RECON 2021: Hit the Ground Sprinting with Digital and Data

Mega Trends of 2021 and Beyond

The Next Ten Years: Tech Trends that Matter October 2020

Speaker



Sumant Mandal Founder & Managing Partner March Capital Partners





HOW WE GOT HERE: TIMELINE OF MAJOR INNOVATIONS

CLOUD TAKES OVER

AI IN THE ENTERPRISE

THE IMPACT OF COVID-19

LOOKING FORWARD

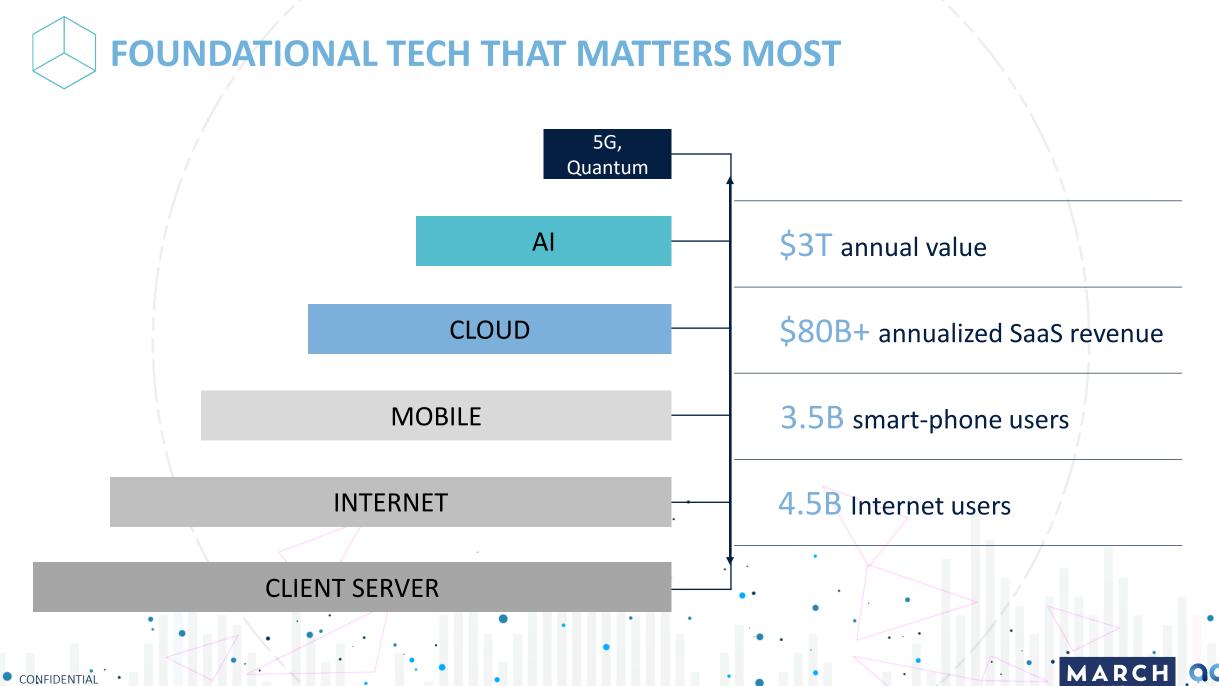
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1980s: Personal Computers, GUI and Cable TV

1990s: WWW (Internet), E-commerce, Java

2000s: iPhone, Social Media, Search engines

2010s: AI, Power of analytics, Automation









4MB RAM

40MB HARD DRIVE COST: \$5K+

This was the catalyst for modern computing as we know it.

Internet Speed Internet Users

1980

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1990s: INTERNET: THE WORLD CONNECTS

1990

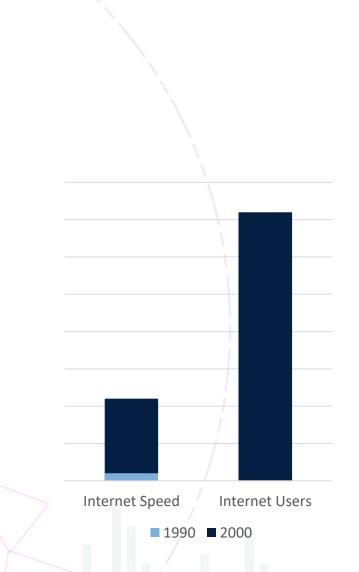
Internet invented

1995

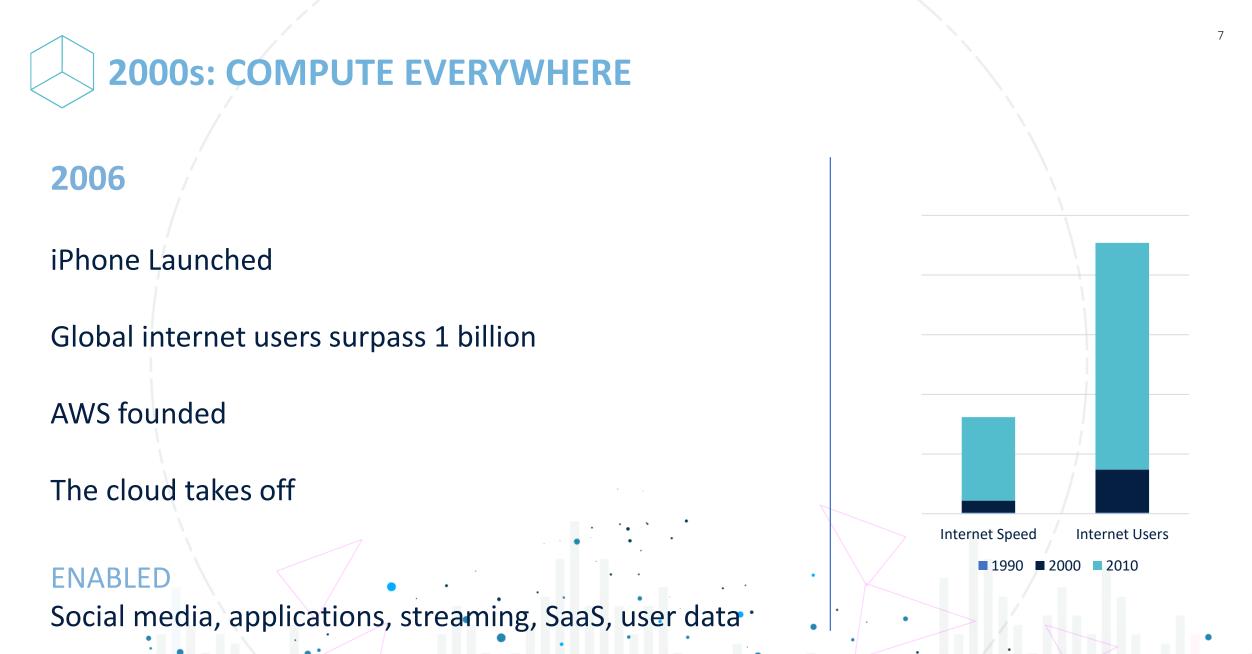
14% of US adults had internet access42% of US adults had never heard of the internet

ENABLED

Unprecedented, widespread access to information







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Performance Since 2009...

10,000x

140x

COMPUTE

NETWORK

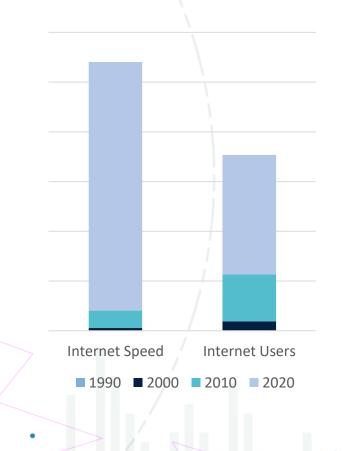
Innovations in sw/hw powered a 2.5x per year improvement in computing performance

Broadband increased from 7.1 mb/s

to 1 gigabyte/s

ENABLED

Predictive analytics, computer vision, voice, NLP







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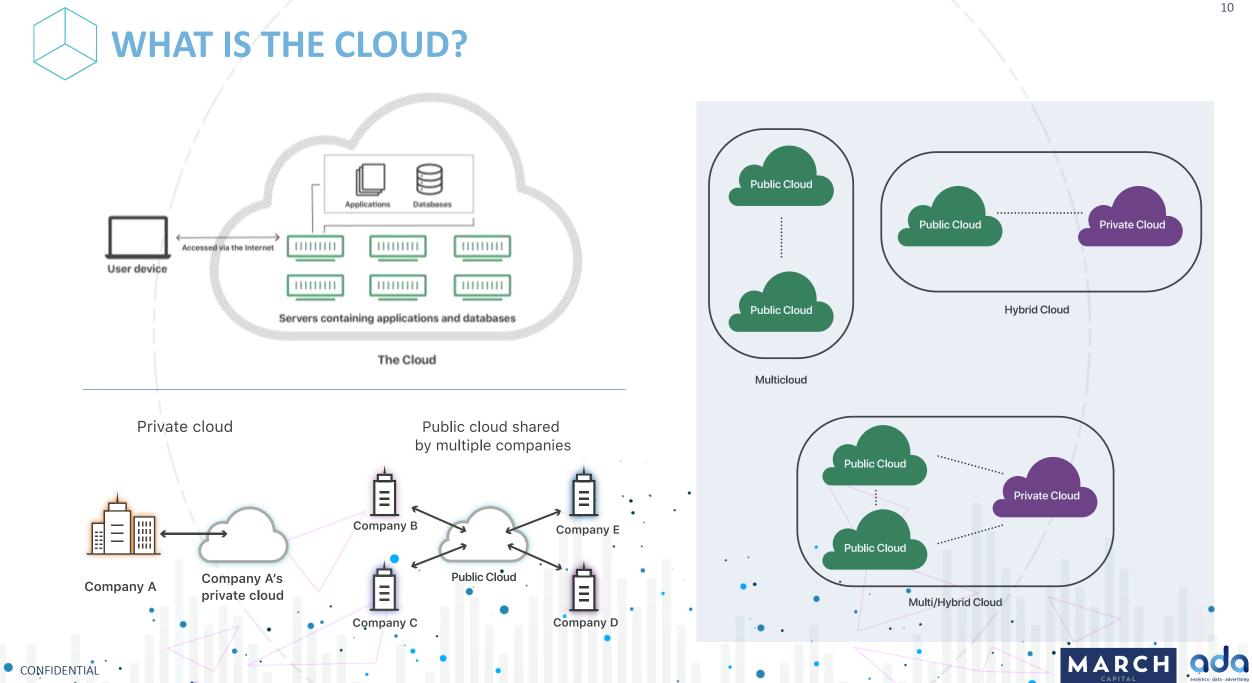
AI IN THE ENTERPRISE

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DATA CENTER

SOFTWARE AS A SERVICE

INFRASTRUCTURE AS A SERVICE

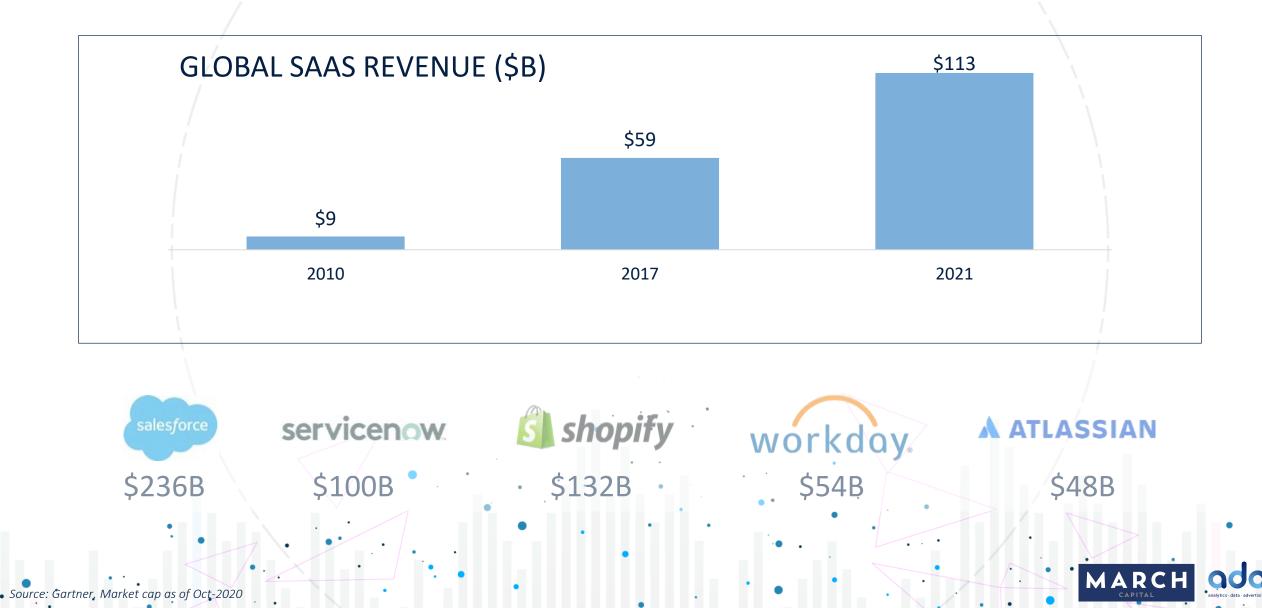
STREAMING

CLOUD STORAGE

ECOMMERCE





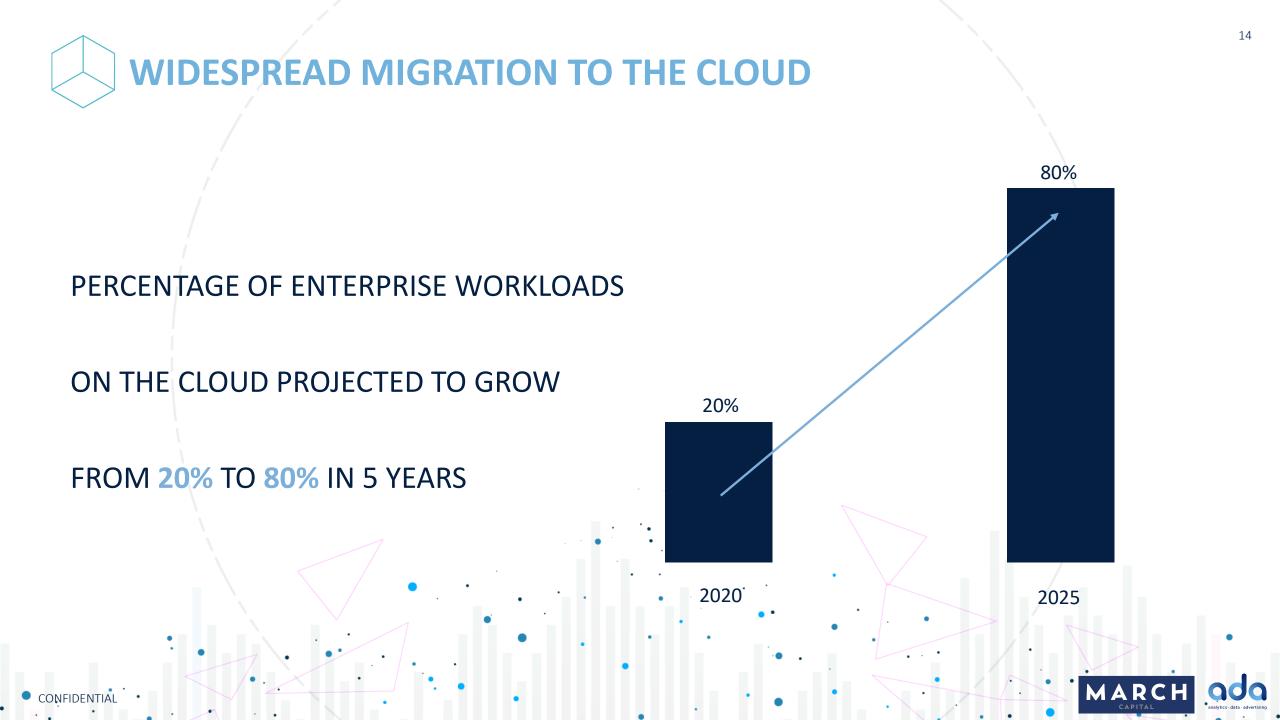


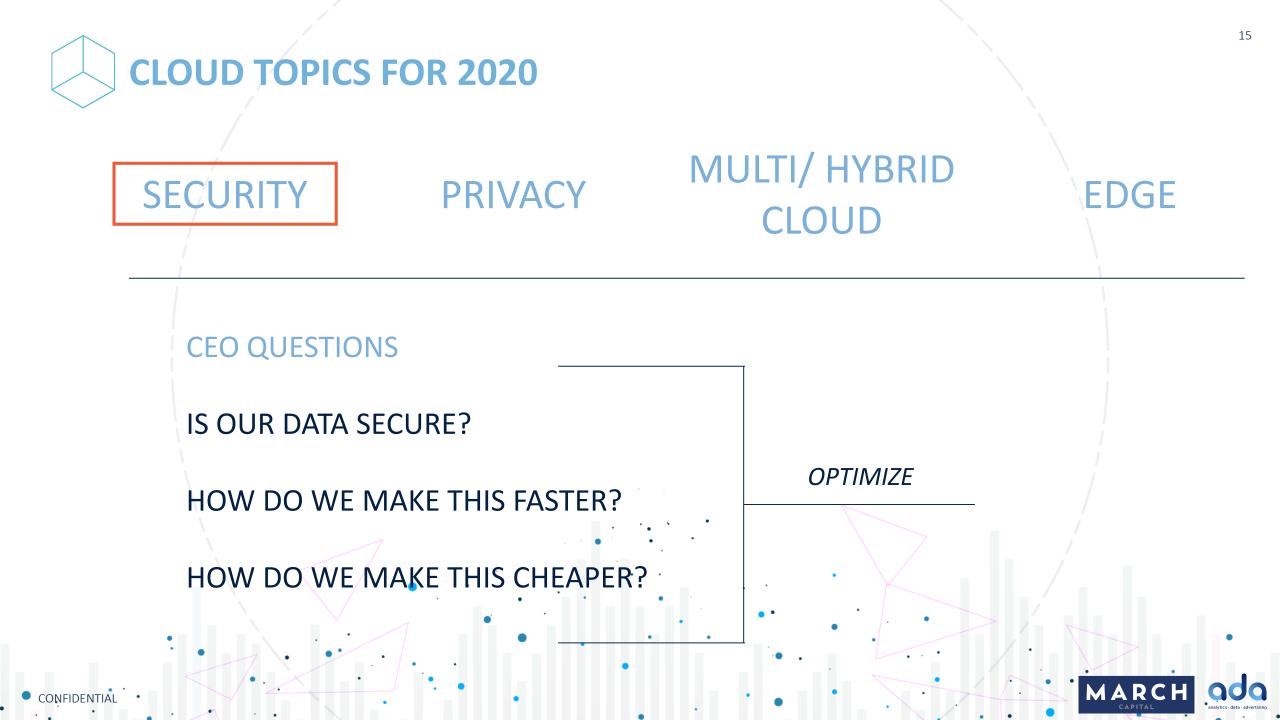
CLOUD STOCKS OUTPERFORMING

Indexed as of August 2013, Last Updated October 2020

ALL 1M 3M 6M YTD 1Y 3Y 5Y









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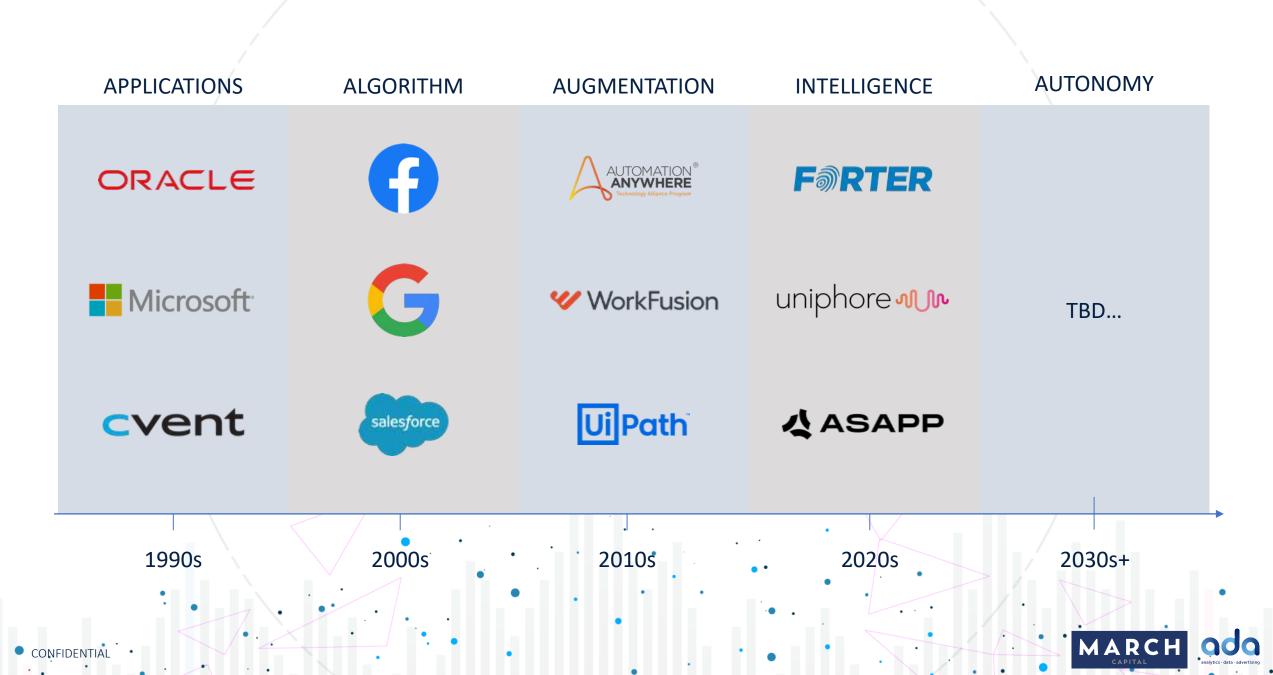
Al Augmentation will create **\$2.9T of business value** in 2021

10% of enterprises use 10 or more AI applications

Source: Gartner

Spending on AI systems will increase from \$36B in 2019 to \$98B in 2023

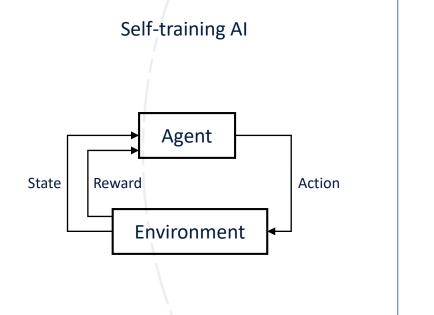








REINFORCEMENT LEARNING



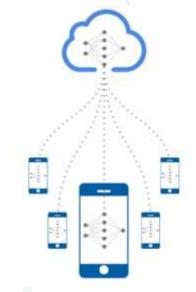
TRANSFER LEARNING

Knowledge transfer to other tasks

Dataset 1 Dataset 1 Learning System Task 1 Knowledge U Learning System Task 2

FEDERATED LEARNING

Shares learnings but not data



LESS DATA LABELING

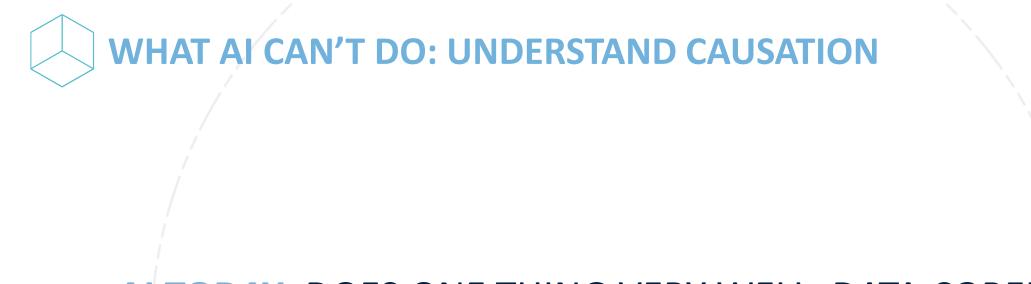
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FASTER SCALING

PERSONALIZED AI



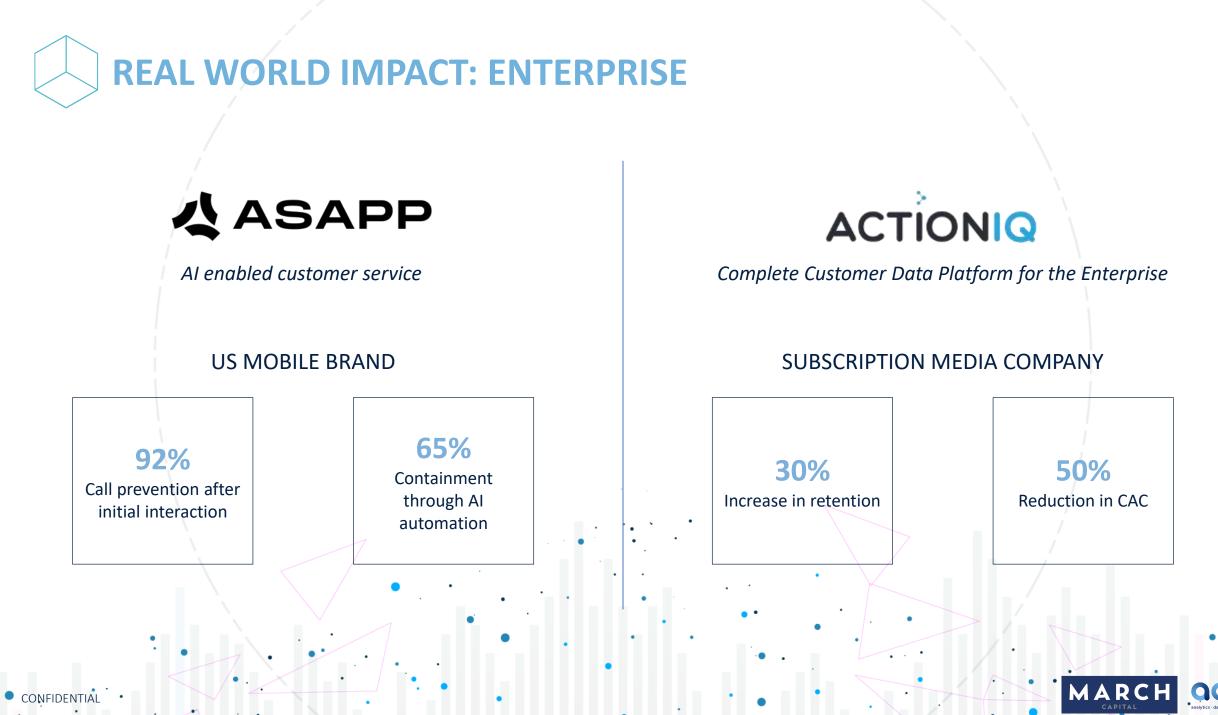
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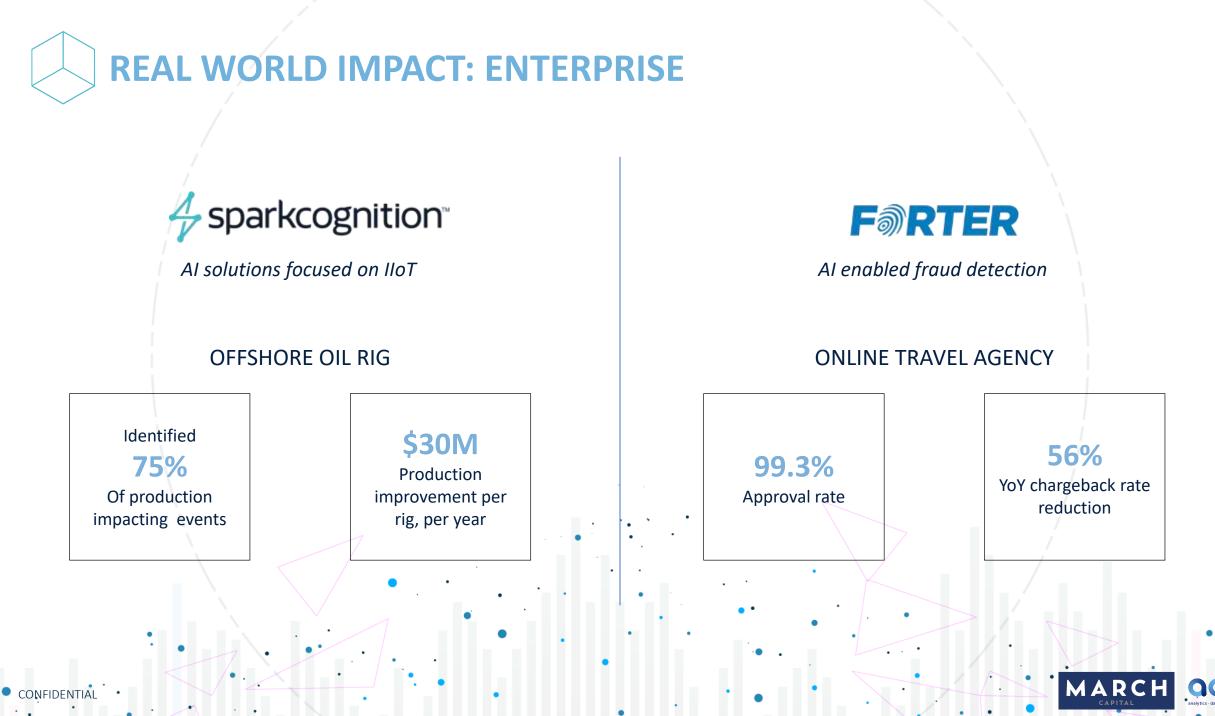


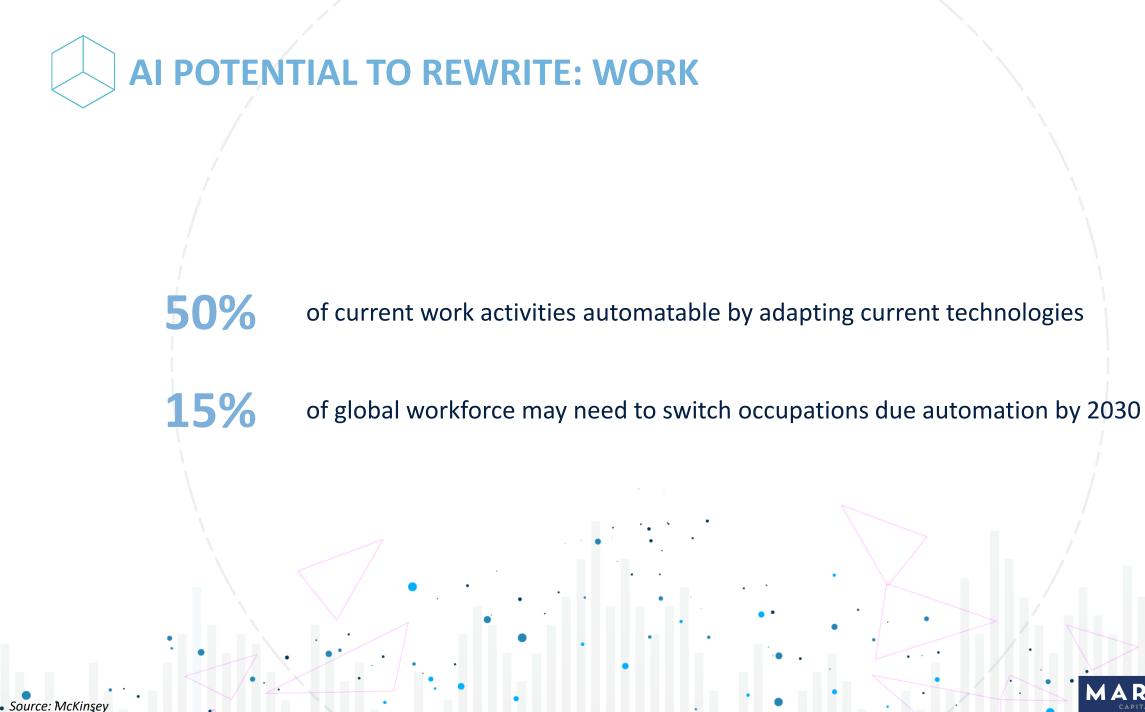
AI TODAY: DOES ONE THING VERY WELL, DATA CORELATION

FUTURE: UNDERSTAND CAUSE AND EFFECT

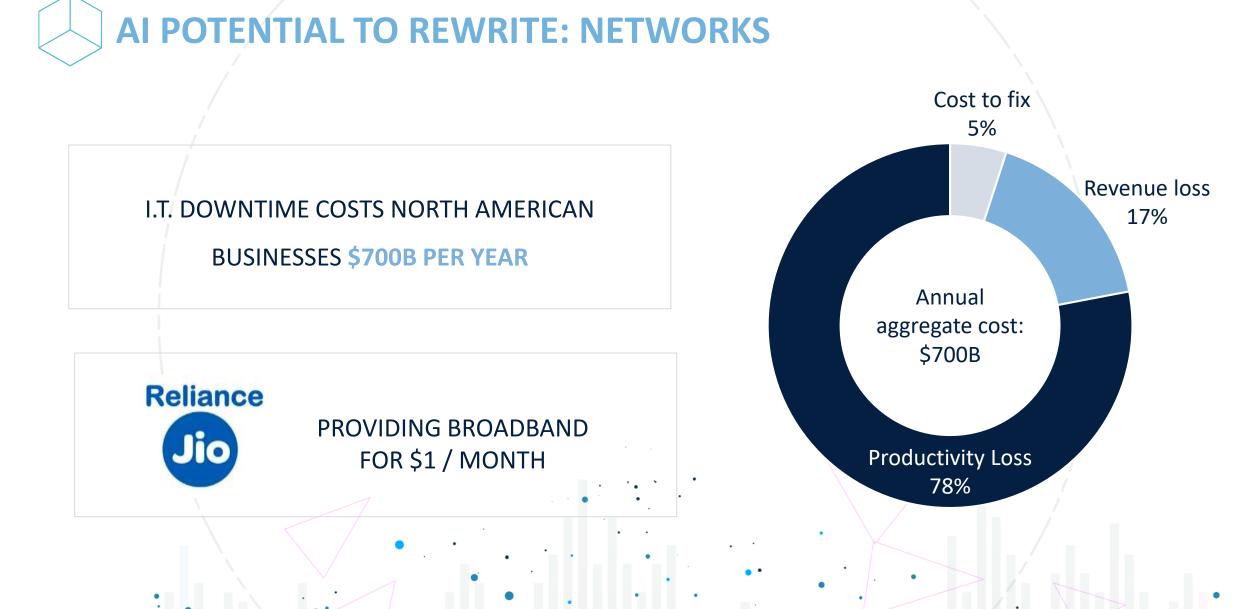






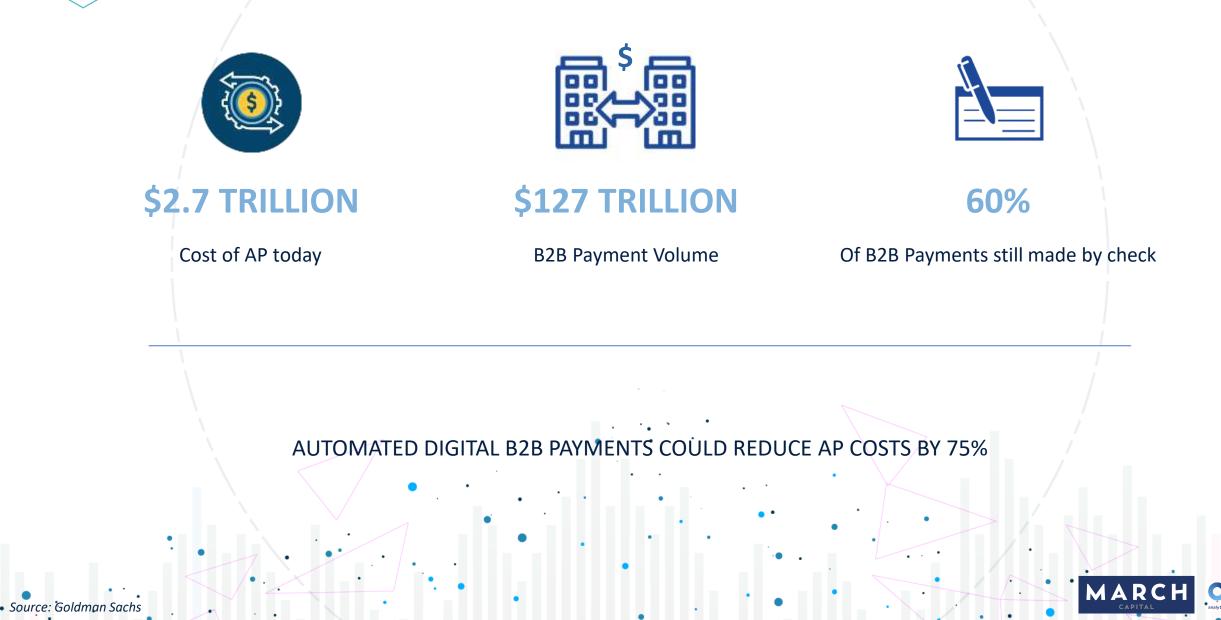


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AI POTENTIAL TO REWRITE: FINANCIAL SERVICES





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TECH INDUSTRY LAYOFFS & THE SHIFT TO WFH

VE-

DISRUPTED SUPPLY CHAINS

52% OF AMERICANS SHIFTED TO FULLY REMOTE WORK IN MAY 200 COMPANIES OF THE FORTUNE 500 HAVE DIRECT PRESENCE IN WUHAN 50% OF CONSUMERS ARE NOT ENTERING PHYSICAL STORES FOR NON-NECESSITIES

RETAIL STANDSTILL

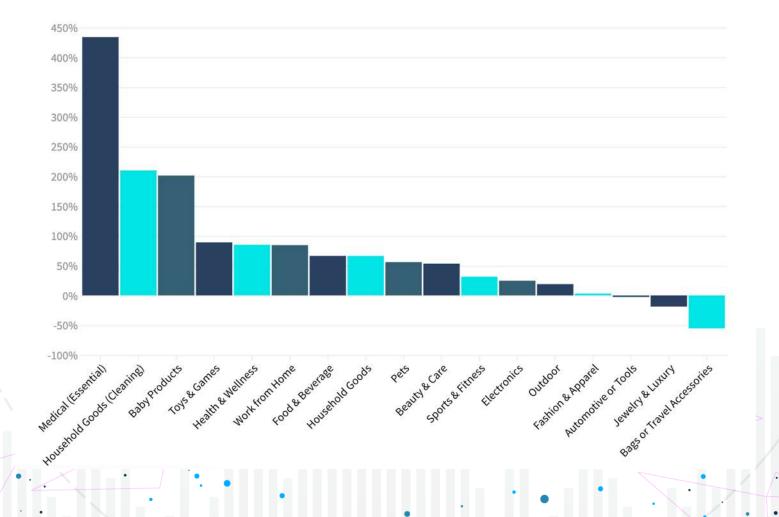


UNPRECEDENTED YoY ECOMMERCE GROWTH

Ecommerce Consumer Sales (COVID-19) +52.20%



Aggregated via ShipBob, ShipHero, Attentive, Stackline, CTC, Klaviyo, Emarsys, Rakuten



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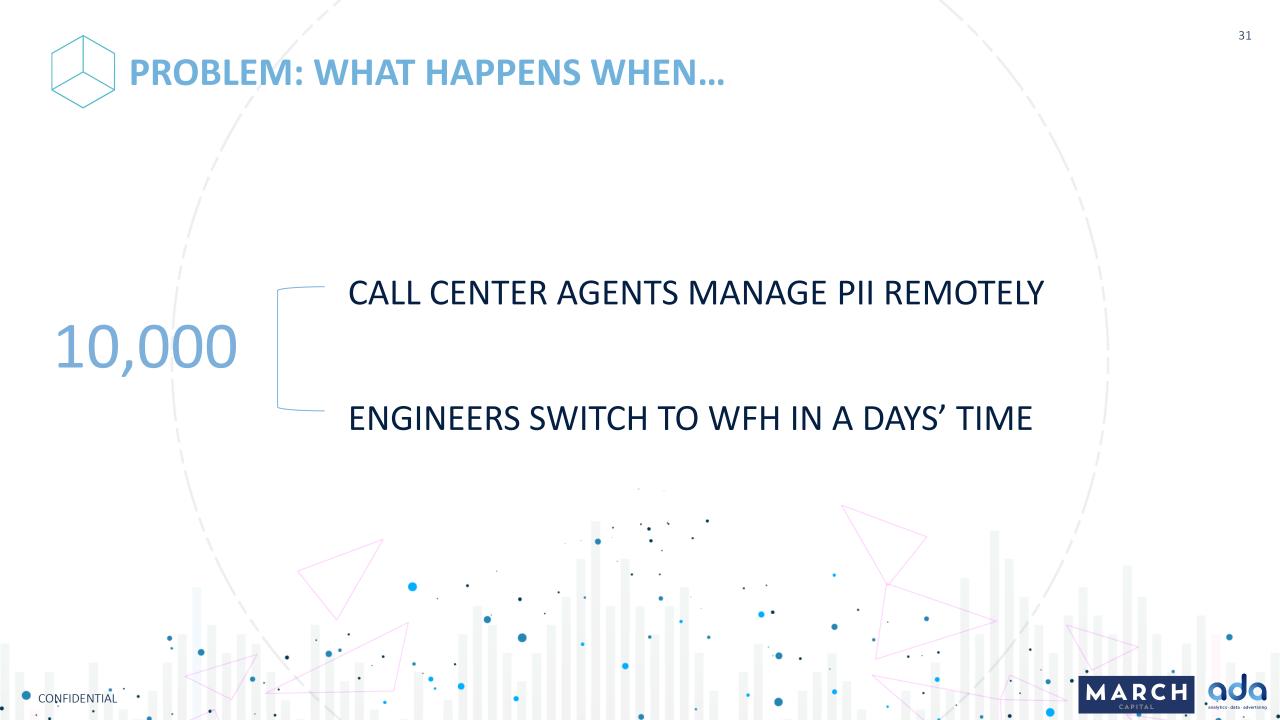
CLOUD BECOMES A NEED TO HAVE FOR

BUSINESS CONTINUITY

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CONVERSATIONAL AUTOMATION & ANALYTICS



UNIPHORE

Cloud-based call center automation

CROWDSTRIKE

Frictionless endpoint protection

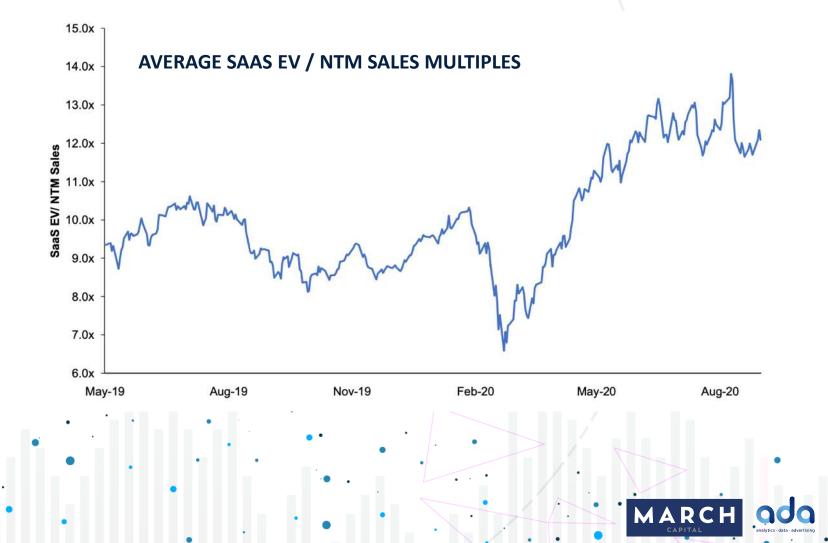
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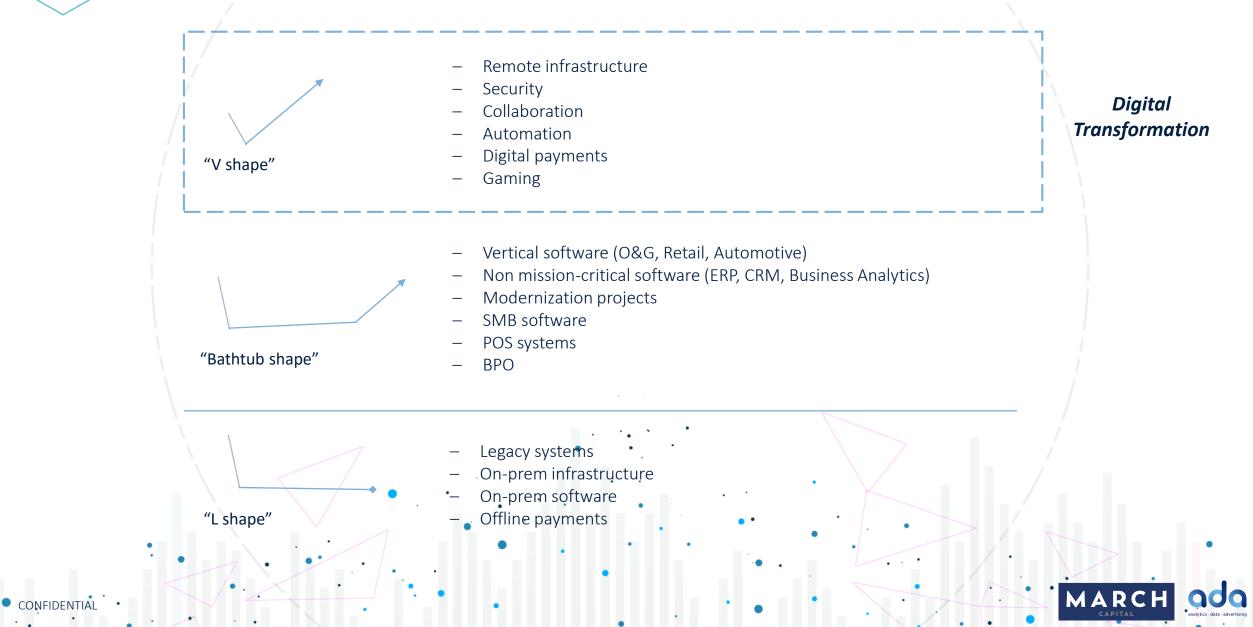
S/W MULTIPLES TRADE ABOVE PRE-COVID PEAK

CLOUD SOFTWARE HARDLY MISSES A BEAT IN THE PANDEMIC

Source: FactSet, compiled by Goldman Sachs Global Investment Research



WHAT WILL THE RECOVERY LOOK LIKE? IT DEPENDS





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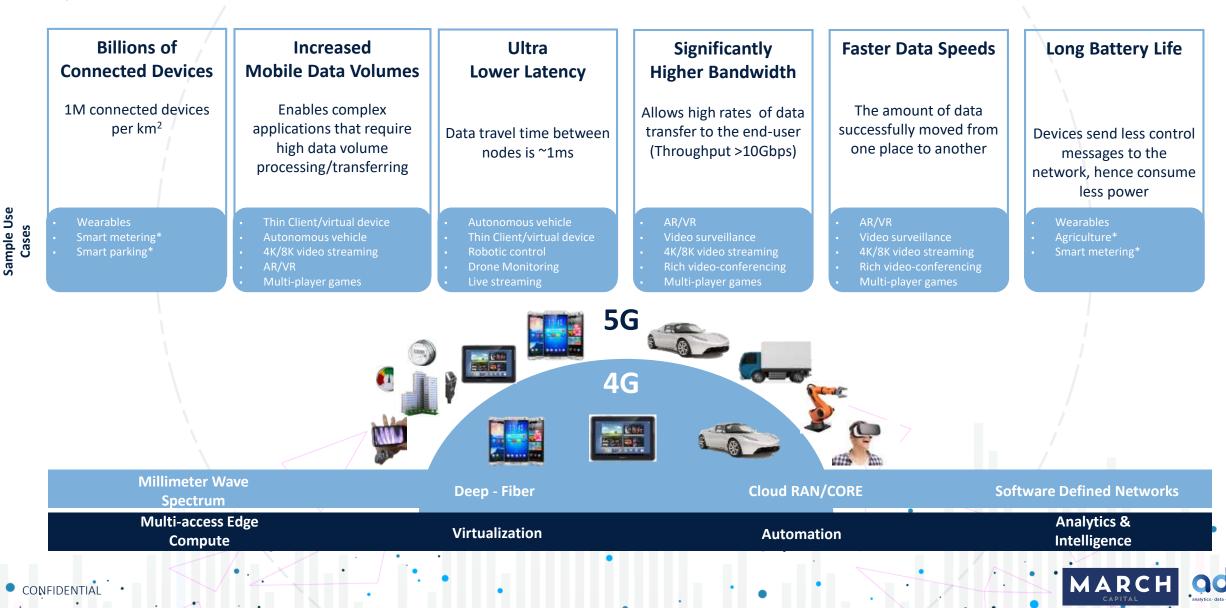
LOOKING FORWARD

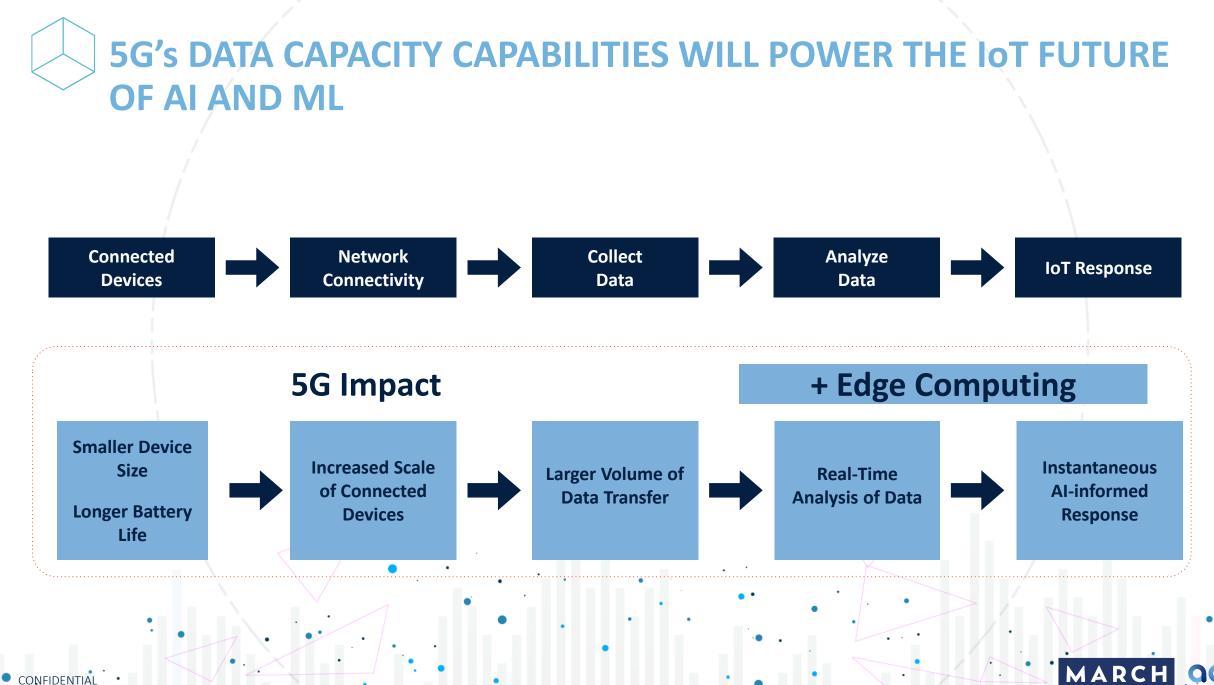






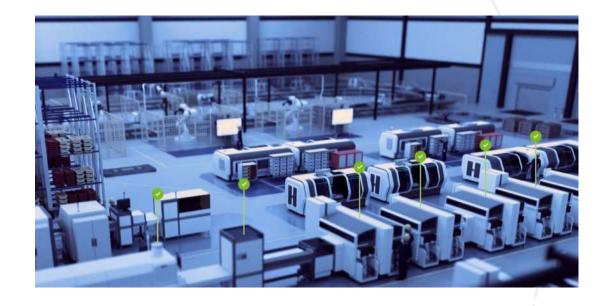
5G AND INTELLIGENT EDGE BENEFITS (COMPARED TO 4G)





5G: GREATEST IMPACT IN INDUSTRIAL





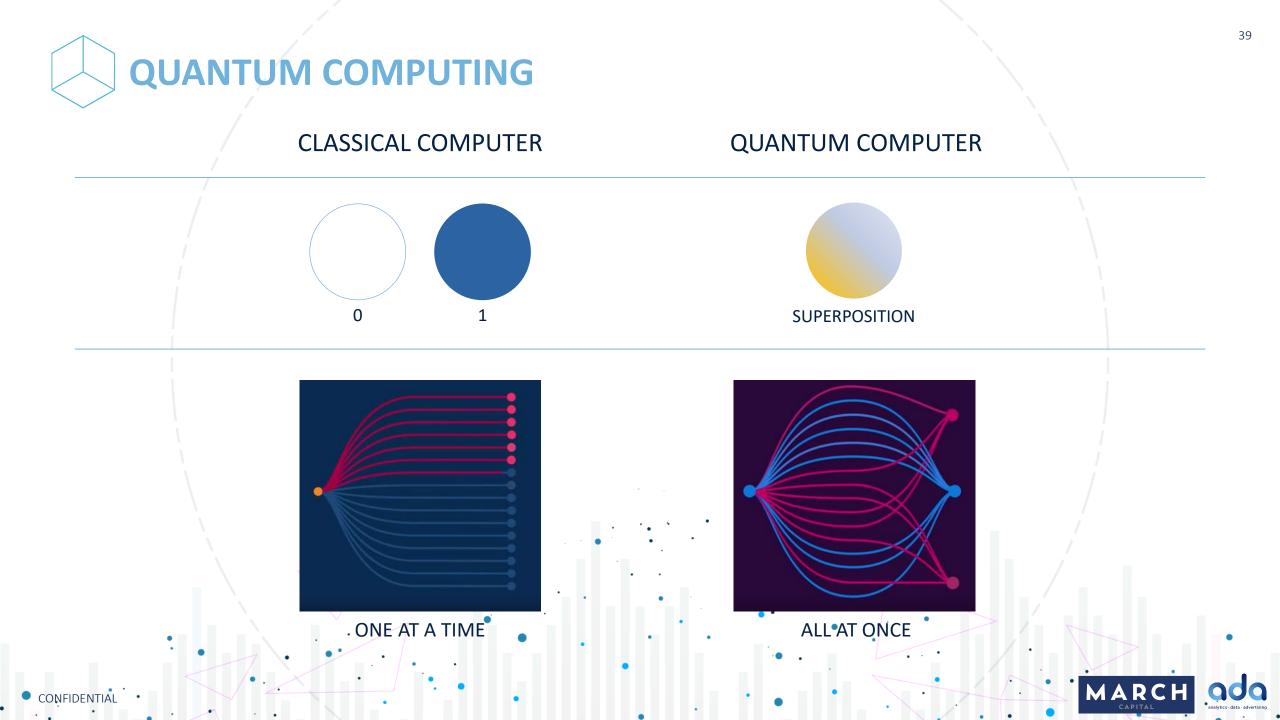
SHORT RANGE FAVORS SELECT SITE VS. BROAD CONSUMER COVERAGE

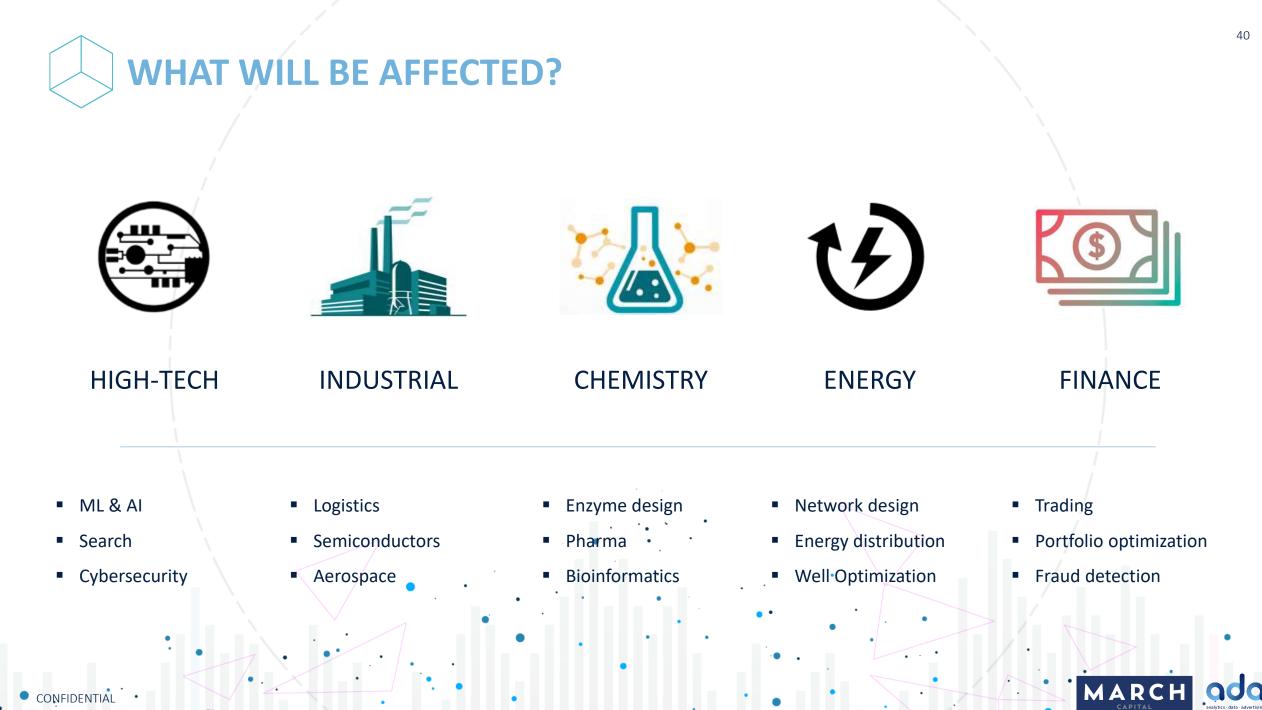
QUICKEST + HIGHEST ROI IMPACT IN INDUSTRIAL

CAMPUS WIDE 5G FOR ~\$1M?













LIGHTING

HVAC

HOME + OFFICE APPLIANCES



IDENTITY DIGITAL ACCESS PHYSICAL ACCESS



CONNECTED CARS



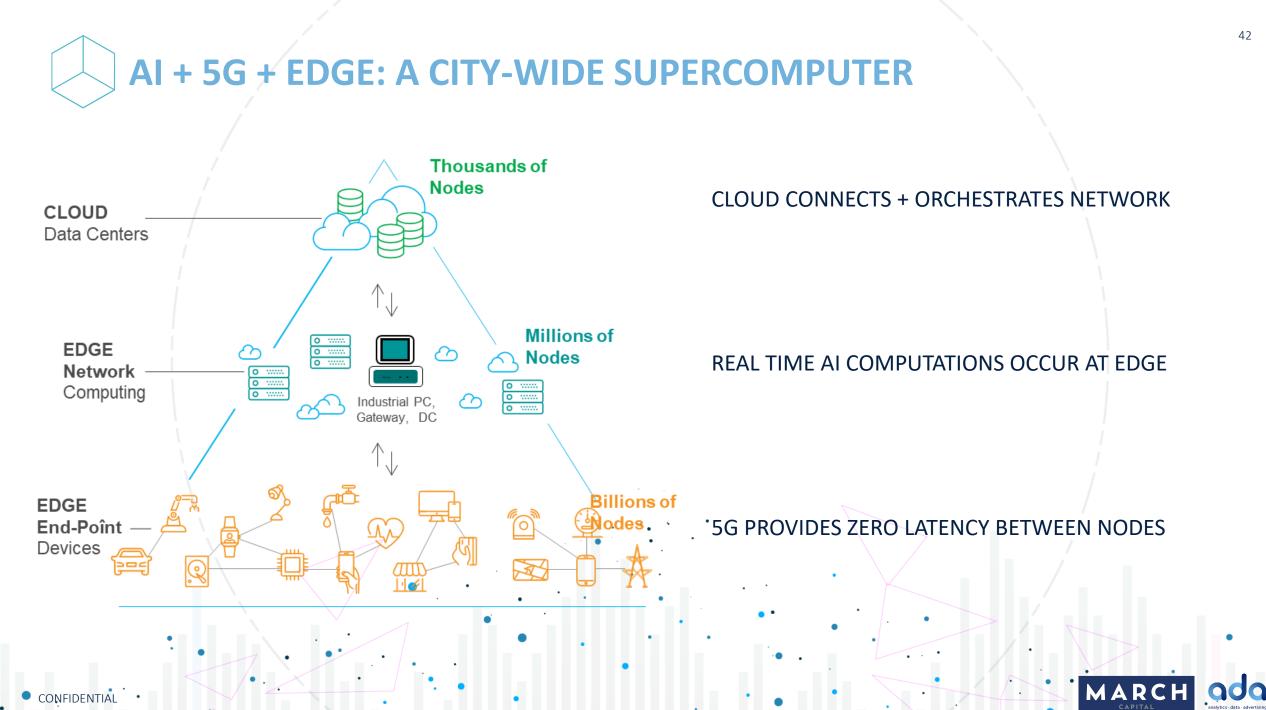
VOICE AS THE INTERFACE

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THE COMING DECADE WILL SEE 10X THE INNOVATION

43

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OF THE PAST DECADE

About ADA

ADA is a data and artificial intelligence company that designs and executes integrated digital, analytics and marketing solutions.

Operating across 9 markets in South and Southeast Asia, ADA partners with leading brands to drive their digital & data maturity and achieve their business goals.



About Our Data

Their Digital behaviour culled from **400,000 apps**

Their Offline behaviour gathered from 1 million point of interests

Their Content Consumption Patterns derived from 800 million videos views

Their Social media use analysed from **150 million sources**

375 M

CONSUMERS



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