

>  
accenture digital

High performance. Delivered.

# Analytics, In the connected world

27<sup>th</sup> of October

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Strategy | Consulting | Digital | Technology | Operations



What is the most spoken language in the world

**a) bad english**

**b) bad spanish**

**c) data**



# 01 A BRAVE NEW WORLD

**industrial  
revolution**



**internet  
revolution**



**industrial  
internet**



CONNECTING PEOPLE CONNECTING THINGS





# Internet is playing a huge role transforming the world



**212B**

Sensors expected  
by 2020



**50B**

Devices expected  
by 2020



**4.2B**

People accessing 4G-LTE  
networks by 2020



**80%**

Fortune 1,000 could  
offer public APIs by end  
of 2014



**6.1B**

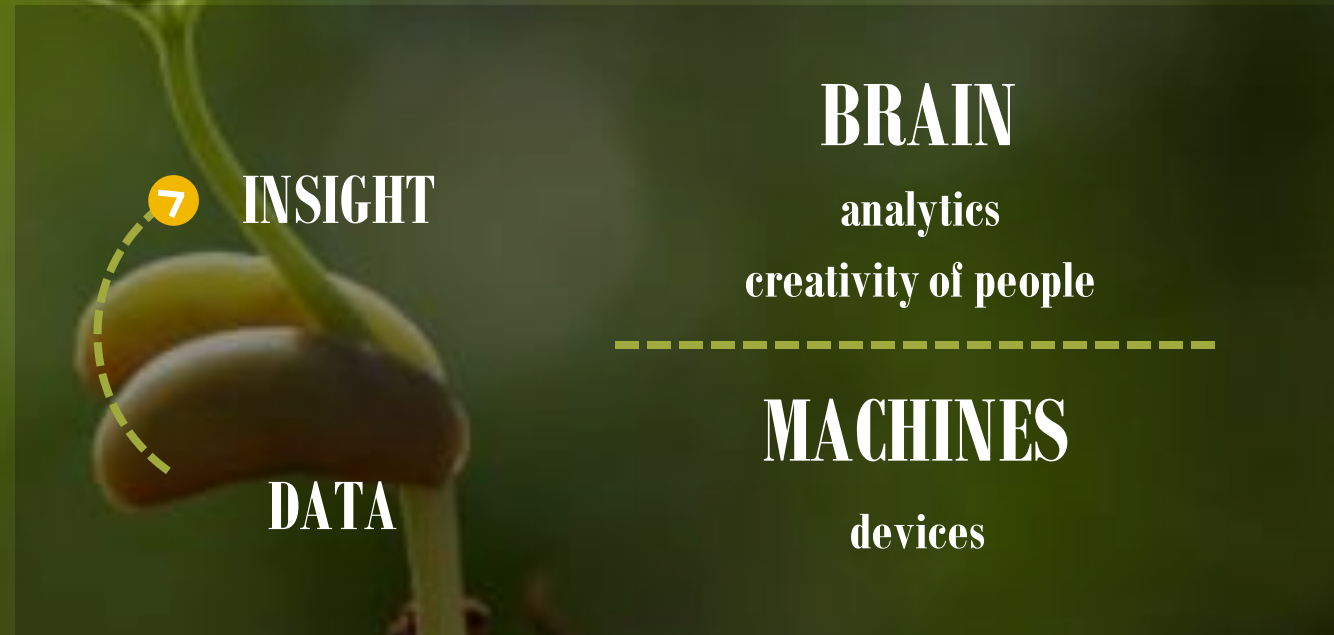
Total number of app  
users by 2020



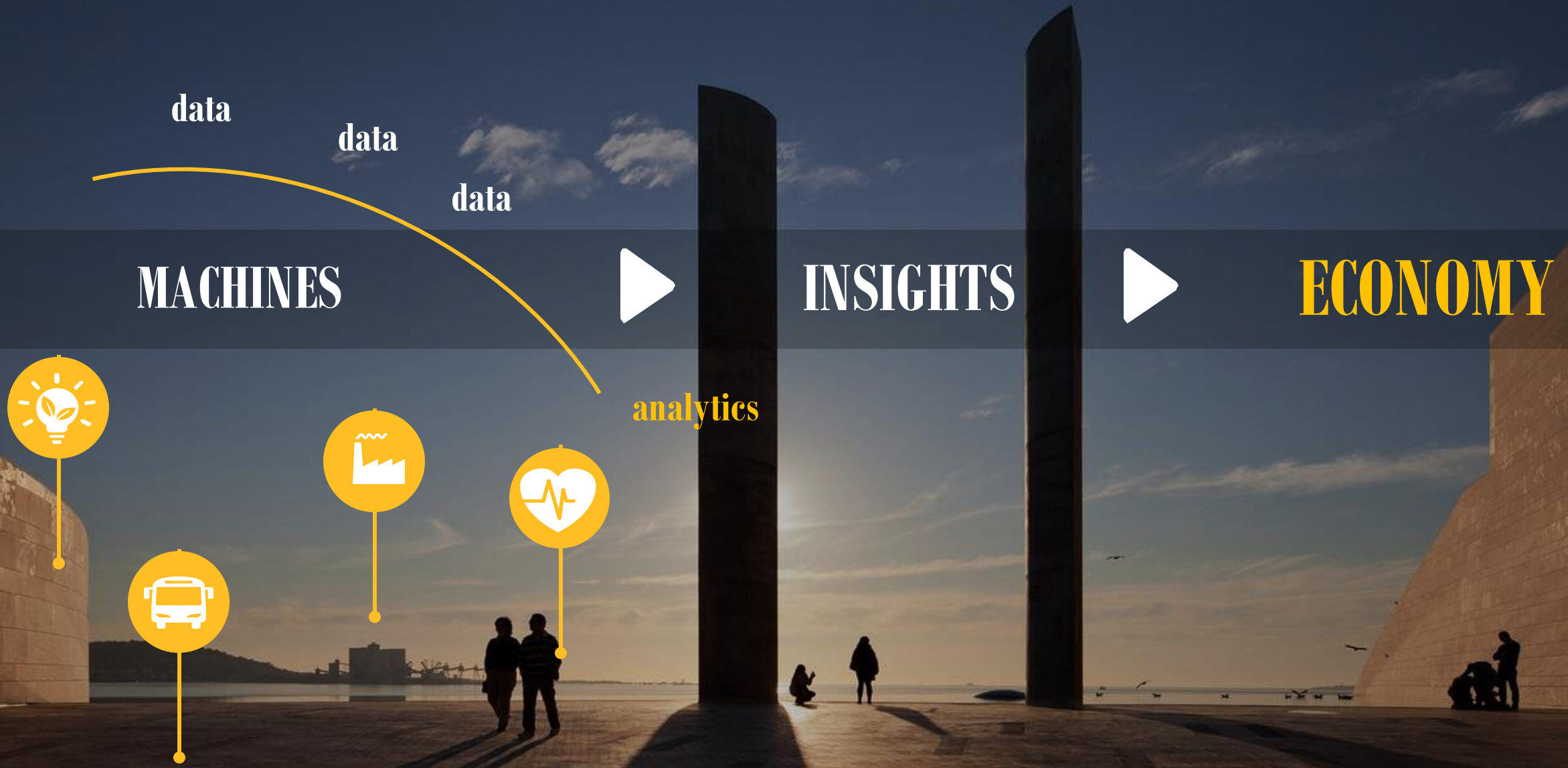
**31EB**

Mobile data traffic per  
month by 2020

# Generating new opportunities



# Data is moving out from machines to the world





# IoT

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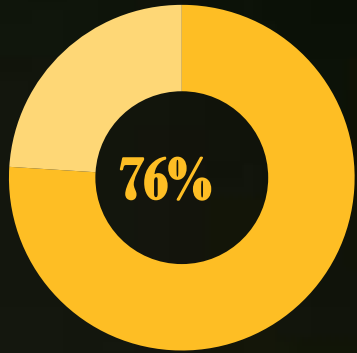
**NETWORK**

**DEVICE-ANALYTICS**

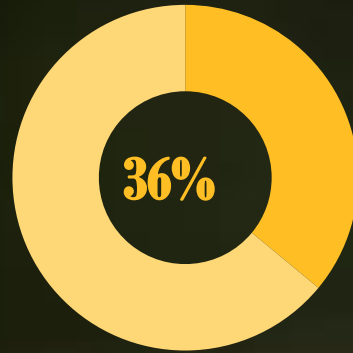
**Combine several binomials**

**network of physical objects that are  
connected to the internet allowing  
them to send, receive and exchange  
data**

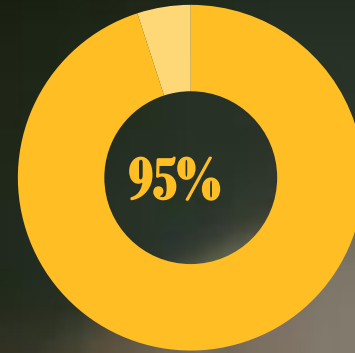
# IoT will have a dramatic impact on the world and our business, in the next 3 years



of executives worldwide are  
exploring IoT today



have IoT initiatives in pilot or  
production



expect their company to use  
IoT





# Why now

availability of resources

digital need

**HIGH**

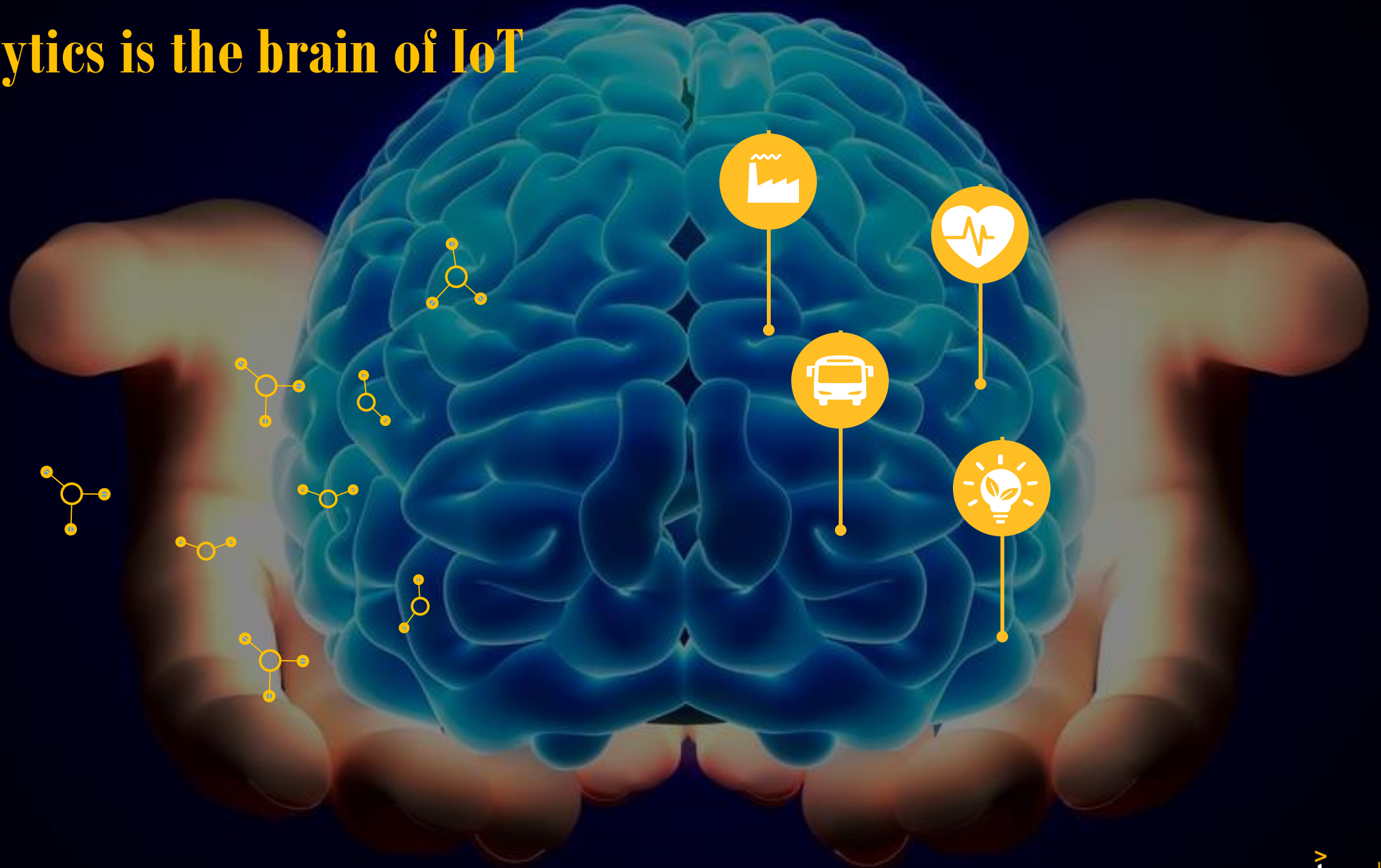
level of techn difficulty

cost

**LOW**

## 02 WHAT IS THE ROLE OF ANALYTICS?

# Analytics is the brain of IoT



# Accenture Analytics

Part of Accenture Digital



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**Providing to our living environments the capability to actively learn about us**



**Intelligent Enterprise**



**Living Services**

# Where machines are an active part of the world around us

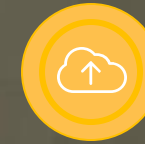
Everything is  
**instrumented**



People are in **control**



Industrial infrastructure  
**is connected**



Ubiquitous analytics  
at the edge and on  
the cloud



People are not in  
**the loop**



**resilience  
& security** IT architected



# Where our living environments actively learn about us

Everyone/everything  
is **instrumented**

**Proximate to us**, in  
our environment  
(wearables, nearables)

**Automate** low maintenance  
actions  
and decisions



Powered by **data**  
and **analytics**

Consumers are always  
in **the loop**

**Design around user**  
intent, context and attitudes

# 03 WHO'S DOING IT RIGHT?

# WAZE

The value of IoT is in turning  
raw data into simple,  
actionable information



**70M**

drivers on Waze

**+80M hours of time**

in traffic saved per year

**Citizen alerts**

from city agencies

**Pothole**

reporting

**Distribution of**

traffic-control personnel

# RIO TINTO MINE OF THE FUTURE™:

The value of IoT is in driving productivity, remote operations and autonomy

Remote Operations Center



**400**  
operators

**31**  
pits

**15**  
mines

**4**  
Port terminals

**1600 km**  
rail network

# THAMES WATER

Combine analytics with machines and move to a Smart operating model to overcome challenges in OPEX efficiencies and risk



**£ 68.5 m**

OPEX savings

**10%**

Low pressure incidents

**Commercial benefits of  
outage compliance**

**£ 20 m**

CAPEX savings

**50**

Pollution events

**Near real-time field and  
customer response  
capability**

# BARCELONA SMART CITY

The value of IoT is use data to turn the city more efficient increasing cost savings

**\$ 50 M/year**

smart parking

**\$37 M/year**

smart lights

**\$58 M/year**

smart garden

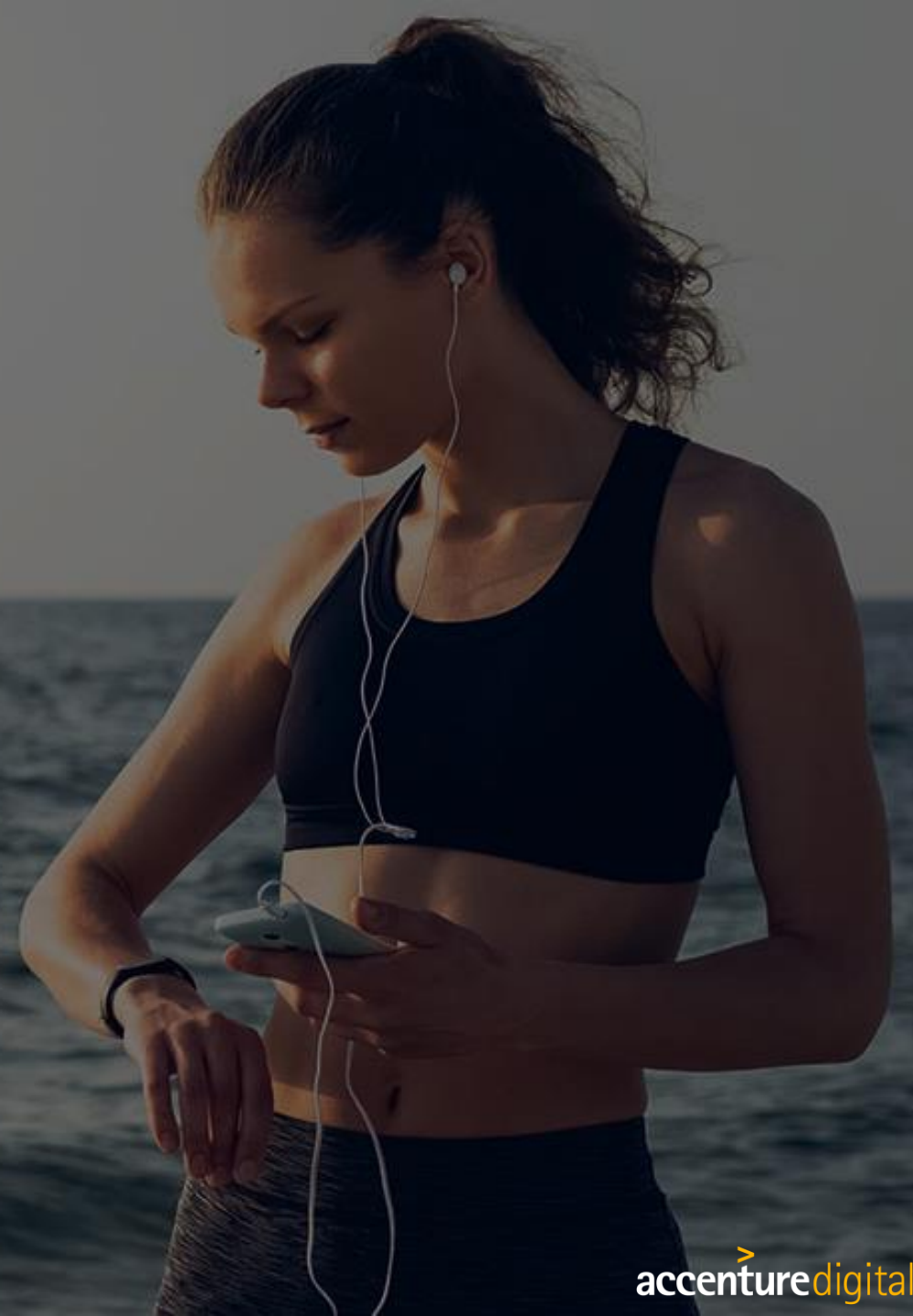


# KEY TAKEAWAYS

IoT is no longer a buzzword

The truth is out there

Analytics will let you reach it





## ABOUT ACCENTURE

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions — underpinned by the world's largest delivery network — Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With more than 358,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at [www.accenture.com](http://www.accenture.com)

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