



# IBM BusinessConnect 2014

## A New Era of Smart

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## **Big Data & Internet of Things : Between a Security Challenge & Predictive Prevention**

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# Internet of things: \$8.9 trillion market in 2020, 212 billion connected things

**Summary:** *IDC tries to put a number on the Internet of things and while you may quibble over the forecast, the numbers are huge assuming multiple hurdles can be overcome.*



By Larry Dignan for [Between the Lines](#) | October 3, 2013 -- 12:59 GMT (13:59 BST)

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The Internet of things and the technology ecosystem surrounding it are expected to be a \$8.9 trillion market in 2020, according to IDC.

In a nutshell, the Internet of things is the product of sensors, technology and networking all coming together to allow buildings, infrastructure and other resources to swap information. Today, the Internet of things and machine-to-machine data falls under the big data umbrella with projects just beginning.

IDC said the installed base of things connected will be 212 billion by the end of 2020, including 30.1 billion connected autonomous things. Intelligent systems will be installed and collecting data by this point.

## More on M2M

- [M2M and the Internet of Things: A guide](#)
- [From the house to the island: How M2M can cut electricity use](#)
- [5 cool things you didn't know M2M could do](#)



## Sample M2M Applications



### • M2M Functions

- Track usage
- Upload data
- Report changes
- Monitoring
- Surveillance
- Notification
- Transactions
- Digital displays
- Location tracking
- eReaders/ emerging devices

Source: Telit Wireless Solutions

# INTERNET OF THINGS

survey  
& Quantified Self

Upcoming technologies

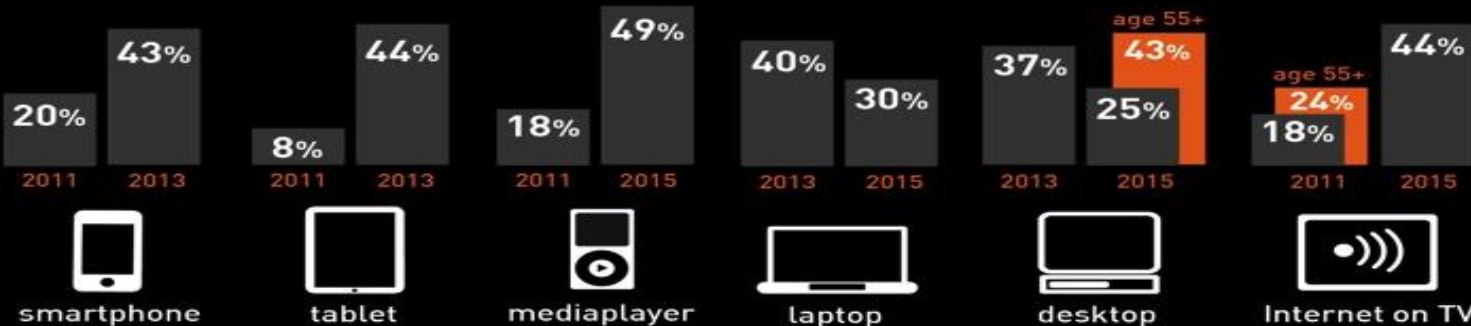


in 2015 **56%** connects lighting to the Internet



in 2015 **59%** connects thermostat to the Internet

Use of devices that are connected to the Internet



Positive attitude towards Internet of Things



The Internet has changed life concerning:



The Internet and health

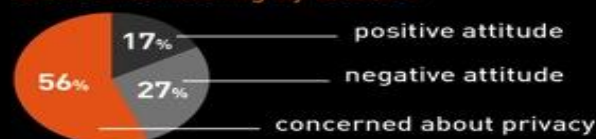
Use of apps for measuring health/sports



Sort of apps people will use in 2015



Online monitoring by doctors

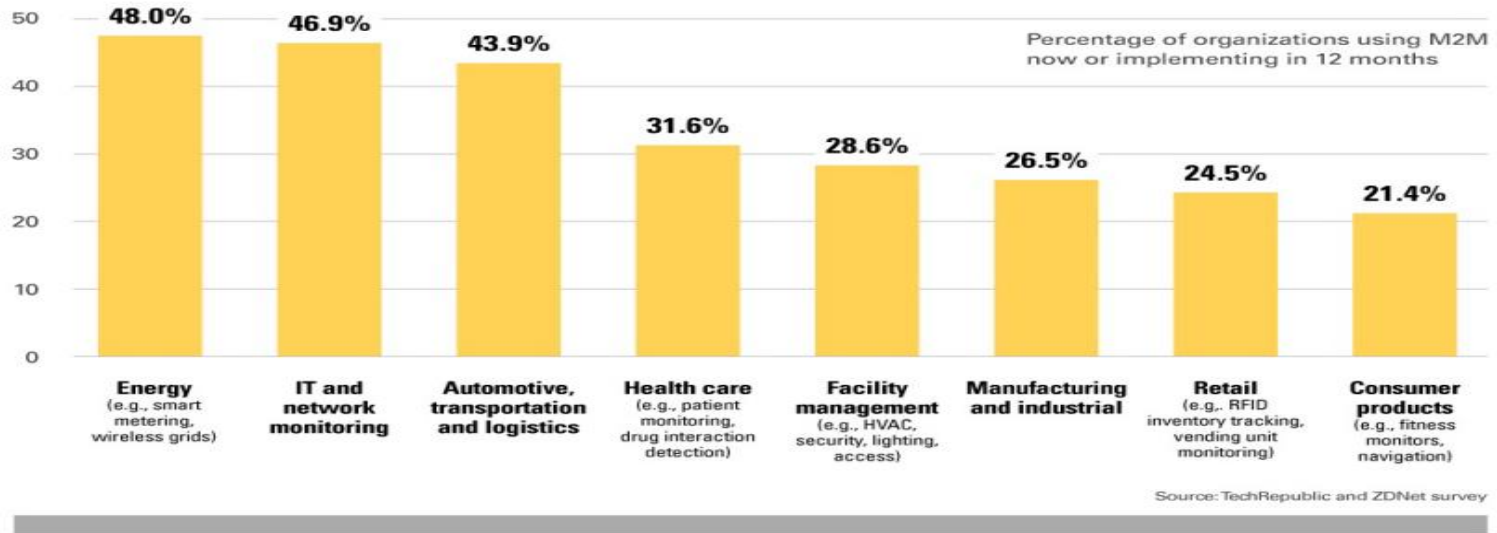


Source: [https://www.amsix.net/system/images/BAhbBlshOgZmSSJVMiAxMy8wNS8yMy8xM181OV80OV8zMFIMiAxMzA1MjJlQU1TX0lYX2luZm9ncmFwaGJlX0ludGVybmV0X29mX1RoaW5nc19maW5hbC5qcGcG0gZFYA/20130522%252520AMSIX\\_infographic%252520Internet%252520of%252520Things%252520final.jpg&w=350&h=260&ei=KYJ5UsynO8bNsOSQooD4Aw&zoom=1&ved=1t:3588r:29s:0i:177&iact=rc&page=2&ibnh=173&ibnw=234&start=28&ndsp=36&tx=66&ty=76](https://www.amsix.net/system/images/BAhbBlshOgZmSSJVMiAxMy8wNS8yMy8xM181OV80OV8zMFIMiAxMzA1MjJlQU1TX0lYX2luZm9ncmFwaGJlX0ludGVybmV0X29mX1RoaW5nc19maW5hbC5qcGcG0gZFYA/20130522%252520AMSIX_infographic%252520Internet%252520of%252520Things%252520final.jpg&w=350&h=260&ei=KYJ5UsynO8bNsOSQooD4Aw&zoom=1&ved=1t:3588r:29s:0i:177&iact=rc&page=2&ibnh=173&ibnw=234&start=28&ndsp=36&tx=66&ty=76)



M2M: an analytical data system that looks for emerging trends or the attainment of predetermined thresholds

### M2M technologies currently being used



Source: <http://fcw.com>, June 30, 2013