

Internet of Things & Industry 4.0

How IoT influences future of the industry?

What is Internet of Things?

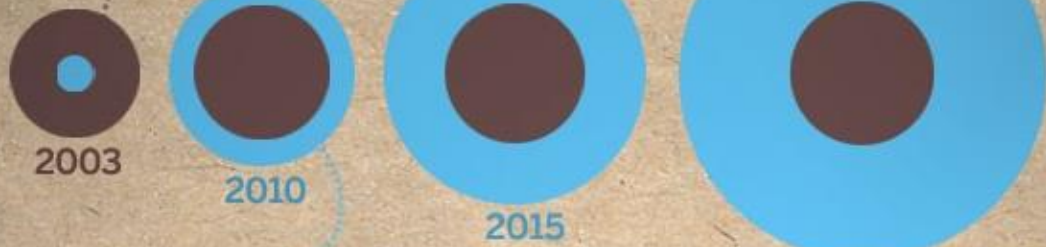
1) Internet of Things explained simply
(source: intel.com)

2) Life Simplified with Connected Devices
(source: The Connected Devices Laboratory
at Brigham Young University)

The INTERNET of THINGS



During 2008, the number of **things** connected to the Internet exceeded the number of **people** on earth.



By 2020 there will be **50 billion**.

These **things** are not just smartphones and tablets.

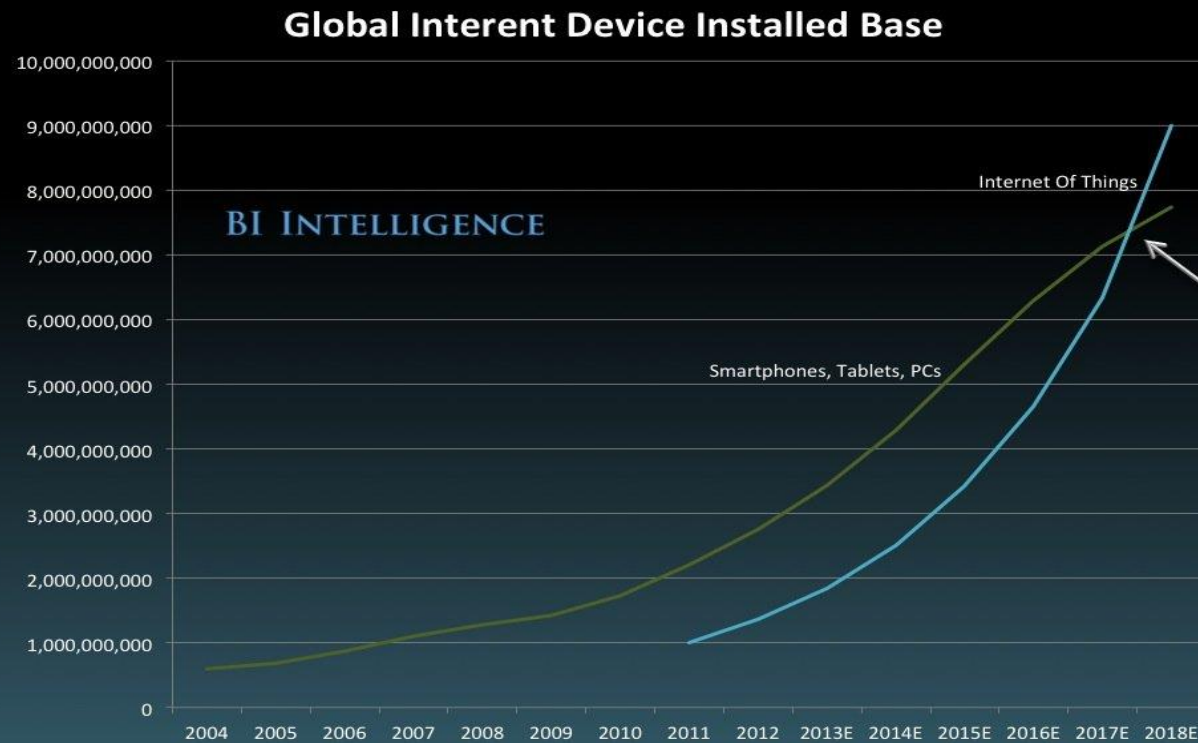
What are the numbers ?

\$19 trillion
in profits and cost savings

Source: Cisco Systems

More numbers ?

The 'Internet of Things' Alone Will Surpass The PC, Tablet, And Phone Market Combined By 2017!



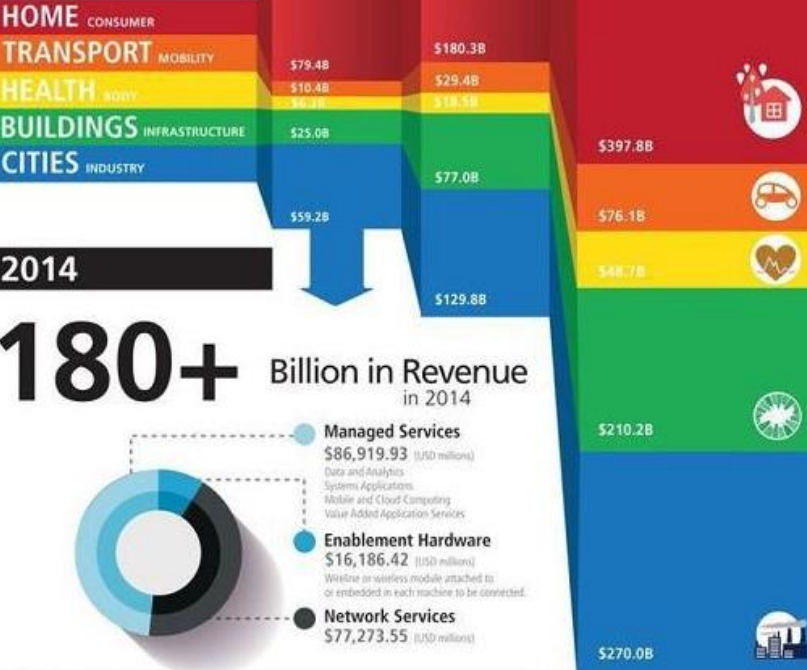
Source: BI Intelligence Estimates

BUSINESS
INSIDER

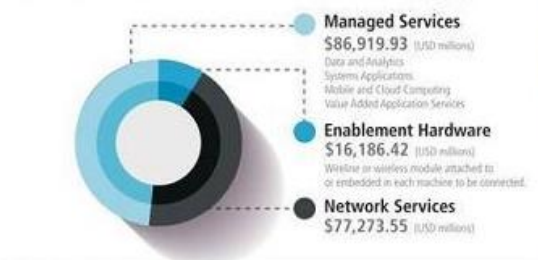
Source: Business Insider

SAGITON 
IMPLEMENTING IDEAS

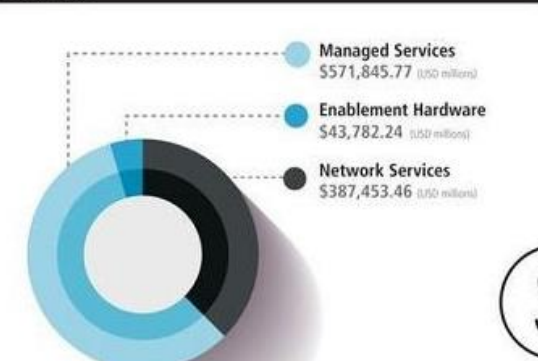
Revenue opportunities from the Internet of Things:



180+ Billion in Revenue in 2014



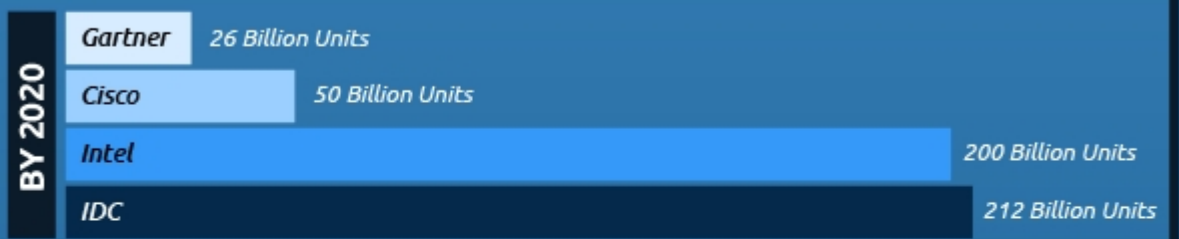
2020



By 2020 this opportunity will grow to more than **>\$1 Trillion**

More numbers?

BY 2020, HOW MANY DEVICES WILL EXIST?



- **Gartner says it will be 26 billion!**
<http://www.gartner.com/newsroom/id/2684616>
- **Intel says it will be 200 billion!**
<http://share.cisco.com/internet-of-things.html>
- **Cisco says it will be 50 billion!**
<http://share.cisco.com/internet-of-things.html>
- **IDC says 212 billion!**
<http://www.zdnet.com/internet-of-things-8-9-trillion-market-in-2020-212-billion-connected-things-7000021516/>

WHAT WILL THE MARKET SIZE BE?

\$8.90 TRILLION by 2020
- IDC

\$14.4 TRILLION by 2022
- Cisco



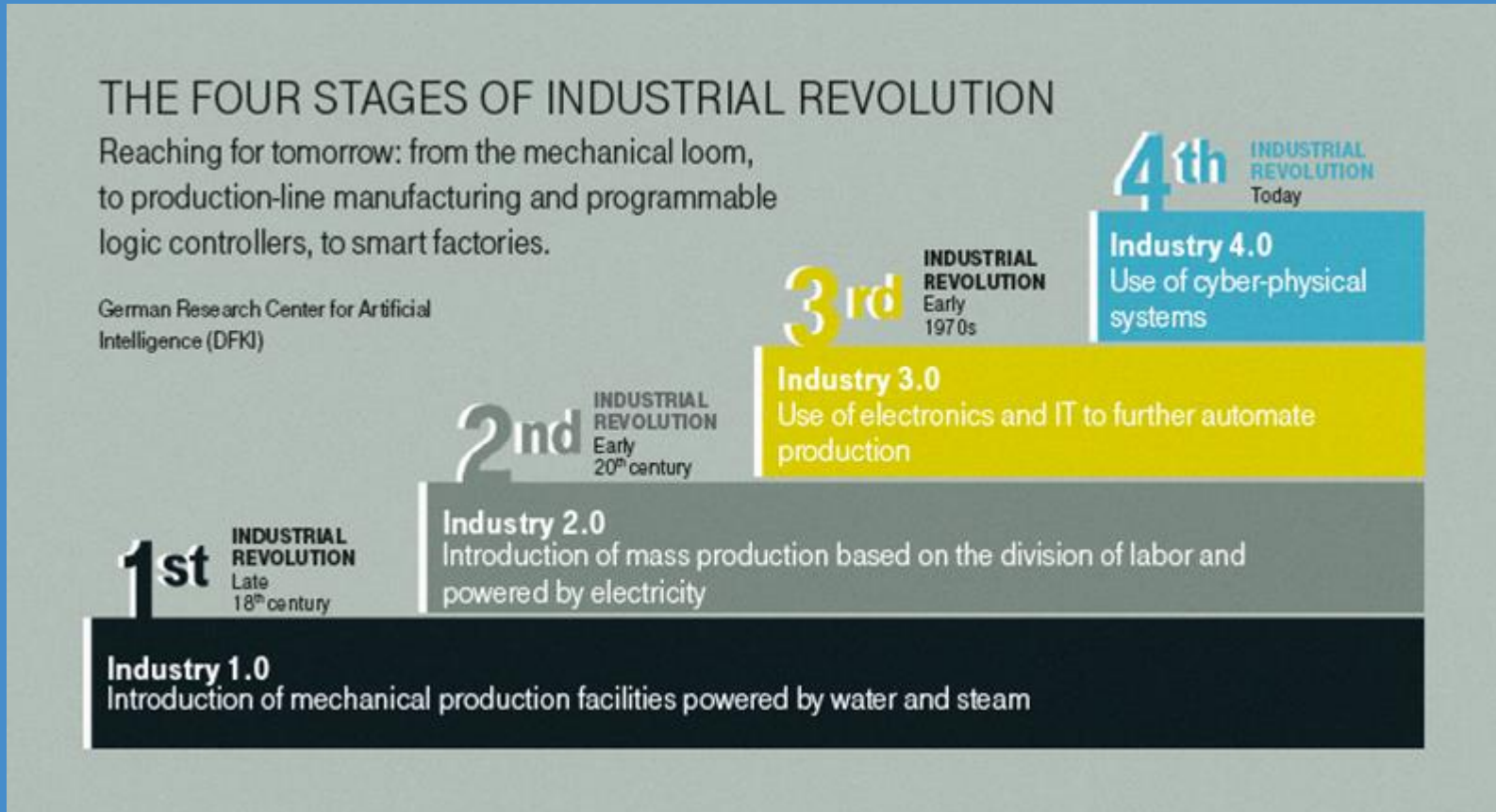
WHAT IS THE CONSUMER IMPACT?

- Convenience (thumbs up icon)
- Life Optimization (heart icon)
- Personal Data Collection (i icon)
- Efficiency (clock icon)

Source : Forbes

Source: <http://ignaciocm.com/>

History of Industrial revolutions

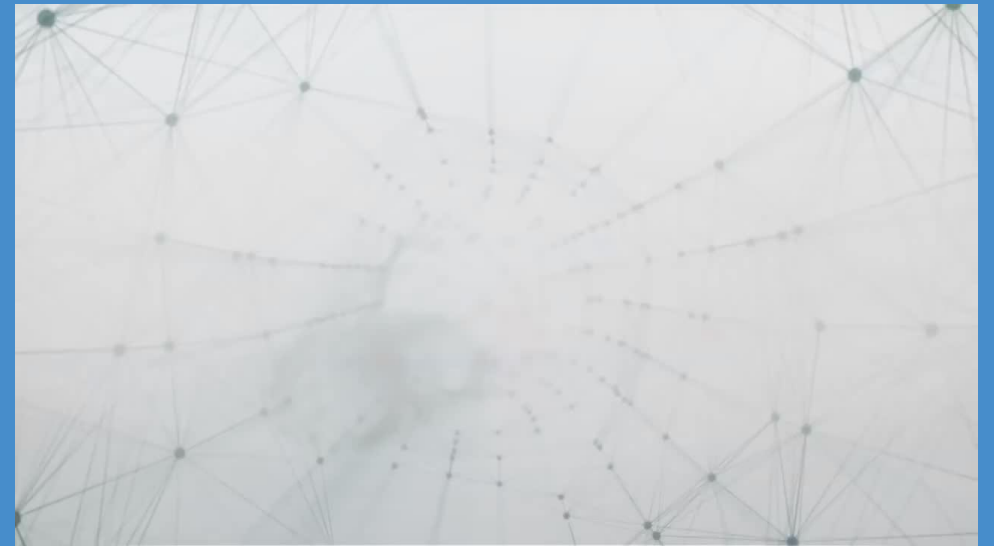


Source: T Systems

What is Industry 4.0?

1) "Industrie 4.0" - Bosch plant in
Blachach, Germany
(source: Bosch Global)

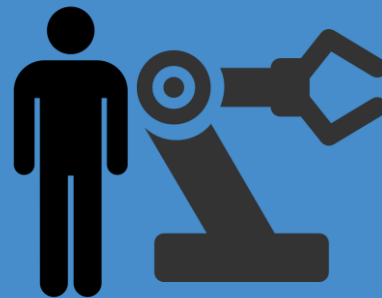
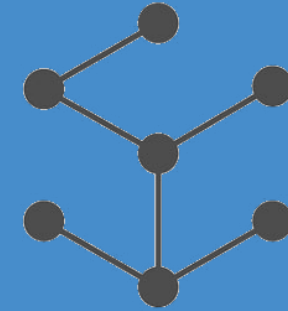
2) Industry 4.0 in the Volkswagen
Group
(source: Volkswagen Group)



Industry 4.0 principles



**Smart
Factory**



What are the numbers?

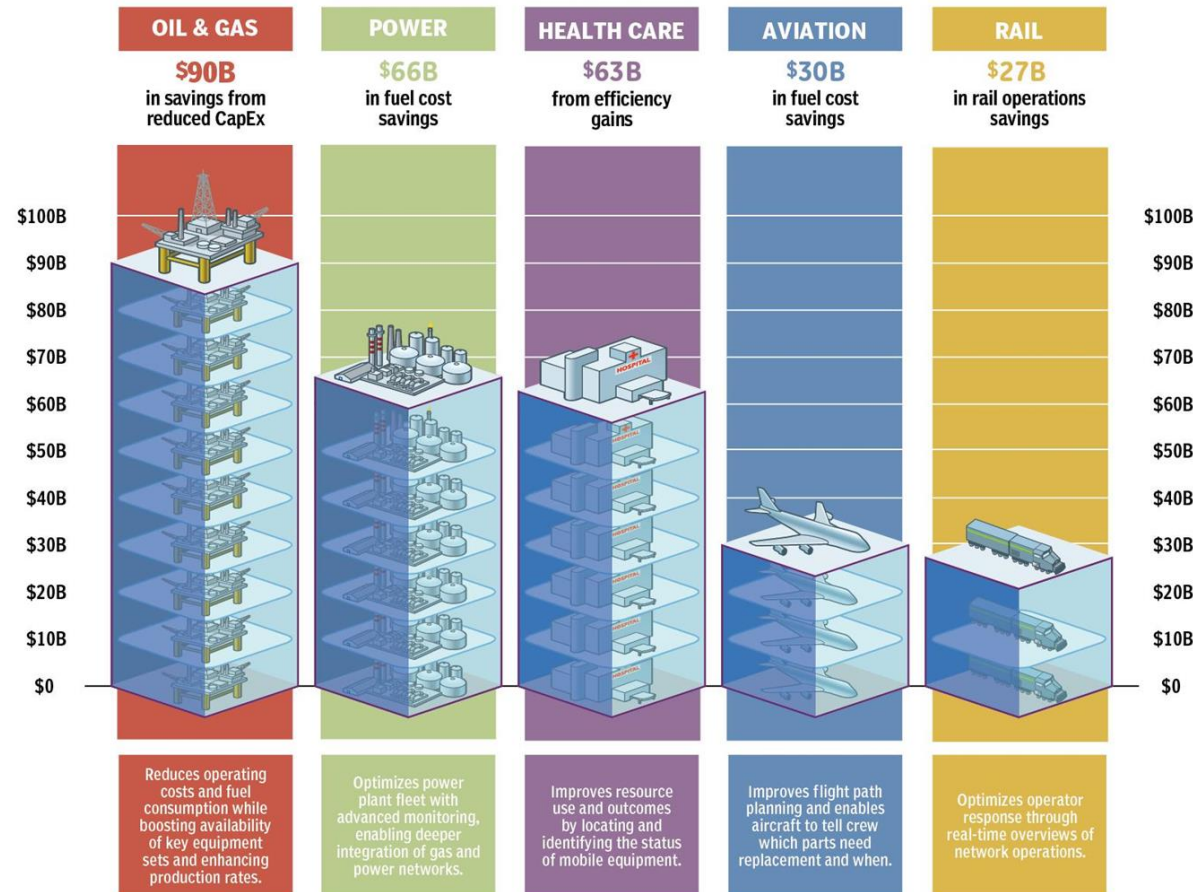


€200 million
for research

A JOINT VENTURE WITH GE

INDUSTRIAL INTERNET: THE POWER OF 1%

Efficiency gains as small as 1% could have sizable benefits over 15 years when scaled up across the economic system.



INDUSTRIAL INTERNET BENEFITS

SOURCE: GE ESTIMATES / POSTMEDIA

More numbers?

Source: General Electric

SAGITON 
IMPLEMENTING IDEAS

More numbers?

£100 billion

to UK startups for streamlining
processes

Source: Cisco Systems

\$200 billion

global market turnover by 2015

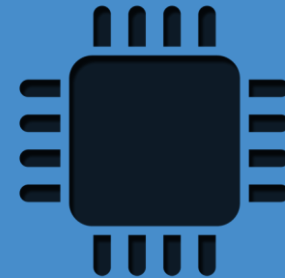
Source: Siemens

\$14.2 trillion

to world economy over 15 years

Source: Accenture – January 2015

Partnership



Questions and Answers



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