

THE STATE OF INNOVATION

Innovations & Imperatives

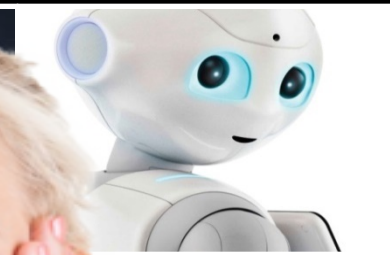




MOBILE



WEARABLES



ROBOTICS



BIG DATA



AUGMENTED REALITY



VIRTUAL REALITY



ARTIFICIAL INTELLIGENCE

Permanent Revolution, Digital Acceleration And Constant Learning Curves!

**GREATER
Number Of Tech**

**Quicker
Cycles Of Change**

**LOWER
Costs Of Entry**

**FASTER
Rates Of Adoption**

**Interdependent
Innovations**

#1

THE RISE OF THE “OUTERNET”



#3

THE INTELLIGENT ENTERPRISE

4

**Innovations
& Imperatives**

#2

THE CoBOTS SET US FREE



#4

THE WEB'S SECOND ACT

Question:

**Digital Has Powered Computers,
The Web, And Mobile ...**

What Is Digital's NEXT Frontier?



1

**Mega-
Trend**



The Rise Of The “Outernet”

Digital's Next Frontier Is The Physical World!

From Smartphones ... To Smart EVERYTHING

The Last 10 Years: Mobile



Connecting PEOPLE

The Next 10 Years: IoT



Connecting THINGS

**Taking The Smarts Out Of Smartphones ...
And Placing Them Into Everything Else**



IoT: Digitizing The Physical World

A Physical Ecosystem Of Connected Objects, Products, And Places

SMART PARKING



FRICTION-FREE EXPERIENCES



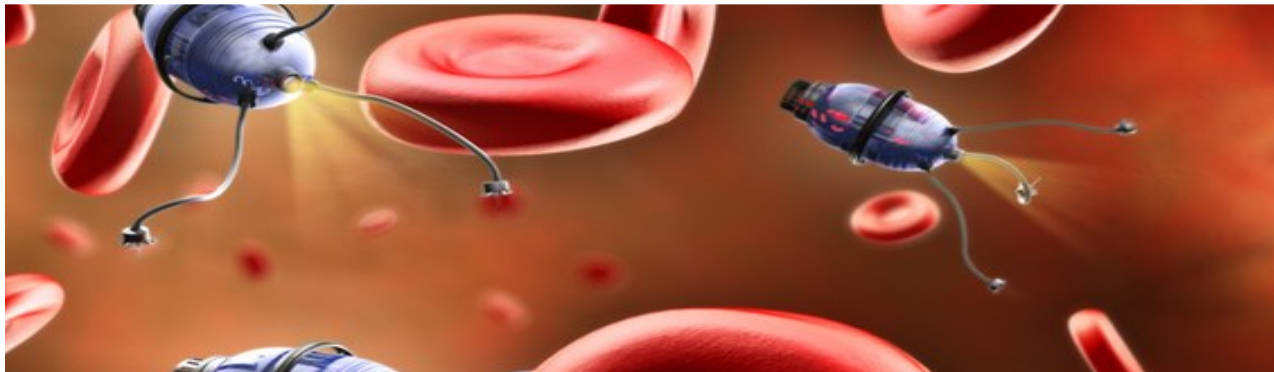
SMART CITIES



SMART AGRICULTURE



In Which Place Will Sensors Benefit Us The MOST?



BioSensors: Tiny Internal Sensors Caring For Us—Preventing Disease & Illness

**In The Future:
Any Object That Is Not Responsive, Not Connected, Or Not Smart:**



**Will Be Considered...
Broken!**

! — Action Point

#1 The Rise Of The “Outernet”



**Re-imagine & Re-instrument
Your Products Into Connected Solutions ...
With An Emphasis On The Data Points They Can Track**

Innovation Imperative

Question:

Of All The Concerns On Emerging Tech, What Is The #1 FEAR?



Killer Robots!



Evil AIs!



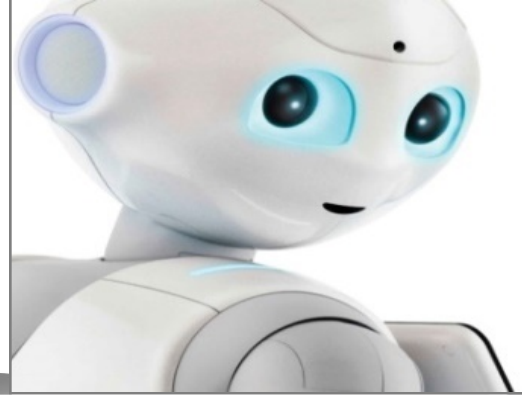
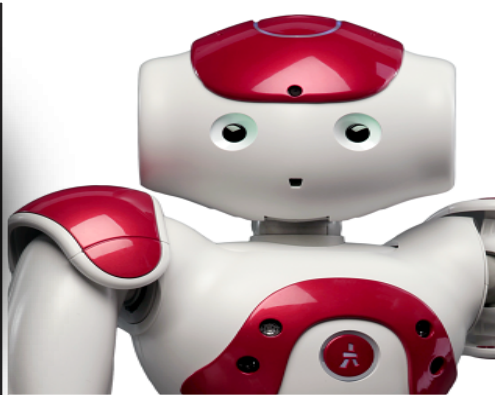
Jobless Futures!



Tech Replacing Our Jobs—And Our Value!

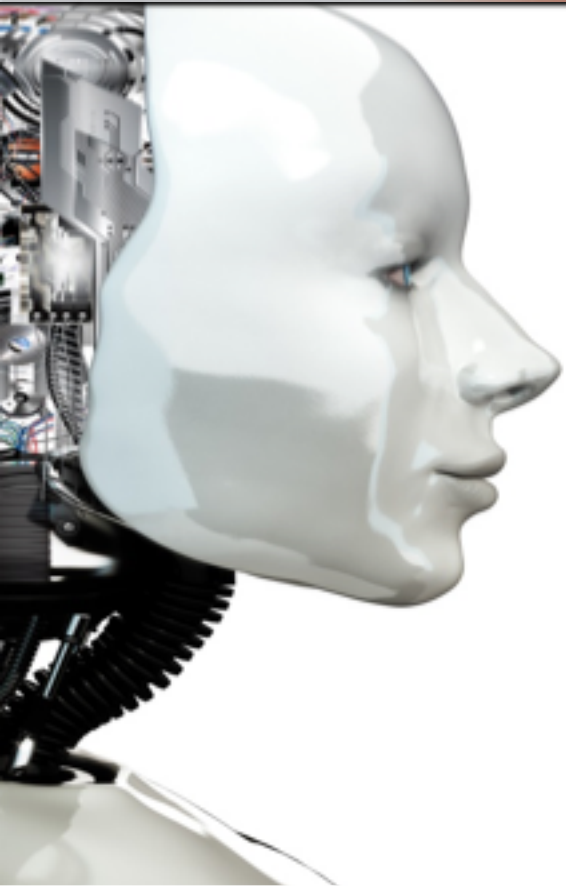
2

**Mega-
Trend**



The CoBots Set Us Free

A New Model Of Man-And-Machine Collaboration



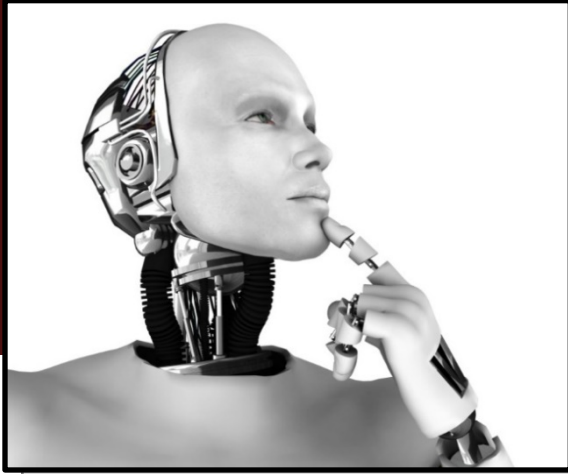
**When Smart
Machines Do
What They
Do Best...**

**People Are
Liberated To Do
What They Do Best**



CoBots: Collaborative Robots

Man-And-Machine Collaboration (Not Competition!)



Robots are better than humans at crunching numbers, lifting heavy objects, in certain contexts, moving with precision.

Robots will help humans by assisting them with tasks and data to support decisions.



Humans are better than robots at the application of experience and expertise to critical business decisions and practices.

Top human skills include creative thinking, experimentation, collaboration, empathy, data analysis, and strategy development.

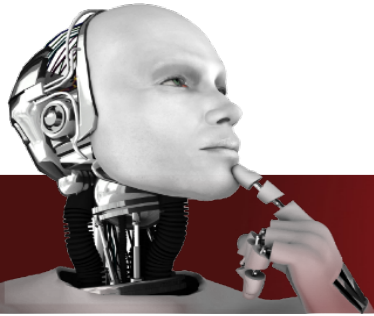
**Time Spent On Administrative
Coordination & Control:**

54%

**Time Spent On
Strategy & Innovation:**

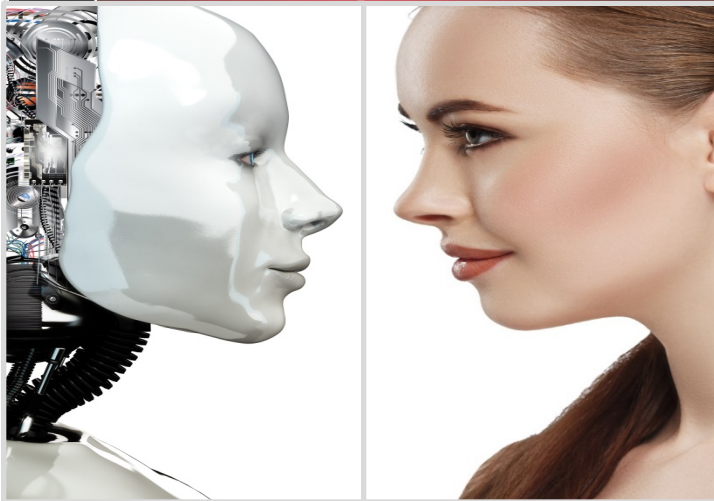
10%

Accenture Survey



What If Intelligent Automation Gave You Time Back?

#2 The CoBots Set Us Free



**Identify 25% Of Current Tasks (Not Roles)
That Can Be Automated So As To Free Up
Human Talents To Focus On Adding Business Value**

Innovation Imperative

**Action
Point**

3

**Mega-
Trend**



The Intelligent Enterprise

From The Information Age To The Intelligence Era

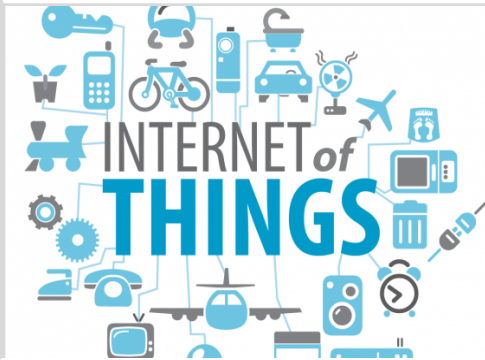


**Capture The
Invisible
(Data)**

**Predict The
Unknowable
(AI)**



**Digitize The
Physical
(IOT)**



The Real-Time, Know-It-All, Data-Driven Enterprise





**What Is The
Most Compelling
Reason That
21st Century
Businesses Will
Have To Adopt
IoT, Big Data & AI?**





**21st Century Businesses
Live And Die By
The Decisions
They Make ... And How
Quickly They Act.**

**IoT, Big Data & AI
Drive Better Decisions**



The Issues, Opportunities, And Stakes Are MUCH Higher—And Highly Complex

Predicting Risk In Financial Markets

Anticipating Customer Behavior

Competing Globally

Thwarting Terrorism

Managing Traffic

Optimizing Supply Chains

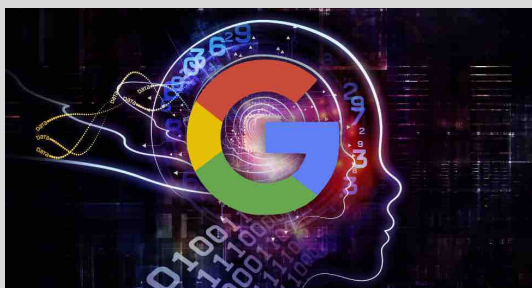
Climate Change

Personalizing Medicine

Treating Chronic Diseases

Ending Extreme Poverty

Preventing Pandemics



ALPHABET/GOOGLE



AMAZON



Siri

APPLE

Which AI Players (s) Are Missing?

facebook.



FACEBOOK



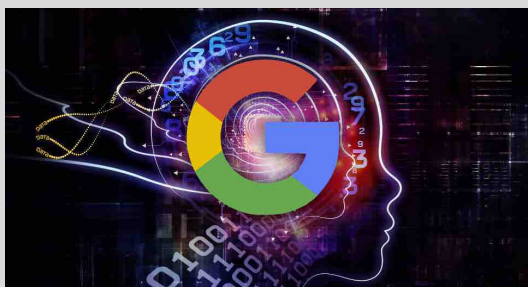
IBM Watson

IBM



I'm Cortana.

MICROSOFT



ALPHABET/GOOGLE



AMAZON



Siri

APPLE

CHINA



(And Russia, Too)

facebook.



FACEBOOK



IBM



I'm Cortana.

MICROSOFT

#3

The Intelligent Enterprise



**Create A Roadmap Of The Technologies, Data,
And Resources Needed To Transform Your
Company Into A Real-Time, Know-It-All Enterprise**

Innovation Imperative

**Action
Point**

4

**Mega-
Trend**



The Web's Second Act

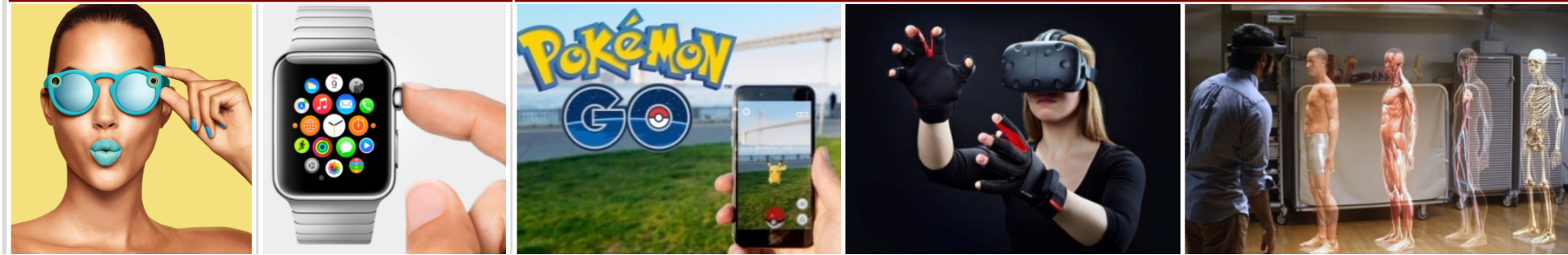
From The Web's Old Guard ... To The New Digital Order

DEVICES:
From Portable To WEARABLE

AR: Augmented Reality

PLATFORMS: From Textual To VISUAL
| **VR: Virtual Reality** |

MR: Mixed Reality



The Web Will Change More Over The Next 5 Years Than The Past 25 Years



**INTERFACES: From Typing & Tapping
To CONVERSATIONAL**

**NAVIGATION: From Manual
To GESTURAL**

**CONTENT: From Generic To
PERSONAL & CONTEXTUAL**

**TECH: From Centralized
To DISTRIBUTED**



Blockchains:

Built upon distributed databases, or ledgers, that maintain a continuously growing list of records and transactions that hold vast applications, solve current issues, and remove limitations

More Secure



Infinitely More Secure, Transparent, Traceable, & Immutable

Internet Of "Value"



Enable Value To Be Exchanged As Quickly As We Access Information

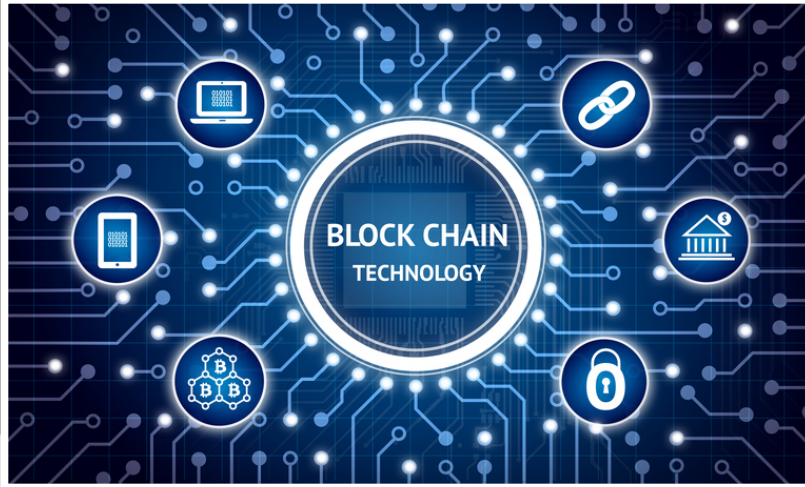
Smart Contracts



Power "Smart" Contracts That Are Fully Automated & Self Execute

#4

The Web's Second Act



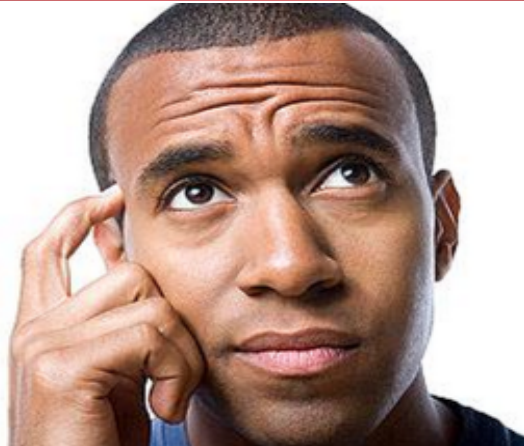
**Identify The Various Applications
For DLT/Blockchain Tech In Your
Company And Initiate Pilots**

Innovation Imperative

**Action
Point**

QUESTION:

**What Is The BIGGEST Change
Coming To The Web Over The Next 5 Years?**





Connecting The Next **BILLION**

2018: 51% Online

2023: 80% Online

2030: 100% Online

Billions Come Online

WW Population: 7.6 Billion (2018)

#1

THE RISE OF THE “OUTERNET”



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THE INTELLIGENT ENTERPRISE

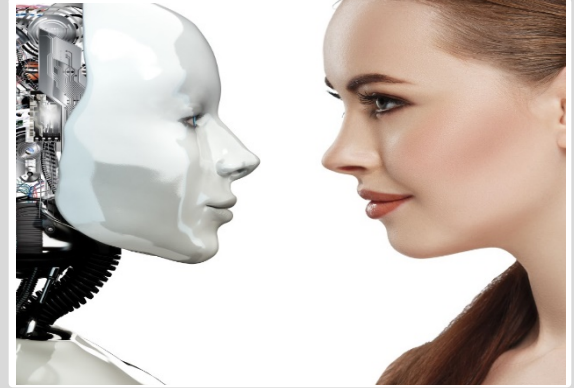


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**Innovations
& Imperatives**

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THE CoBOTS SET US FREE



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THE WEB'S SECOND ACT





TYVM!
Thank You Very Much ■

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