

Digital Singularity Innovation Reborn

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AVASANT



Digital Singularity will
unleash artificial
intelligence that will grow
at an exponential rate,
and ultimately surpass
humanity

Digital Singularity will free
humankind to achieve
greatness and reach our
true potential



Digital Singularity

The point where
technological
omnipresence
and human
experience
converge.



Humanities Relationship with Technology through the Ages

Digital Singularity: The New Human Renaissance

Master/Slave

Symbiosis

Singularity



Success determined by resource control.

Stone Age

Plow and early tools begin to disrupt labor, but free humankind to develop and advance.

Technology is still external to us . . . It is a "thing."



Automation speeds human advancement and mass consumption.

Industrial Age

Introduction of automation further drives the Master/Slave relationship with technology.



Technology becomes a physical extension of humanity.

Information Age

Shift from traditional industries to economy based on information and data.



Rapid adoption of disruptive technologies begin.

Digital Age

Opportunity for people to reinvent themselves in the face of despair and uncertainty.



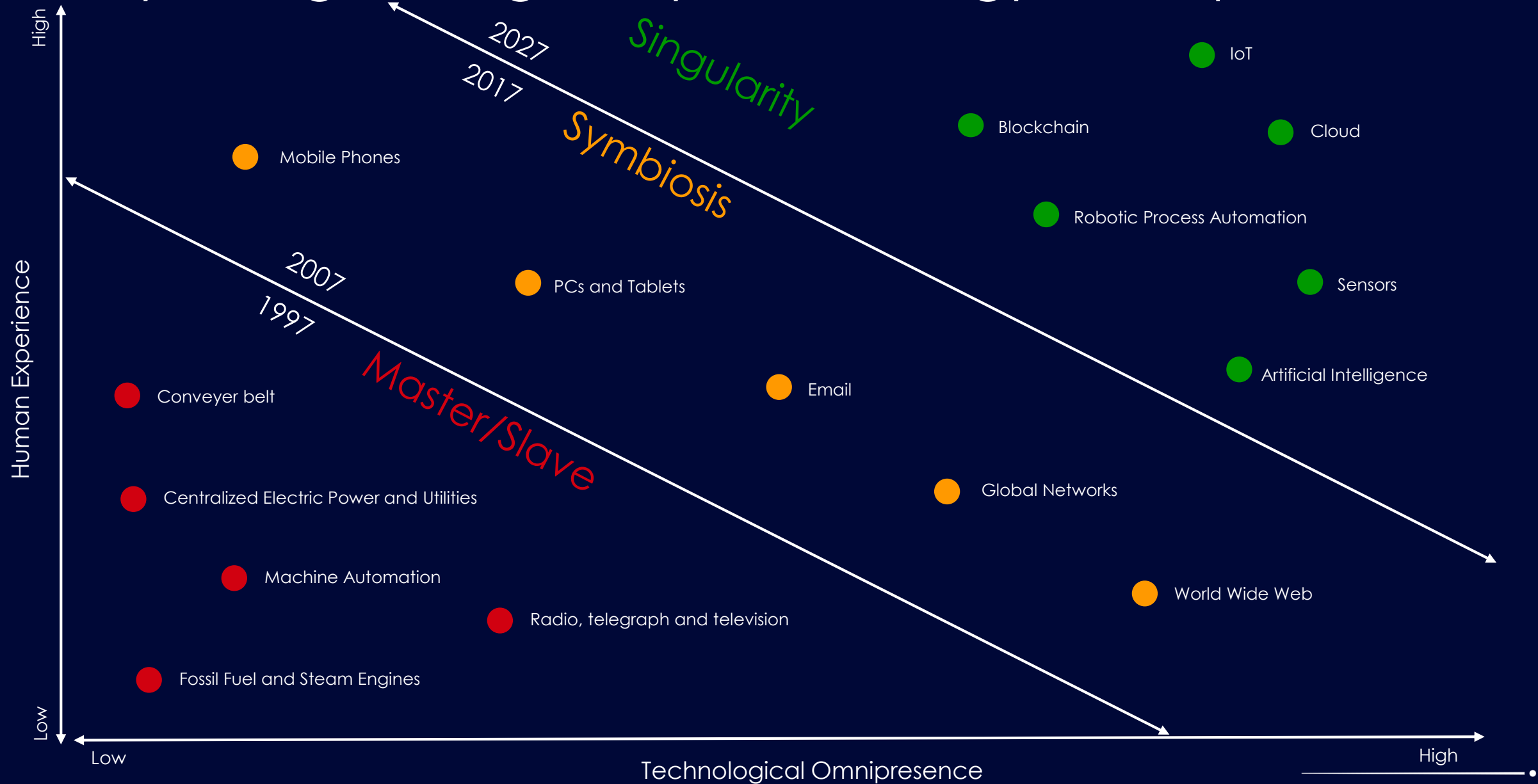
Technology is ubiquitous. It is everywhere.

Digital Singularity

Gift of more free time and innovation is born again. With additional time people can innovate and create new realities.

The New Human Renaissance

Journey to Digital Singularity: Technology Prerequisites



The Four Indicators of Digital Singularity

Hyper-Convergence

Digital Moments

Digital Twins

Augmented Reality



Digital Singularity Achieved

Avasant RadarView™

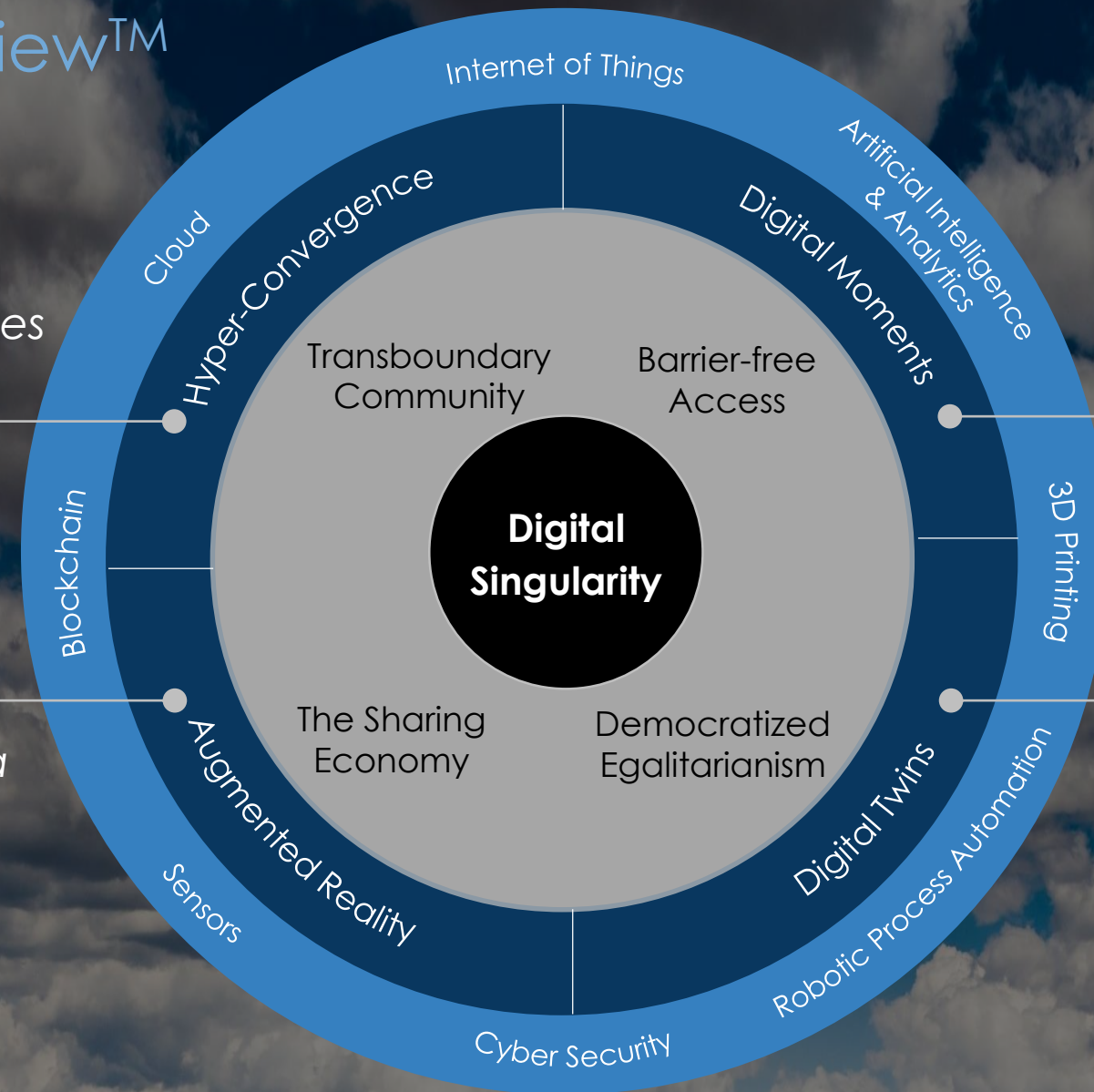
Bringing multiple technologies to create something new

Multi-sensory, real-time data that enhances experiences

- Technology Prerequisites
- Four Pillars of Digital Singularity
- Rules of the New Economy

A transaction within a transaction

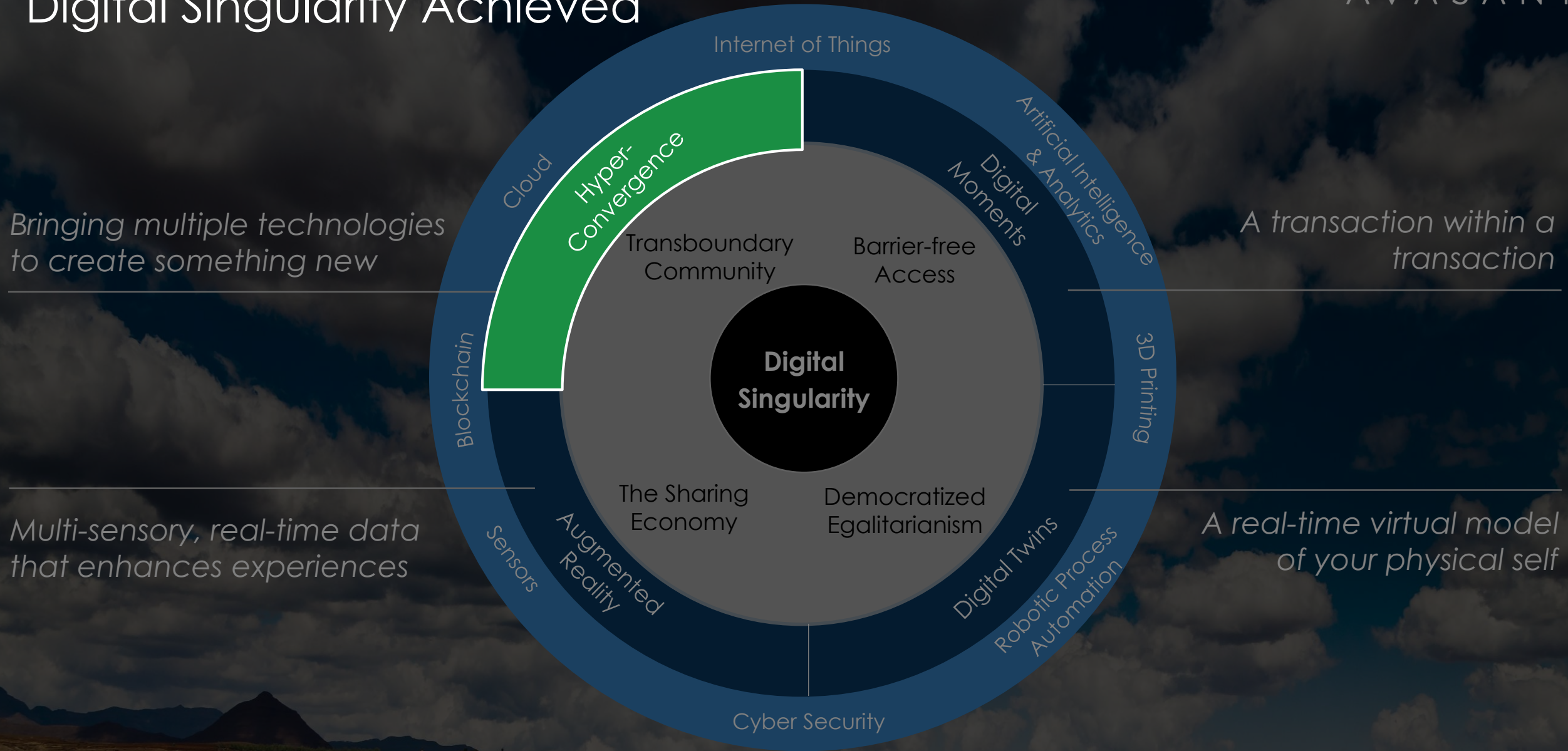
A real-time virtual model of your physical self



How will we live and work in this Digital Singularity?

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Digital Singularity Achieved



How will we live and work in this Digital Singularity?

Hyper-Convergence

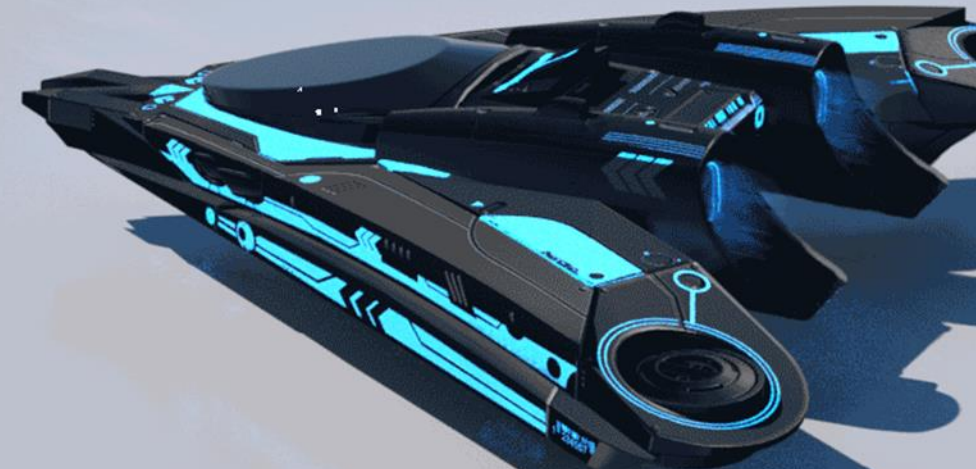
The concept of bringing two or more independent technologies to create something with a whole new purpose and function.

87%

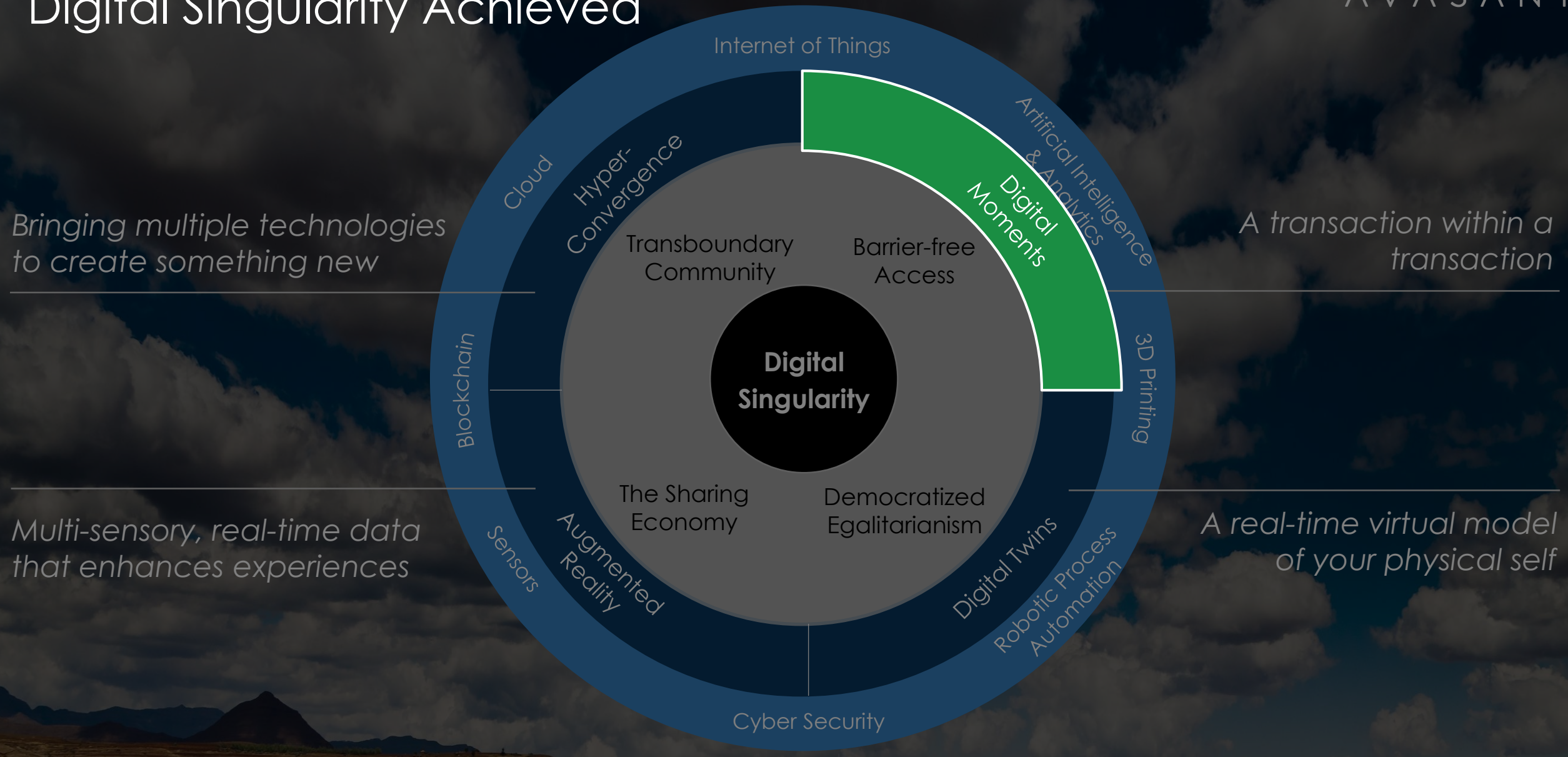
Millennials love their Smartphones – 'Smartphone Never Leaves My Side'

46%

Millennials expect vehicle technology to do everything a smartphone can



Digital Singularity Achieved

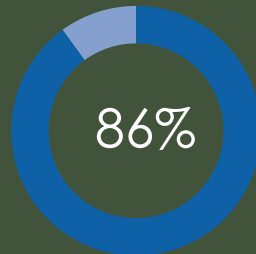


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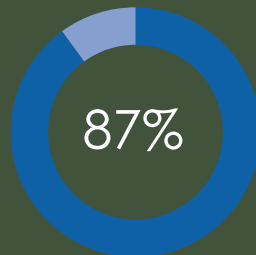
Digital Moments

A transaction within a transaction. Digital Moments can happen anywhere, in the background, and simultaneously with other activities.

Retail sales are influenced by Digital interactions



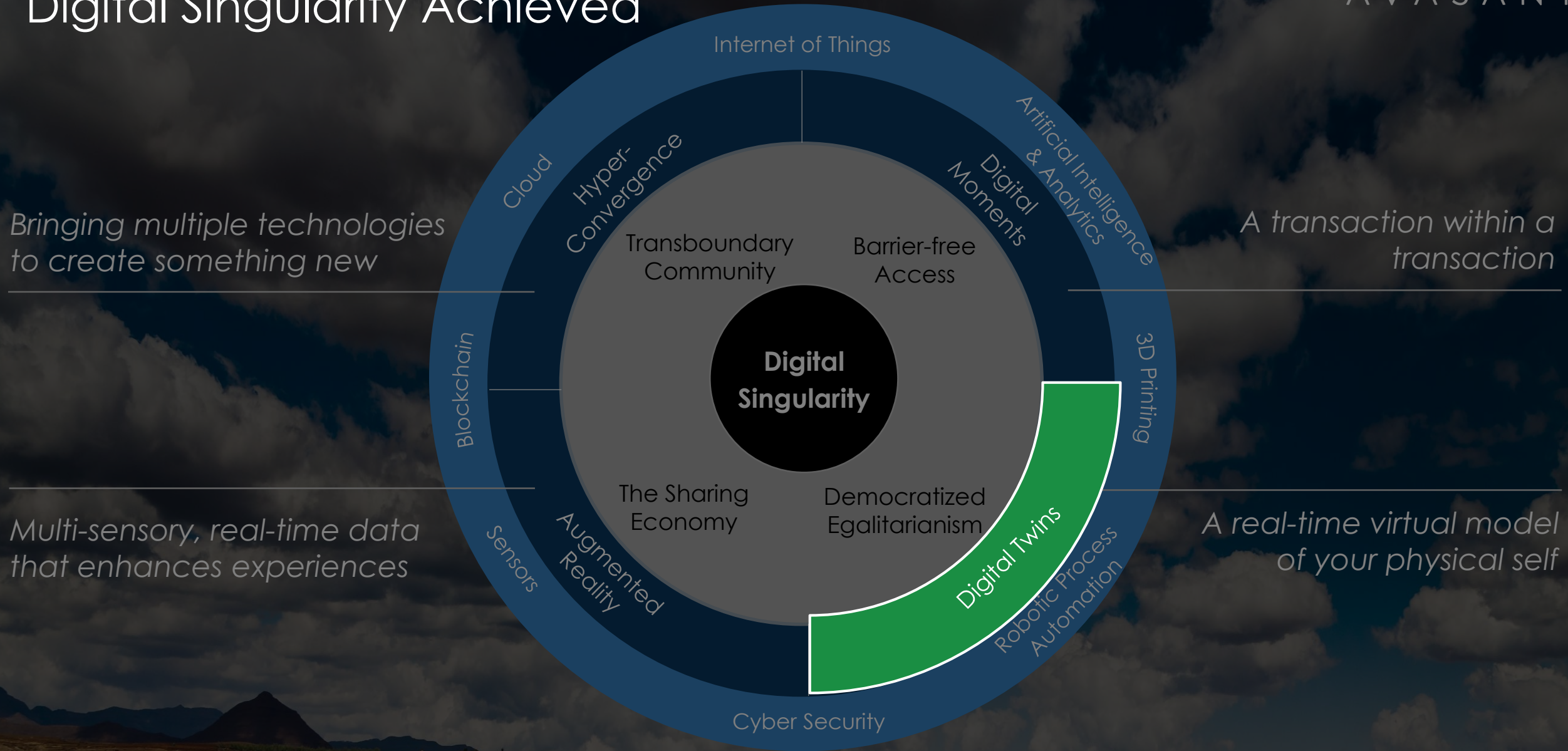
Growth in number of marketing technology companies between 2015 and 2016



Interactive 'Live Pause' with 360 degree view and customized offers on screen
Convergence of content, services, and product over interface (TV)

Digital Singularity Achieved

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How will we live and work in this Digital Singularity?

Digital Twins

A real-time virtual model of your physical self that is transacting and acting on your behalf through automation without rest.

2.5

Quintillion bytes of data generated everyday

95%

US Individuals whose location is known via mobile phones

100x

Growth in personal data points per person

Digital Twins



Relationship
Management



Financial
Management



Security
Management



Social Communities



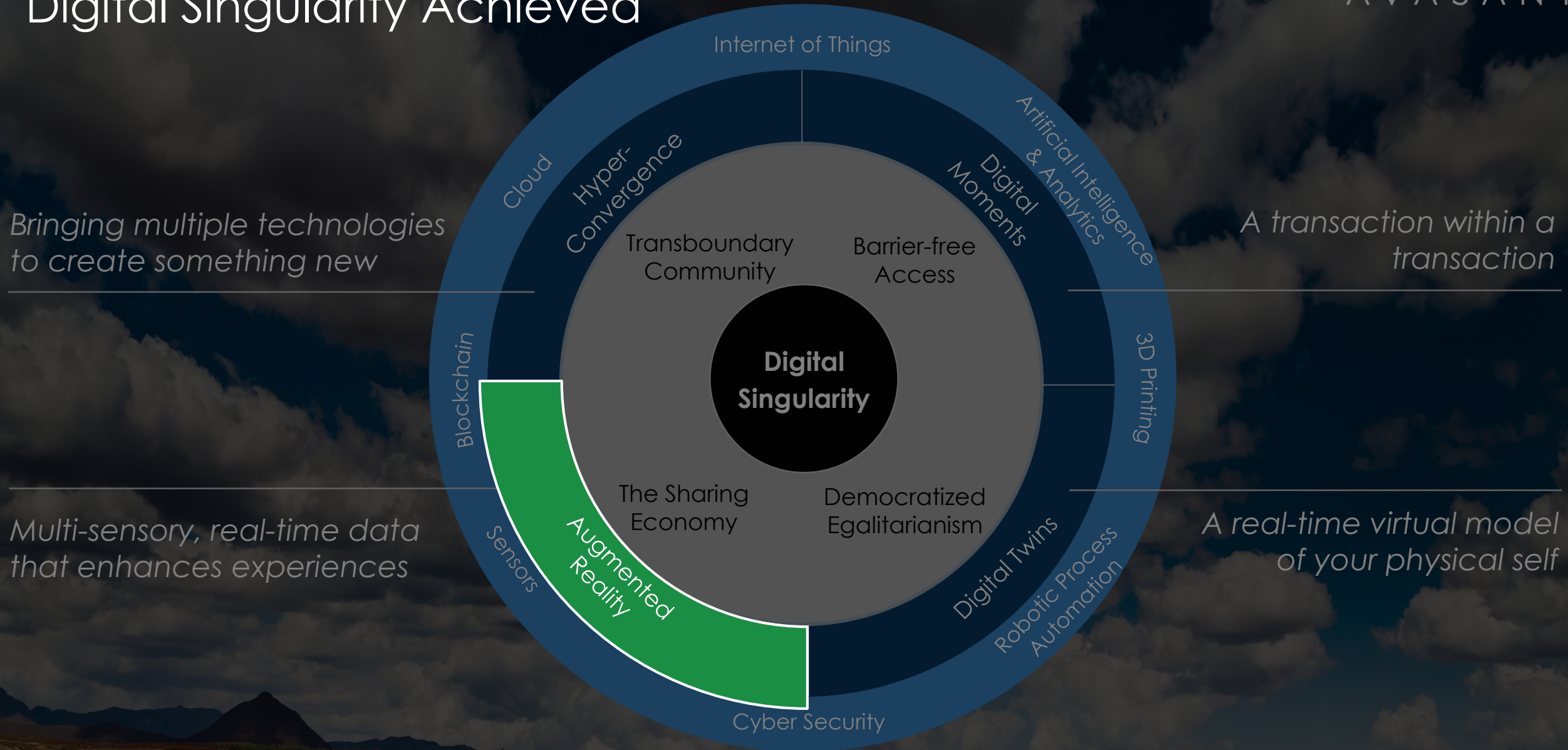
Work and School
Life



Purchasing
Transactions

Digital Singularity Achieved

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How will we live and work in this Digital Singularity?

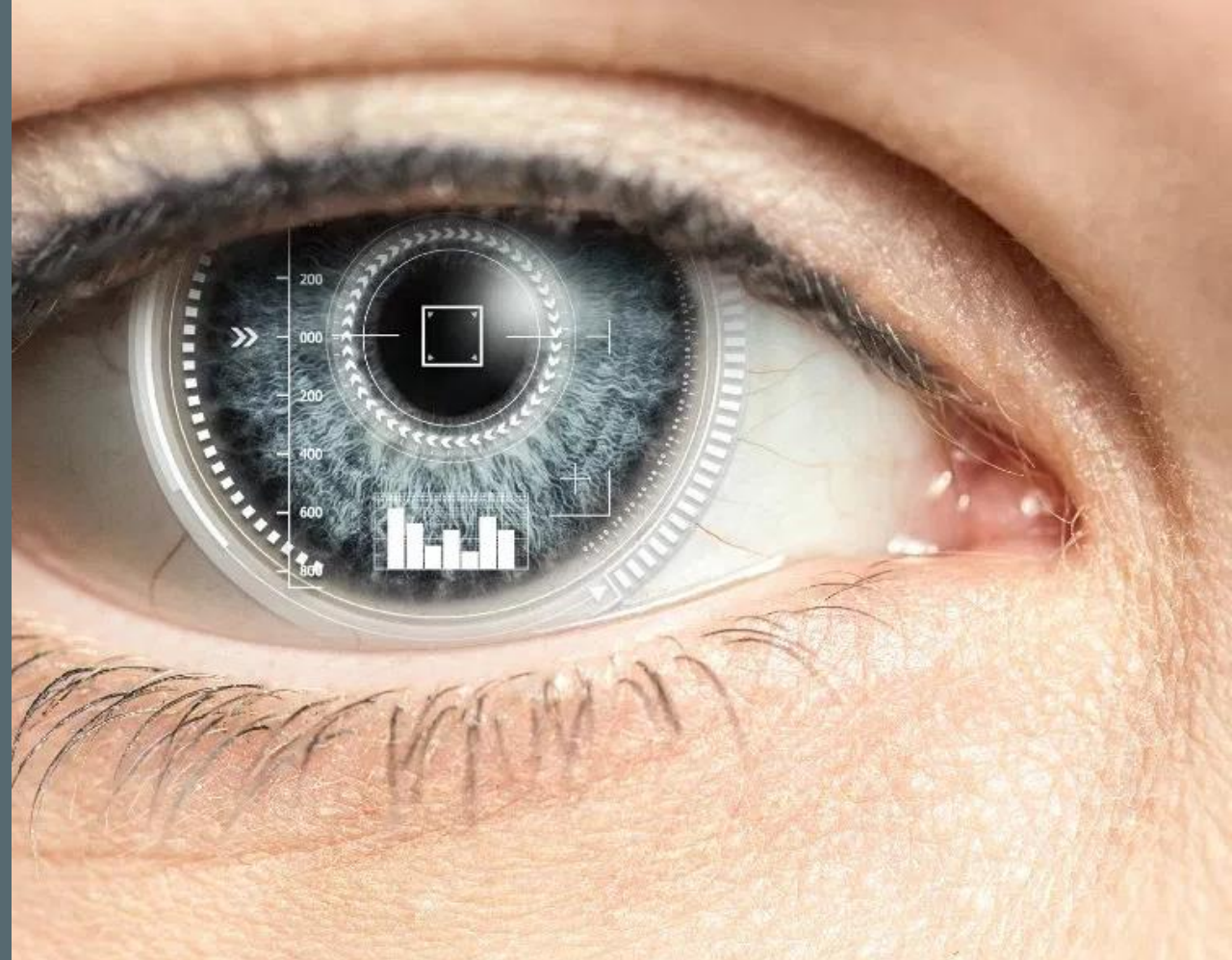
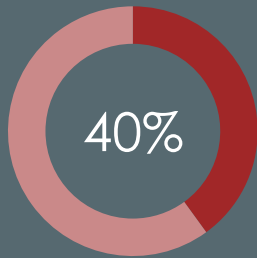
Augmented Reality

Multi-sensory and real-time data that is designed to enhance analog experiences.

Education: K-12 using AR in learning programs



People willing to pay more for a product they can experience in AR



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Digital Singularity and Value

Maslow proposed that as basic needs are met, a person may focus on higher order endeavors. Technology offers the levers to push human endeavor upwards.

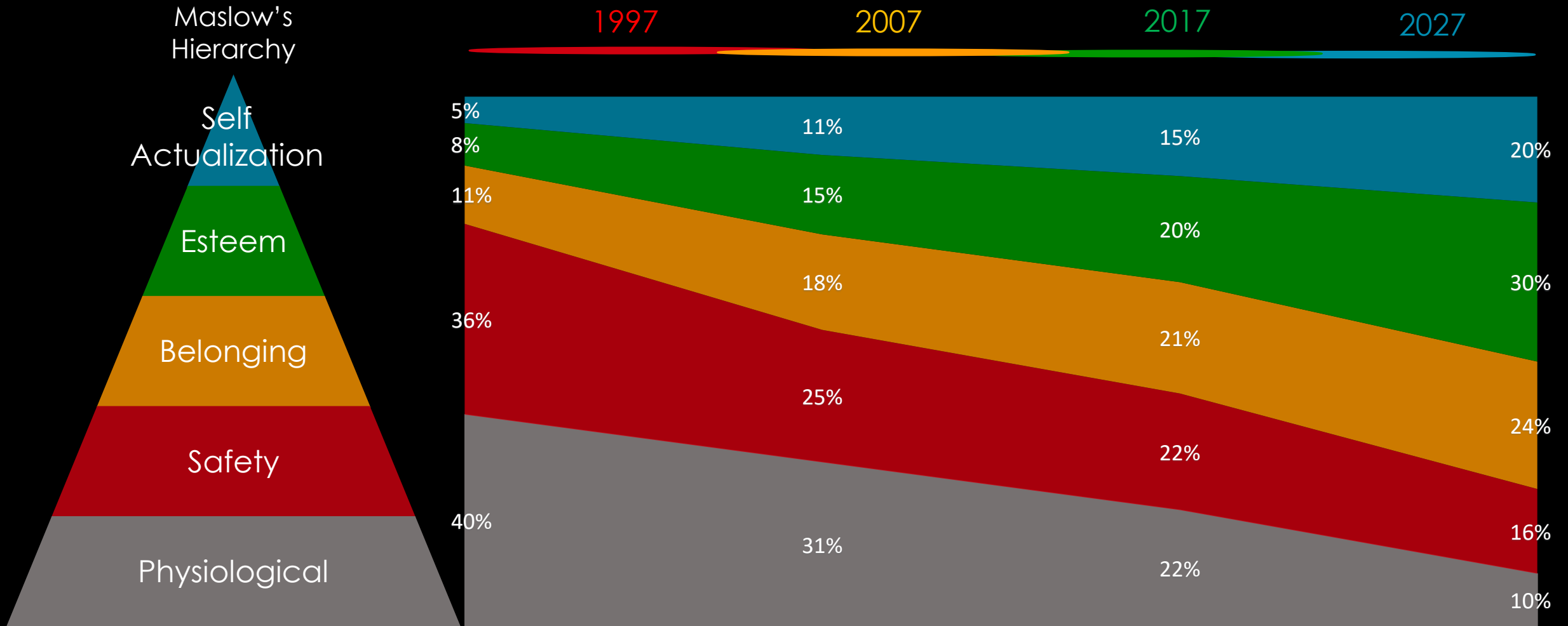


Chart is representative only, based on Avasant estimates
(Sources: IMF, World Bank and UN World Happiness Index Statistics)

Digital Singularity Achieved

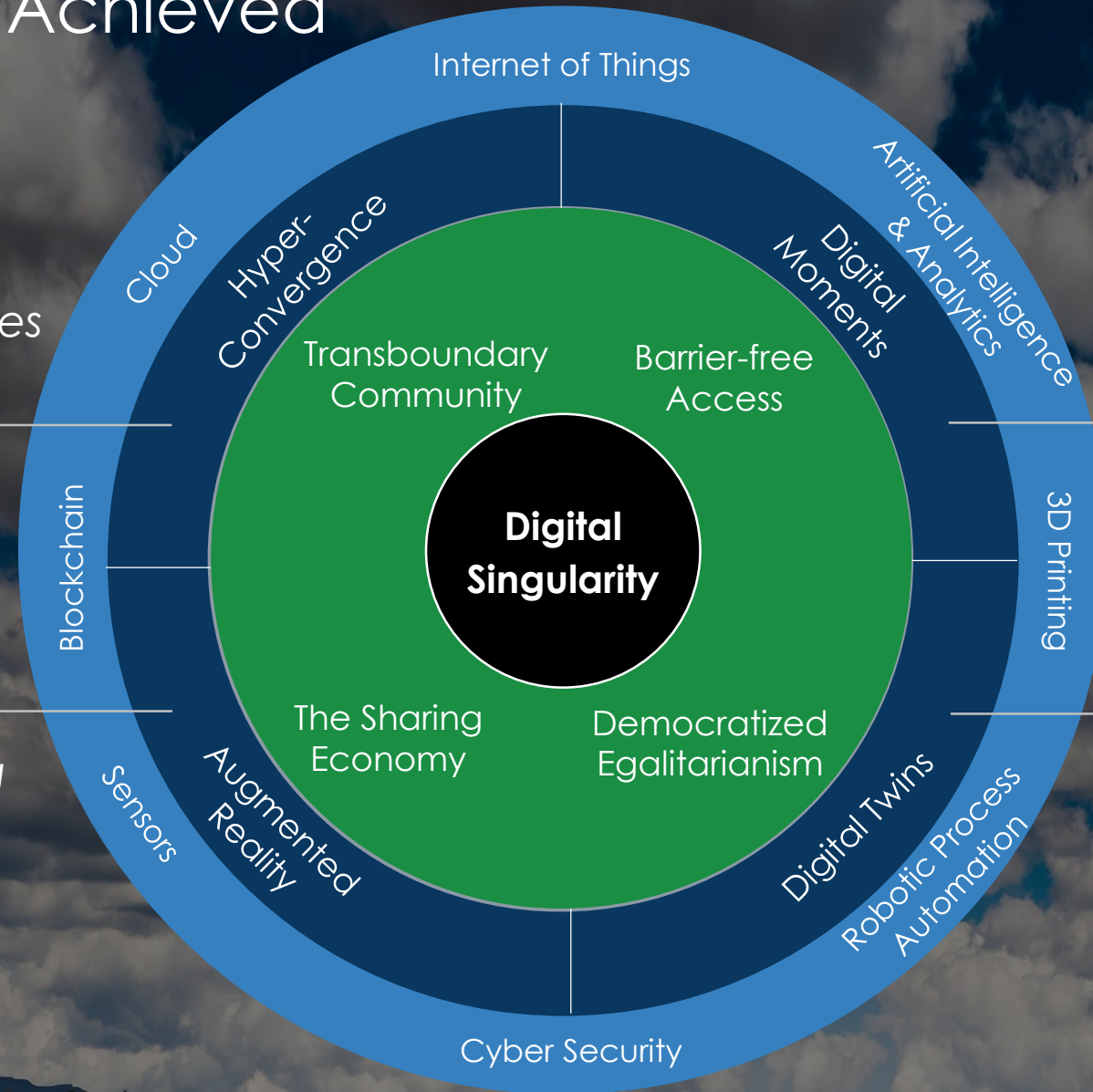
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Bringing multiple technologies to create something new

A transaction within a transaction

Multi-sensory, real-time data that enhances experiences

A real-time virtual model of your physical self



How will we live and work in this Digital Singularity?

Real World
Digital & Physical Convergence

Omnipresence

Economy

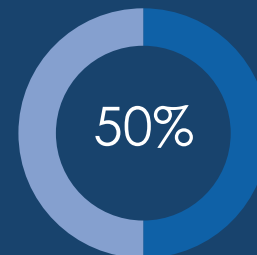
Enterprises

Community

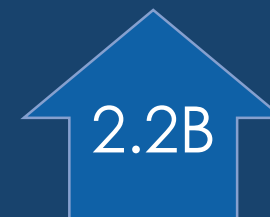
Transboundary Communities

Augmented human interactions, occurring in real time, utilizing, sensors, wearables, and holographic projections designed to converge digital with real world experiences.

% of workforce in
Freelance mode by 2020



Number of people globally
engaged in the "gig
economy" by 2020



Digital Enterprise

The Digital Enterprise is driven by specific needs and demands. It can adapt to the personalized requirements of its partners, stakeholders, employees, and customers.

88%

Executives undergoing formal digital transformation efforts in 2017

78%

Enterprise Digital Transformation Initiatives involve executives other than the CIO

59%

Business Processes automated by transformation-focused organizations in 2016

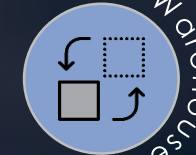
Traditional Value Chain



Supplier



Manufacturing



Warehouse



Distribution



Retail



Customer

Digital Enterprise Value Chain



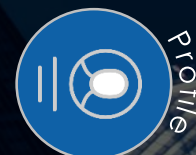
Individual



Personalize



Advisors & Supplier



Profile



Build



Deliver

How will life change in 2027?

The Social Imperative: We will work differently . . .

Barrier Free Access

Sharing
Economy

Digital Singularity

Any individual regardless of economic and social status or country has access to the global economy

Democratized
Egalitarianism

Individual voices are magnified and social movements are born via digital social platforms. The power of one to make a difference

Skills, resources and capabilities can be shared to develop new products, services, and solutions

Transboundary
Communities

Communicating with a group of people in a real-time, that utilizes our five senses where distance and location is of no consequence

How will life change in 2027?

The Digital Business Imperative: Businesses must . . .

Personalize products, services, and solutions and deliver them directly to individuals and customized to their needs

Individualized
Demand

Utilize and invest in platforms that accept cryptocurrency and digital payment methods

Digital
Currencies

Invest in the "Technology Prerequisites" to drive their success on the new digital economy

Digital
Infrastructure

Prepare for changes in regulations that will impact their digital business models

Government
Regulations

Digital Singularity

How will life change in 2027?

The Establishment of Enlightened Regulatory Frameworks: Governments will . . .

Protect people from abuses
and runaway technologies
(e.g. fake news, self driving
cars, and genetic
technologies)

Consumer
Regulation

Regulate digital
transactions to minimize
tax evasion

Regulate digital
payment methods
and cryptocurrencies

Regulation of
Digital Transactions

Extend individual
protections of data and
personal information

Digital Singularity

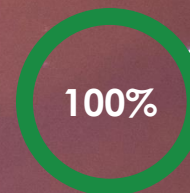
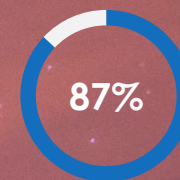
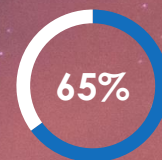
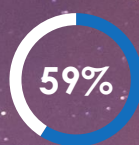
New Taxation
Regulation

Regulation of Privacy

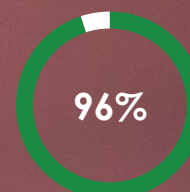
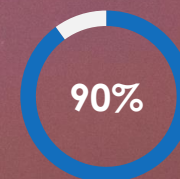
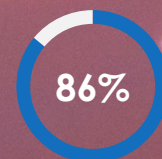
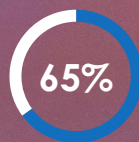
We will solve the grand challenges.



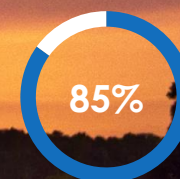
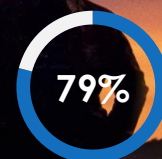
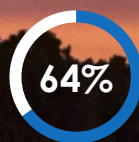
% of population in developing countries with **access to food**



% of population in developing countries with **access to water**



% of population in developing countries with **access to utilities**



We will live in a different world.

We will solve the grand challenges.



Global Life Expectancy :



Global spend on Life Sciences R&D

\$96 billion

\$113 billion

\$169 billion

\$200 billion plus

DNA colony sequencing patented

Full E. coli genome sequenced with high-throughput systems

Tens of millions of human genomes sequenced & digitized

Billions of human genomes will be sequenced, digitized

We will extend life.

Disruptive Trends for 2018 and Beyond

Socio-Economic



Tectonic shift in US Administration



Brexit: The Exit Process



Increasing Insularity, Nationalism, and Protectionism



Rise of the Alternate Economies

Advanced Technology



Intelligent Automation + Cognitive Takes off



Level 3 Autonomous Vehicles Hit the Road



Emergence of the Cognitive Era

Business & Industrial



Augmented Reality for B2B becomes a Reality



Platforms become a commodity



Data as a Service explodes



The Industrial Internet Play

Personal & Consumer



Mainstreaming of the AI Personal Assistant



Connected Living Transforms the Home



Drones Take Off



Media Democratization



3-D Printing disrupts supply-chain/logistics



IOT Pivots To Sentient Tools

“The future promises a world where we have more people than jobs. This will free us to explore intellectual pursuits....”

