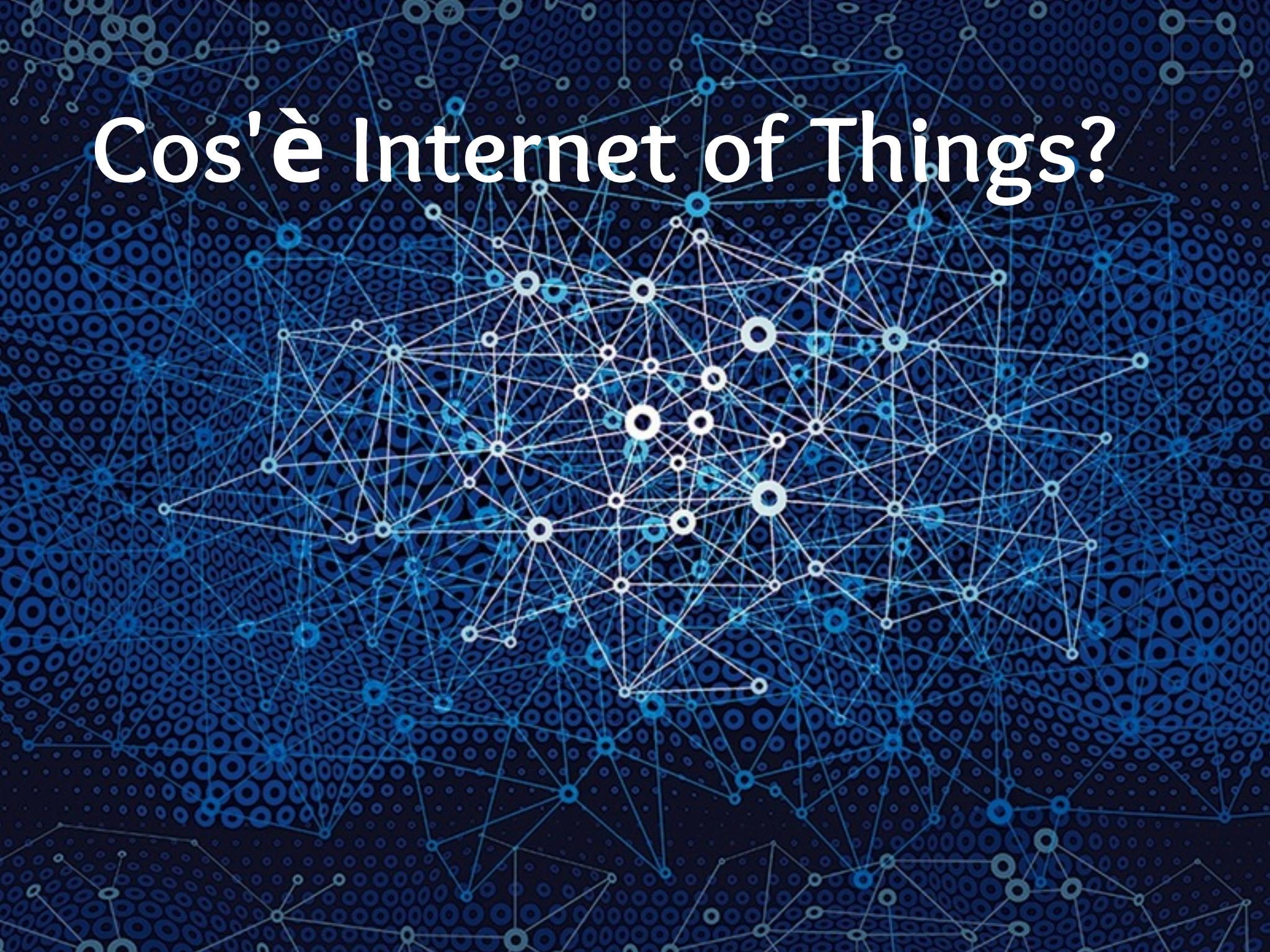
HELLO WORLD.

MAKE A
REQUEST

@STANLEYPIANO



Cos'è Internet of Things?

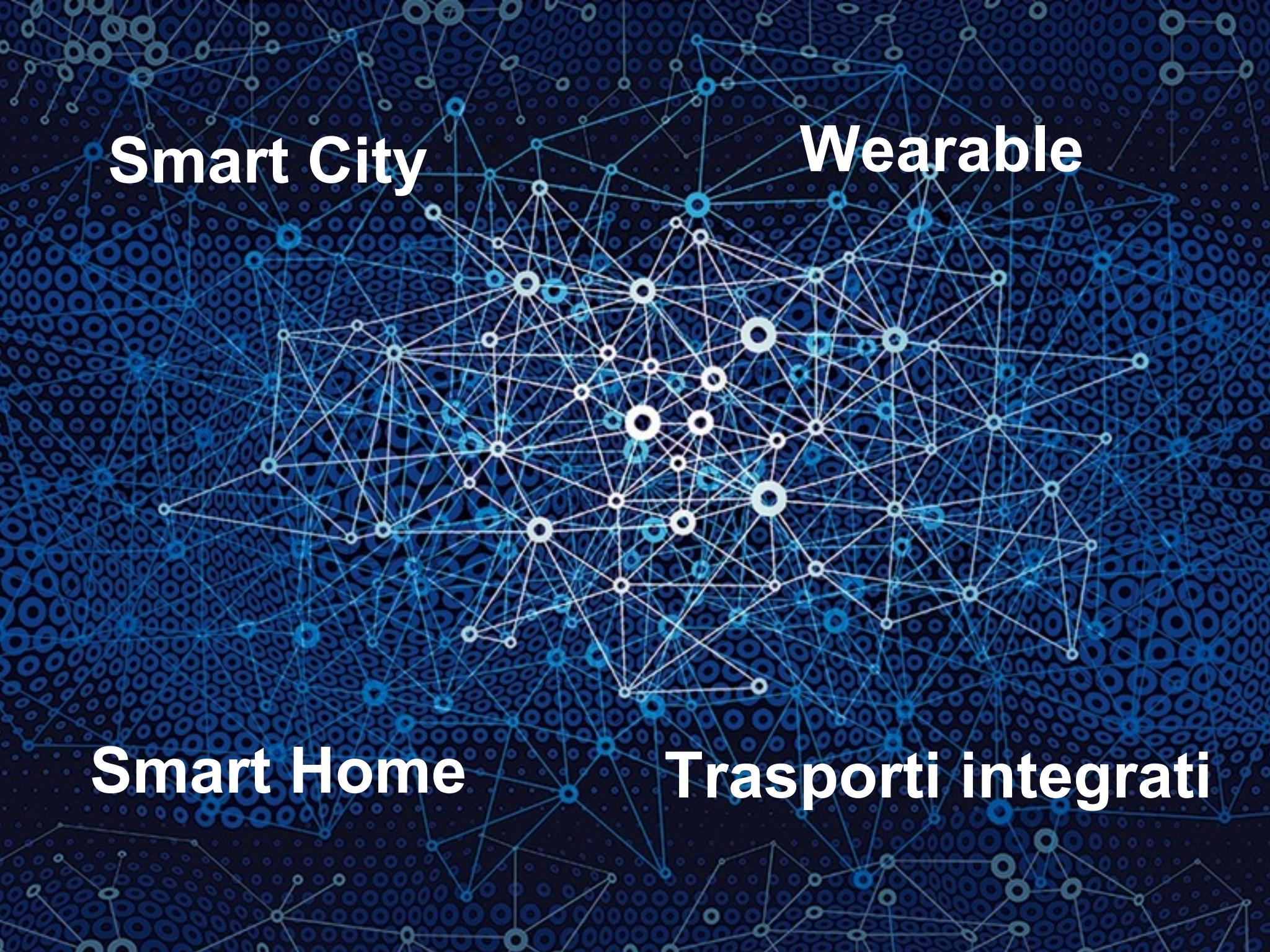


IoT

=

Things + Internet

Sono "cose" e non computer e devono usare Internet per comunicare



Smart City

Wearable

Smart Home

Trasporti integrati

Wearable

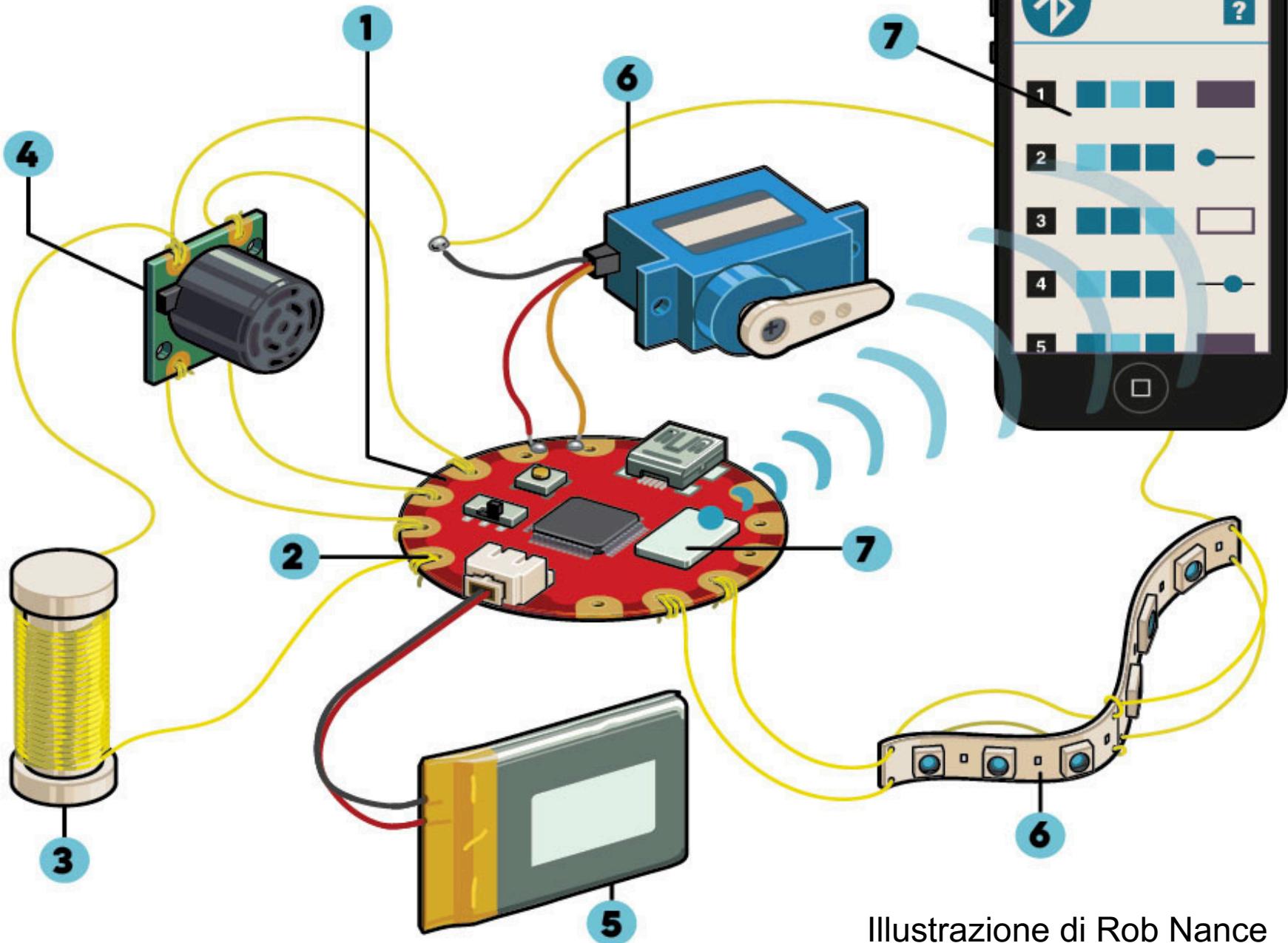


Illustrazione di Rob Nance







Hiris

PHILIPS



I WANT / JE VEUX

hue

PERSONAL WIRELESS LIGHTING

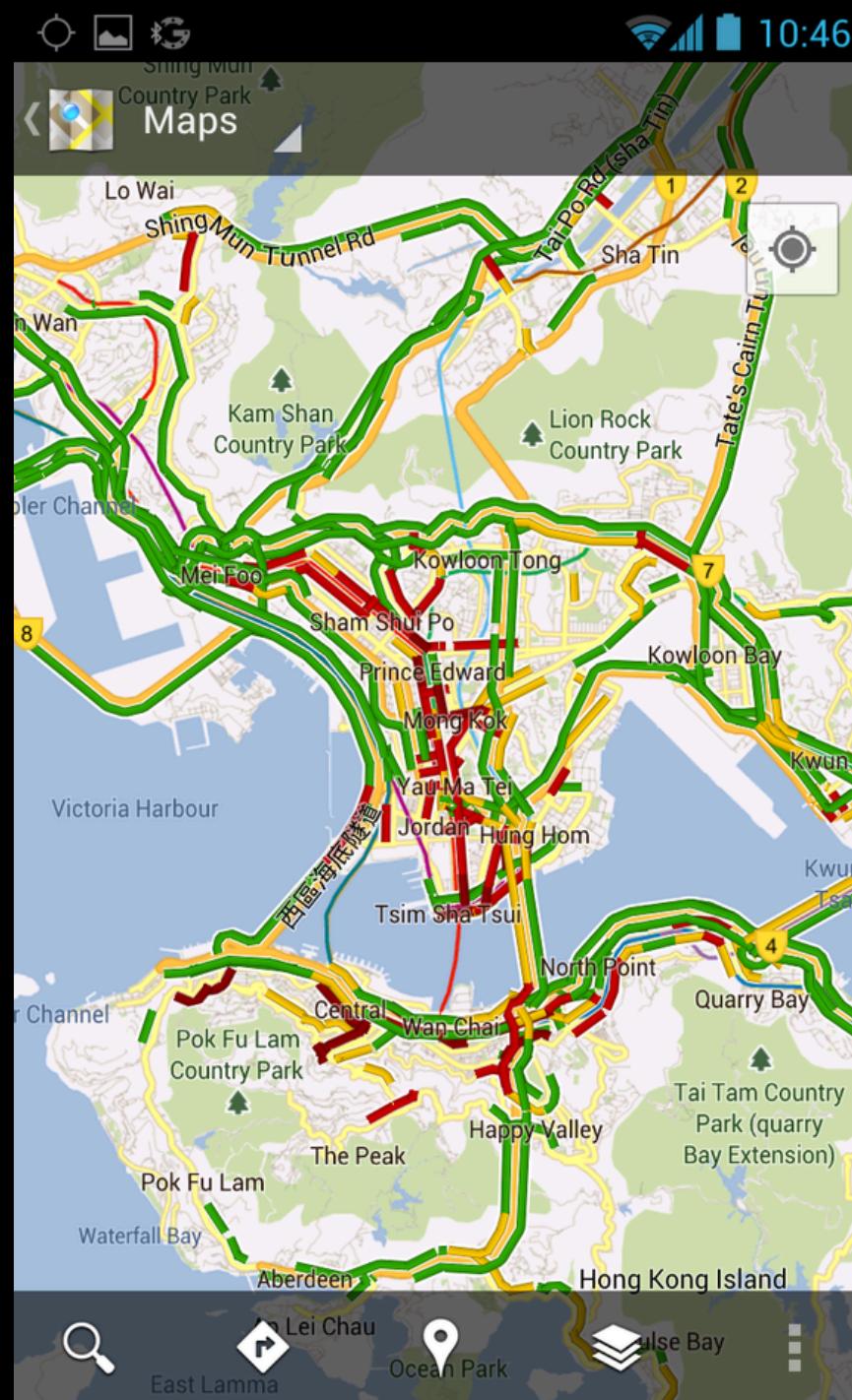
Available on the
App Store

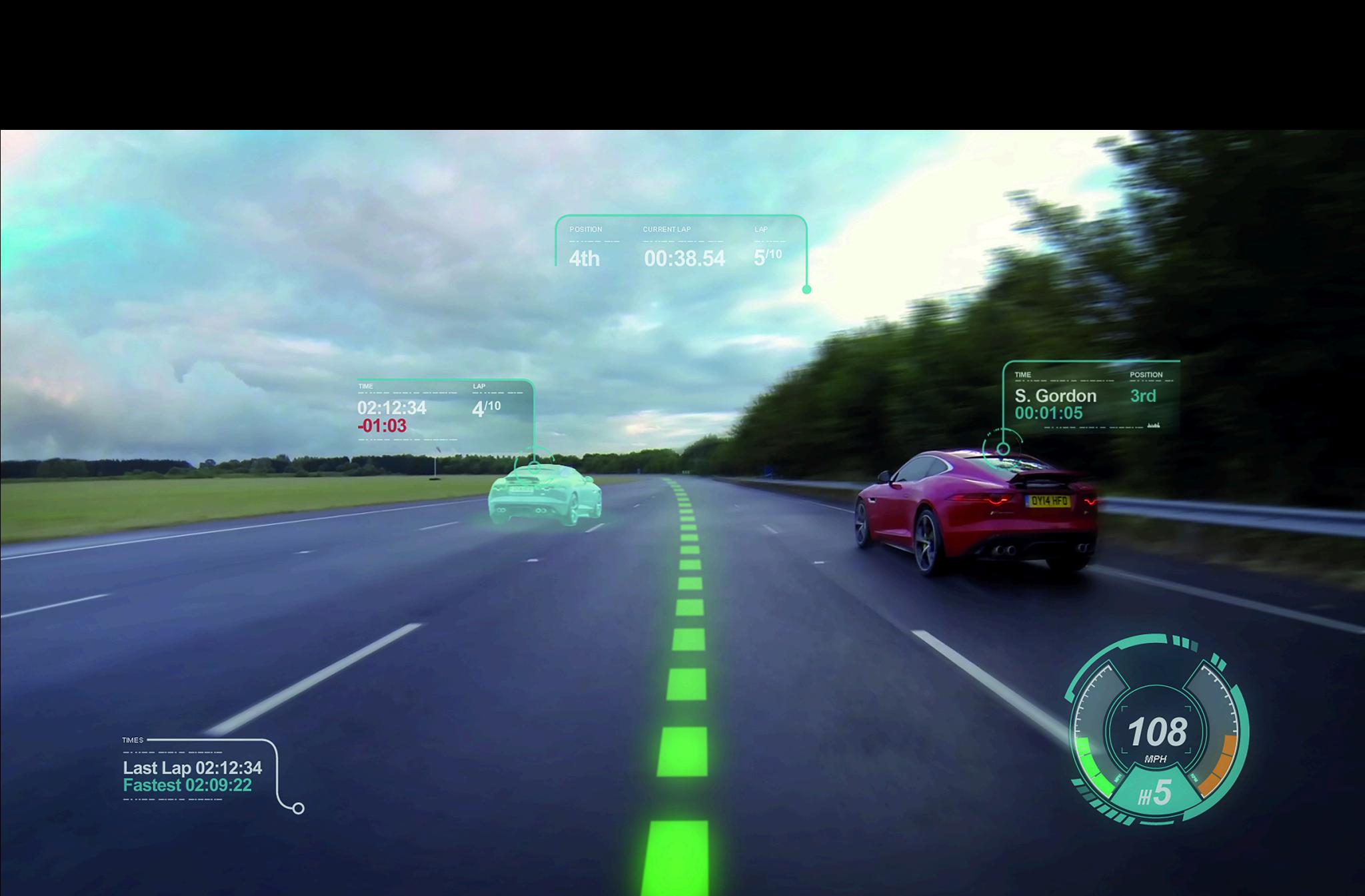


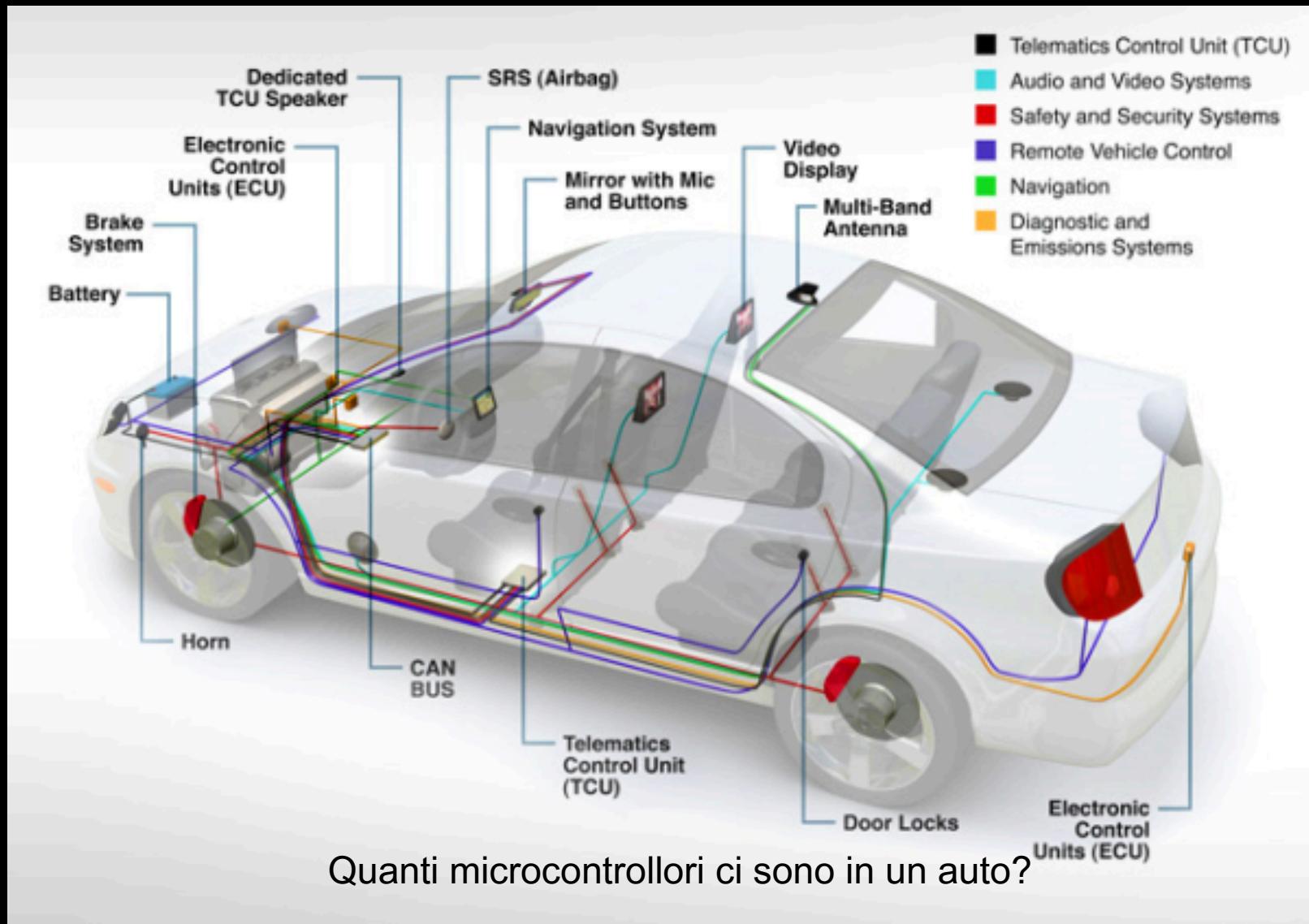
Nest: adatta l'ambiente all'uso che se ne fa



... e raccoglie dati che potrebbero essere utili...







In un auto ci sono più di 50
microcontrollori

L'elettronica incide sul 40 % dei costi
di costruzione di un auto

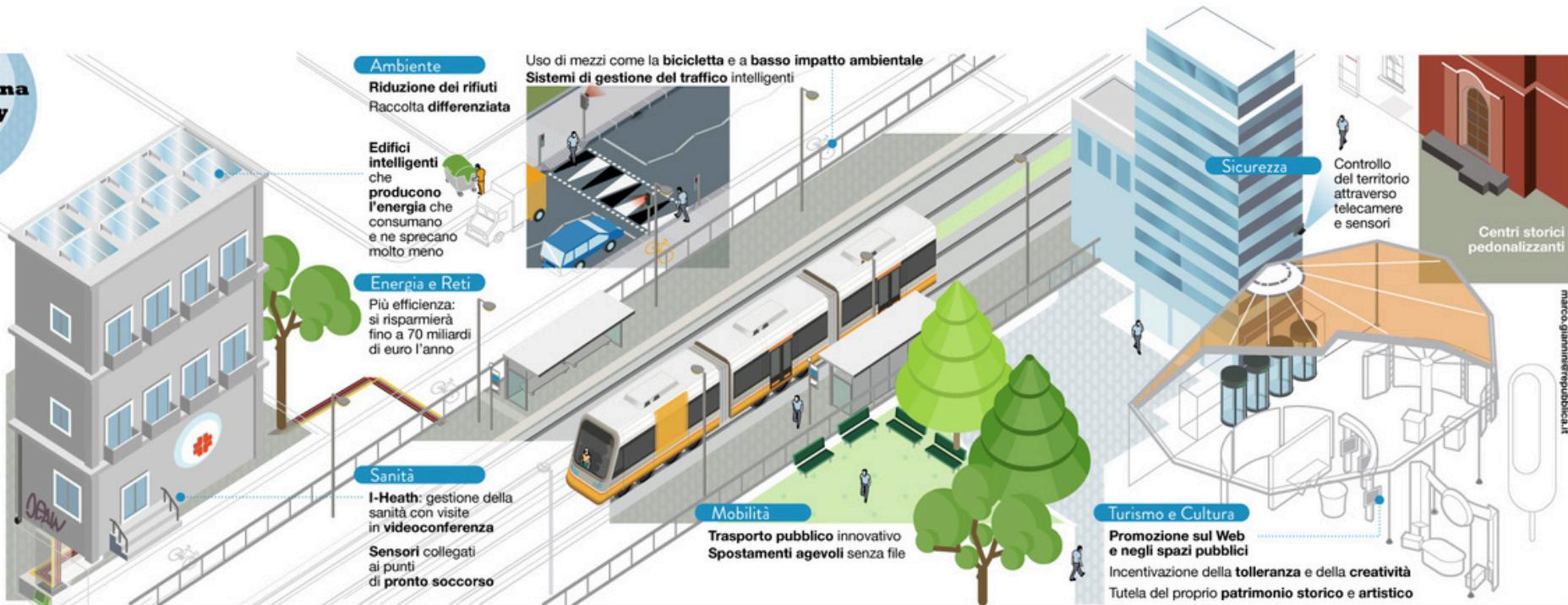
Che cos'è una Smart City

modello di città "intelligente", interconnessa e sostenibile proposto dalla Ue

investimenti per 11 miliardi previsti nei prossimi 8 anni dalla Ue

obiettivi primari: ridurre del 20% le emissioni inquinanti entro il 2020

30 smart city in rete tra loro in Europa



Le Smart City

In Italia

- Genova
Progetto Expo 2015
- L'Aquila

In Europa

- Città olimpica di Londra
- Barcellona
- Amsterdam



I numeri sul terremoto

FONDI STANZIATI

10,6 miliardi di euro
I fondi complessivi stanziati dopo il sisma a L'Aquila

2,9 miliardi già erogati per affrontare l'emergenza

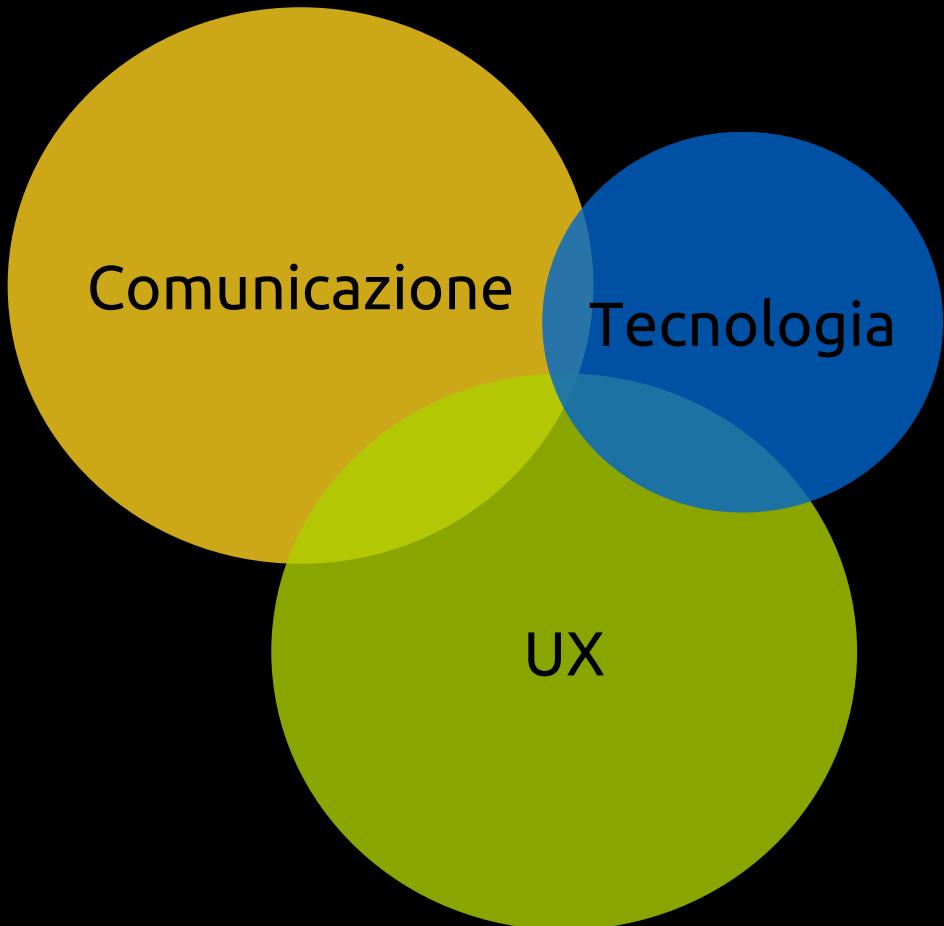
5,7 miliardi sono disponibili per la ricostruzione

FONDI SPESI

680 milioni già spesi per la prima emergenza

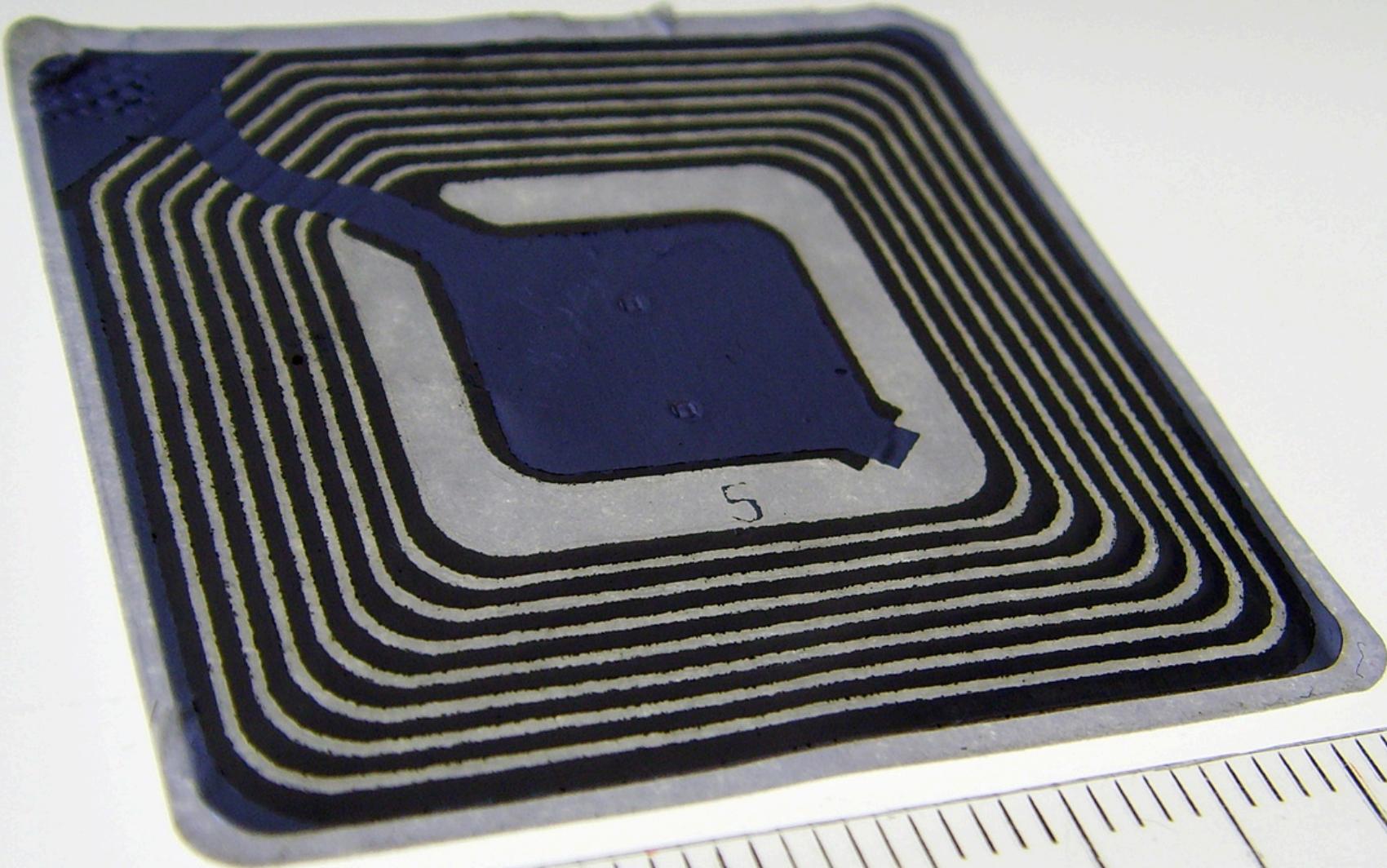
833 milioni hanno consentito di dare il via al progetto Case

284 milioni utilizzati per costruire i moduli abitativi provvisori (Map)



Un nuovo modo di comunicare

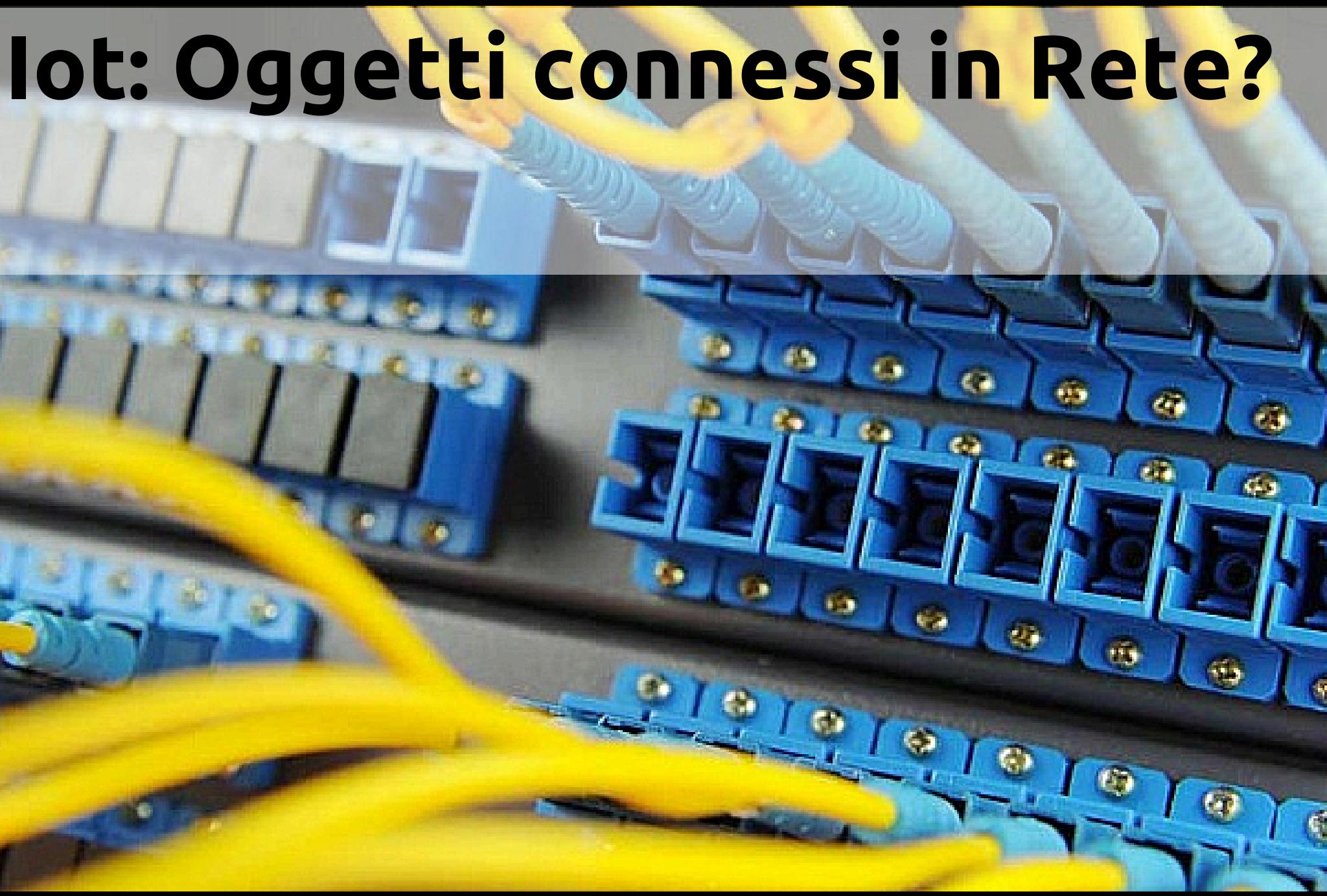




1980 - Wireless Sensor

1970 - RFID

Iot: Oggetti connessi in Rete?



«L'effetto rete»

Il telefono non è stato molto importante fino a che molte persone non ne ebbero uno in casa



Wi-Fi
ZONE

La tecnologia costa sempre meno

Posta in arrivo (3) – paolo... x wifi zone – Cerca con Goo... x Microcontroller | Microcon... x

it.rs-online.com/web/c/sempiconduttori/microcontrollori-e-processori/microcontroller/?sort-by=P_breakPrice1&sort

rs

5 6 3 2 Corrispondenze

Aggiorna i risultati

Aggiornamento automatico

Filtri Mostra tutti

– Marchio

- Analog Devices (48)
- Atmel (584)
- Cypress Semiconductor (2)
- Energy Micro (6)
- Freescale (397)
- Infineon (30)
- Maxim (26)
- Microchip (2730)

– Famiglia

- AduC (2)
- ADuC7 (12)
- ADUC70 (2)
- ADUC7061 (1)
- ADUC71 (1)
- ADuC8 (22)
- ADUC84 (3)
- ADUC842 (2)

+ Core del dispositivo

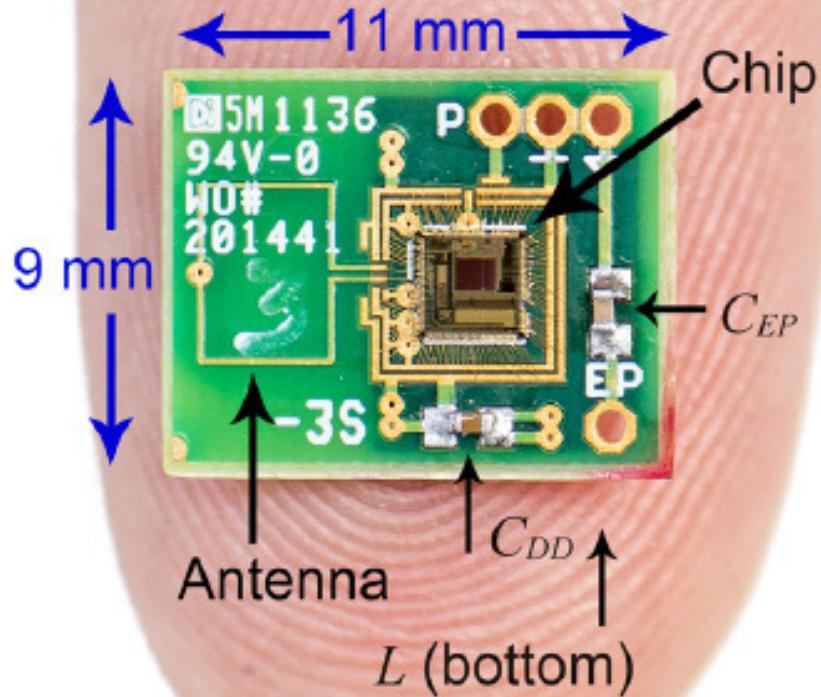
+ Larghezza del bus dati

+ Dimensioni RAM

Visualizzati 1 - 20 di 5632 prodotti

Risultati per pagina 20 ▾ Ripristino selezione

Prezzo (escluso IVA)	Dettagli prodotto	Famiglia	Core del dispositivo	Larghezza del bus dati	Dimensioni RAM	Dime... memoria program...	
€ 0,227 1pz in confezione da 25	 Aggiungi Clicca qui per verificare la disponibilità	Codice RS 775-3919 Marchio <u>Renesas Electronics</u> Codice costruttore R7F0C30562ESP#AC0	MCU	78K0	8bit	768 B	16 KB
€ 0,357 Unità (Su Bobina da 3300)	 Aggiungi Clicca qui per verificare la disponibilità	Codice RS 817-3689 Marchio <u>Microchip</u> Codice costruttore PIC10F200T-I/MC	PIC	PIC10F	8bit	16 B	0,375
€ 0,383		Codice RS 817-3698 Marchio <u>Microchip</u>	PIC	PIC10F	8bit	16 B	0,375



Il costo delle “radio” è in continua discesa. Oggi costano meno di 1\$

**Sembra che ogni oggetto debba
essere connesso**

Oggi le aziende lo fanno per avere «features»

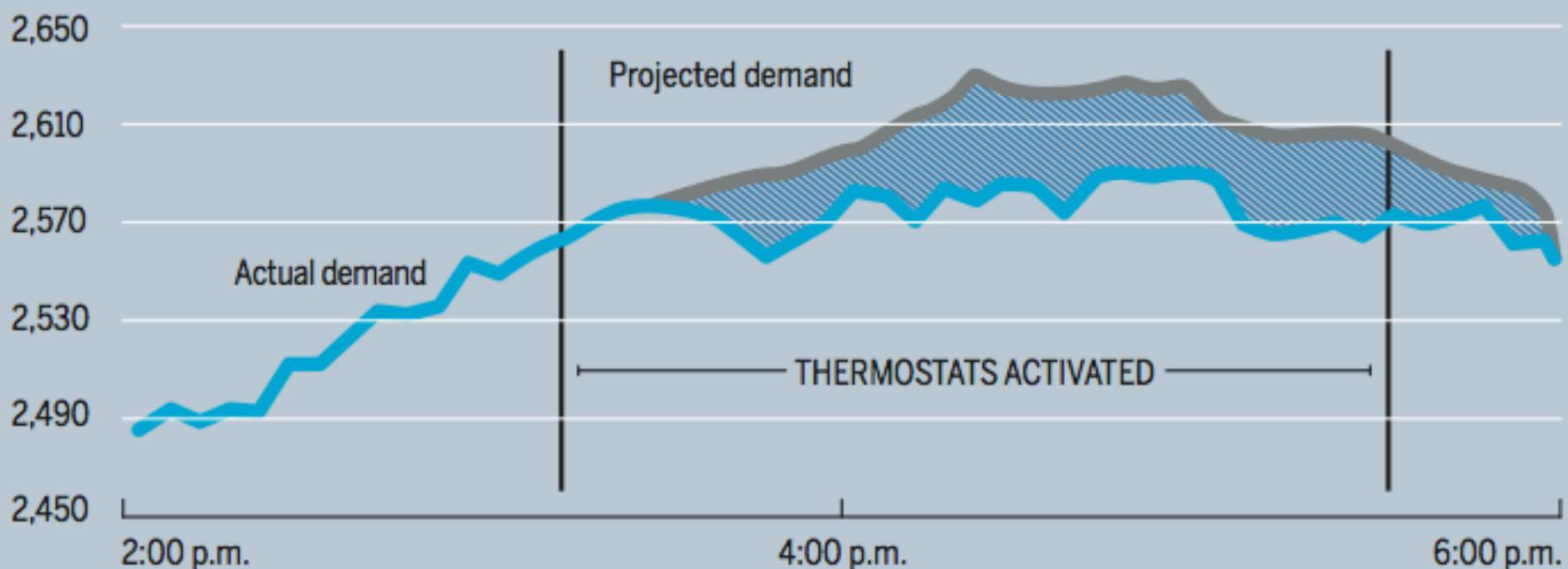
**Oggetti connessi producono dati che sono nelle mani
delle aziende**

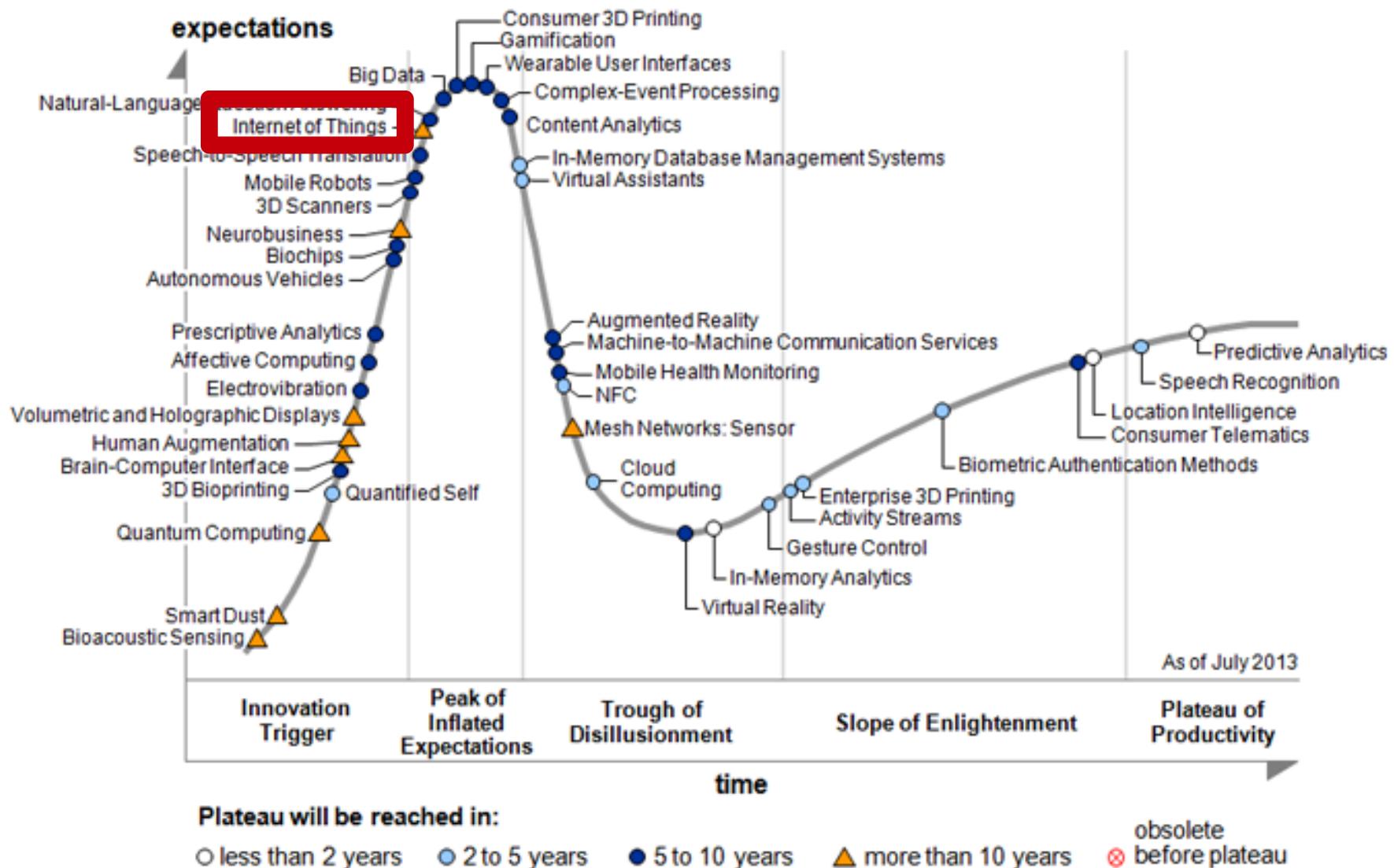
Ne sono consapevoli?

Peak Power

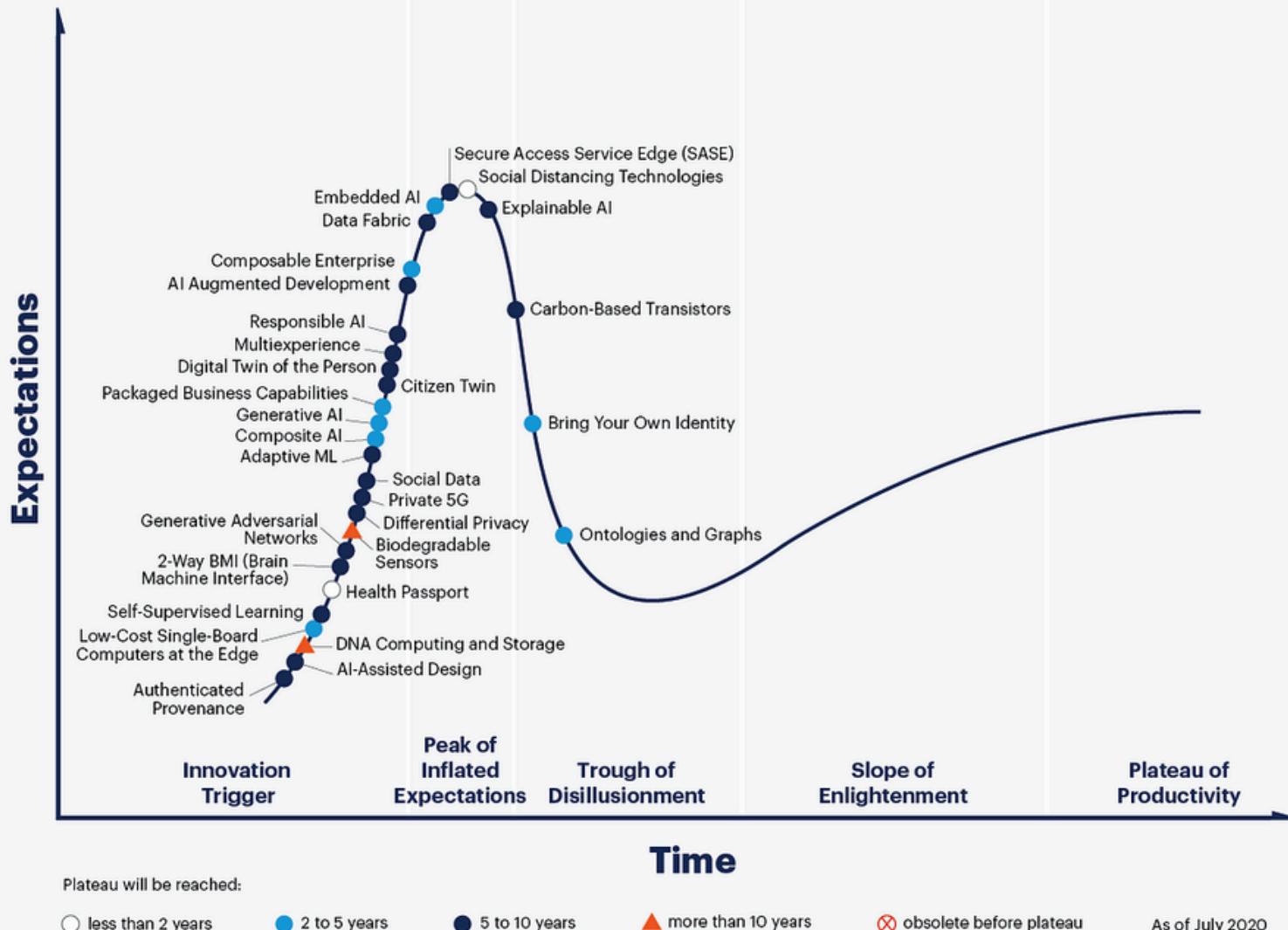
On a 104° day in Austin, remote control of home thermostats helped cut power demand.

Megawatts



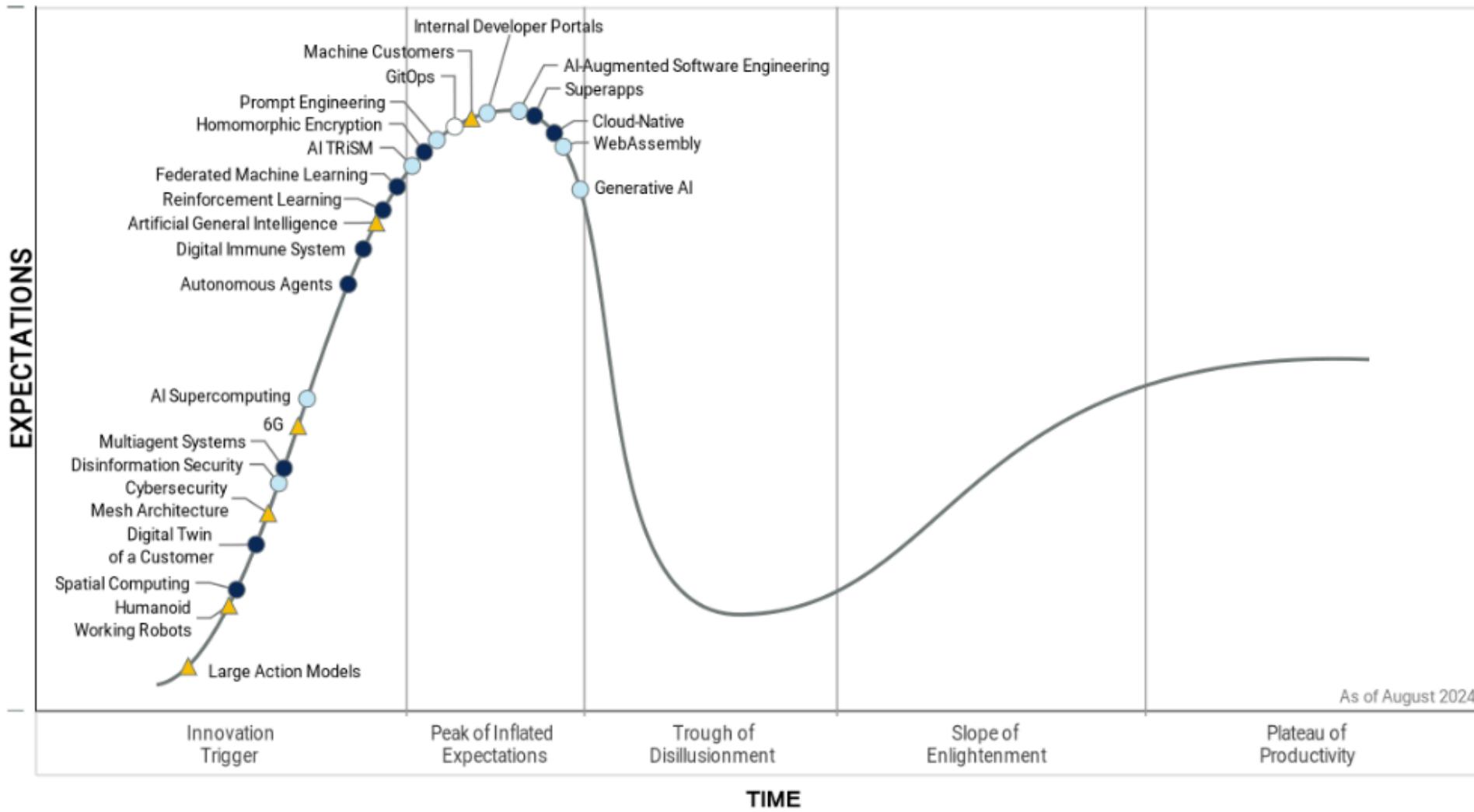


Hype Cycle for Emerging Technologies, 2020



gartner.com/SmarterWithGartner

Gartner®



Plateau will be reached: ○ <2 yrs. ● 2–5 yrs. ● 5–10 yrs. ▲ >10 yrs. ✗ Obsolete before plateau

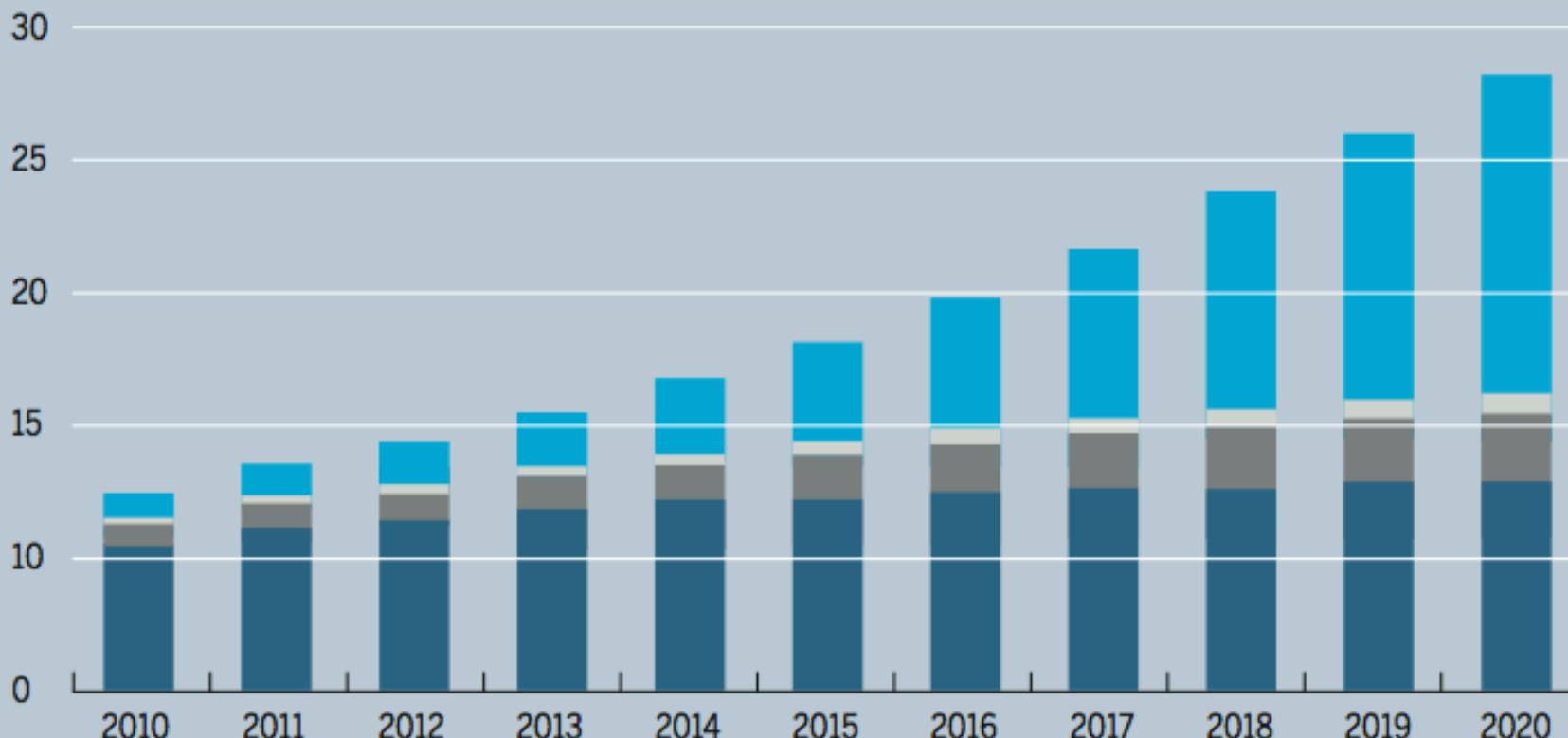
Gartner

Machines Go Online

The number of everyday objects, or "things," connecting to the Internet will exceed PCs and smartphones.

- Things
- Tablets
- PCs & laptops
- Mobile phones

Connected devices (billions)



Cisco prevede:
50 Billion Things
nei prossimi 6 anni

Gartner Says the Internet of Things Installed Base Will Grow to 26 Billion Units By 2020

Altre fonti:

3/5 bilioni di device tradizionali
1 trillione di device iot

A photograph of two Sumatran tigers walking towards the camera through a dense jungle. The tigers have distinct orange and black stripes. The background is filled with various tropical plants and trees.

IoT & Big Data



Quanti dispositivi?

Come interagiscono?

