

What's coming for us in the next 10 years?

We're heading for a physical world tethered to the internet



The increasing integration of IoT will make **smart cities** the new norm



Phygital experiences will take over shopping expectations



Unlimited access to consumer data must translate directly into real-world benefits

By 2030 and beyond



We're developing a parallel and limitless "virtual world"



Our online presence will soon evolve into parallel lives lived on metaverses



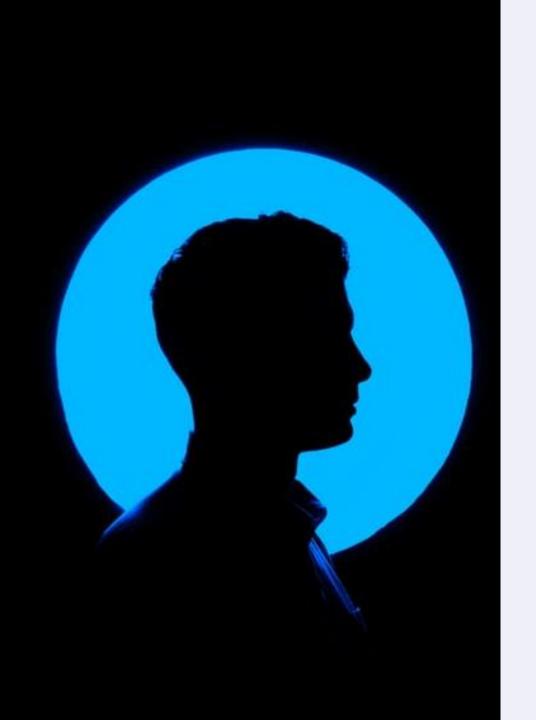
NFTs will become just as valuable as real-world assets



Cryptocurrencies will become legal tenders in both the offline and online worlds

By 2030 and beyond





What can we do now to prepare for the next 10 years?

9 critical priorities for this decade

Understand society's behavioural changes



#1:

Empowered individuals driving change



#2:
Demanding climate action



#3: Major geopolitical shifts Adapt business to the New Reality



#4:

Stakeholder centricity



Innovate the business model



#6: The experience economy Use the right tools



#7:

Build the blockchain



#8: Be cloud-first



#9:

Put AI in everything



Part 1: Understanding society's behavioural changes

Understand society's behavioural changes



#1:

Empowered individuals driving change



#2:
Demanding climate action



#3: Major geopolitical shifts Adapt business environment



#4:

Stakeholder centricity



#5:

Business model innovations



#6:

The emerging experience economy



Use the right tools



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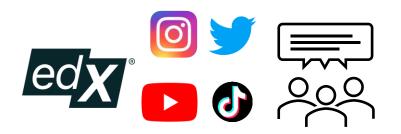


Understanding society's behavioural changes

#1:

Empowered individuals driving change

Individual consumers are now empowered by information and putting it into action





The democratization of all forms of information online informs and empowers today's consumers





This leads to deeper demands from consumers in terms of products and social responsibility too.



Amplified individual voices are bringing positive action, but is also creating a polarized society

Empowerment leads to demands for a better world







The gulf between the empowered and the misinformed will widen in the 2020s

Misinformation leads to confusion and polarization



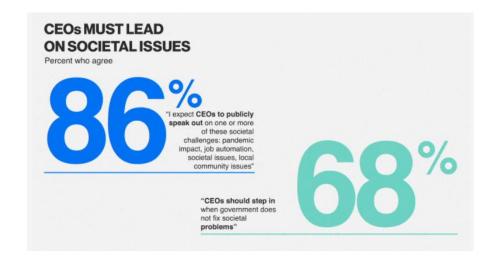




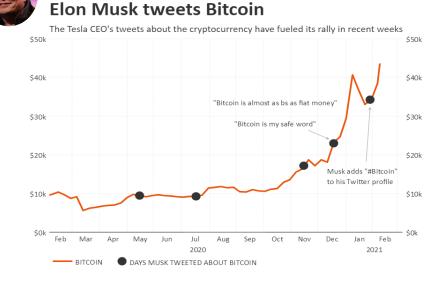




Individual leaders now also hold immense power over consumers and corporations



People are now looking to individual figureheads (namely CEOs) to step in where governments have failed



Through social media, a CEO's voice now has enough power to sway markets with a single word



What does this mean for businesses?

Align and communicate with your new, informed consumers

- Consumers place huge trust in leaders whose values align with their own. Leaders in an organization need to step up and voice out their opinions about their business and social issues (before consumers make their own assumptions)
- 2 Consumer expectations now encompass all facets of business. Don't just make good products - companies now need to show clear impacts on social issues and communities to remain favourable
- The right communication is more critical than ever! With misinformation running rampant, companies need to provide comprehensive, clear and transparent information that is accessible to their consumers



Action items for CEOs

Use the individual voice to your advantage

- Establish a direct link between leaders in the organisation and stakeholders. Voice out authentic & transparent opinions on business directions and social issues – consumers will resonate with values they align with
- Let your consumers talk! Creating organic conversations about how your business has positively impacted a community increases visibility and encourages loyalty.
- Display principled leadership. If not from the CEO, identify individuals within your organization who are not afraid to speak out about social issues that your business is making an impact in to lead conversations among your consumers.



and boards



Understanding society's behavioural changes

#2:

Demanding climate action

Today's youth live in extreme anxiety over the effects of climate change on their future

"How do you feel about climate change?"

83%

75%

"People have failed to take care of the planet"

"The future is frightening"

"Humanity is doomed"

Note: Based on a landmark global study by Bath University surveyed 10,000 youths aged 16 – 25 years old across 10 countries.



Concerns for sustainability and environmentalism are now driving consumer behaviour...

A study conducted by IBM surveyed 18,980 consumers across 28 countries about brand and product choice drivers, shopping habits and willingness to change behaviour based on values and beliefs.

77%

"Sustainable products and environmentally responsible brands are important to me"

70%

"Willing to pay a premium of up to 35% for sustainable brands"

"Willing to change their purchasing habits to reduce environmental impact"



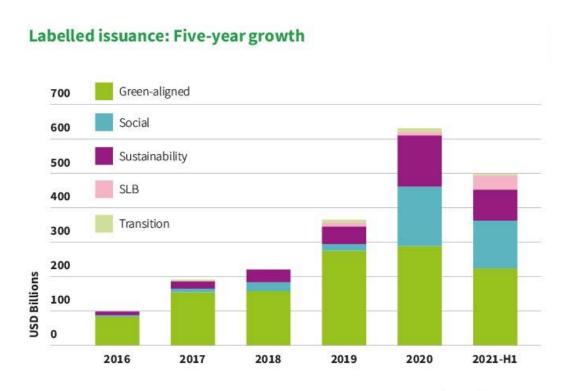
... which has accelerated funding for social, green and sustainability ventures



The rise of the individual



Concerns for climate change



© Climate Bonds Initiative, 2021



What does this mean for businesses?

Environmental responsibility now requires holistic business consideration, rather than one-off action

- Climate change and action is no longer a standalone issue. The crisis now brings serious implications to every aspect of business; from customer demands, shareholder accountability, supply-chain responsibility and government action.
- Environmental responsibility therefore needs to be embedded into organizational DNA to be able to demonstrate meaningful action, and will be an important lever to competitive advantage.
- It will require a robust governance mechanism akin to current financial systems



Action items for CEOs and boards

How can your organization start taking deep-rooted action in environmental responsibility?

- Review carbon footprint and set clear goals for net zero with well defined timelines consistent with government mandates.
- Assign responsibility to a leader with empowerment to function across horizontal and vertical teams. Effective cross-functional teams are a pre-requisite. for success.
- Institutionalise the governance mechanism to review status and progress akin to current financial metrics.
- Educate executives and teams, support bottoms-up ideation of innovation opportunities for sustainable practices





Understanding society's behavioural changes

#3:

Major geopolitical shifts

The east is growing in economic and cultural influence

China is expected to overtake the US as the world's biggest economy by

'#KpopTwitter' dominated Twitter between 2020-2021 'Squid Game' is now Netflix's most popular show in history





7.5 billion tweets





The inequalities of capitalism is growing to be unpopular among the youth



87.6%

of the Chinese youth identify with Marxism in a survey conducted by China Youth Daily

"Young Chinese have spent much of their lives watching the rise of inequality and the collapse of the working class status"

- Wang Rul, historian



of British youth want to live under an explicitly socialist economic system

"We've got Jeff Bezos launching himself into space while the world is on fire."

> Emily, 20, London The Guardian



54%

American Gen Z's have a 'negative view' of capitalism

"Capitalism is unfair and leaves people out despite their hard work."

> - Focus group response, Harvard University



Countries are moving away from globalization to protect national and regional interests

Rise of specialized manufacturing hubs to protect economic niche



Global experts in biotech, specifically gene editing



Manufacturing industry is organized based on specific clusters with deep knowledge Changing investment interests to maintain economic stability



Stockpiling natural resources through its' Belt & Road **Initiatives**



Established European Fund for Strategic Investments, intended to accelerate private investing in European infrastructure



Resilience in a geopolitically changing world requires foresight and strong core principles

- Regionalisation can be seen as a growth opportunity; not just for revenue growth but for better content, talent and capital accessibility
- However, moving away from globalization increases risks in terms of geopolitics, supply chain reliability and revenue consistency. This requires substantial riskaverse scenario planning.
- The youth are increasingly rejecting capitalism and the inequality that comes with it. CSR initiatives are not enough anymore; companies need to embed fairness and accountability into the very fabric of their business.

What does this mean for businesses?



Stay on top of trends, plan ahead, build on purpose!

- Set up a competitive intelligence system to monitor growth opportunities in the region across all business aspects: customers, talent, raw material/input, intellectual property, partnerships and capital
- Build resilience in your supply chain for potential risks from geopolitics, pandemics and other force-majeure events. Scenario planning programs are a crucial requirement for business sustainability and agility of response.
- 3 Review the mission and purpose of your business. Is it addressing the needs of the broader society that you serve? Build your business model around serving the larger purpose and be a force for good.

Action items for CEOs and boards



Part 2: Adapting Business Environments

Understand society's behavioural changes



Societal trend #1: Empowered individuals driving change



Societal trend #2: Demanding climate action



Societal trend #3:
Major geopolitical shifts

Adapt business environment



Business implication #1: Stakeholder centricity



Business implication #2: Business model innovations



Business implication #3: The emerging experience economy Use the right tools



Tech tool #1:
Building the blockchain

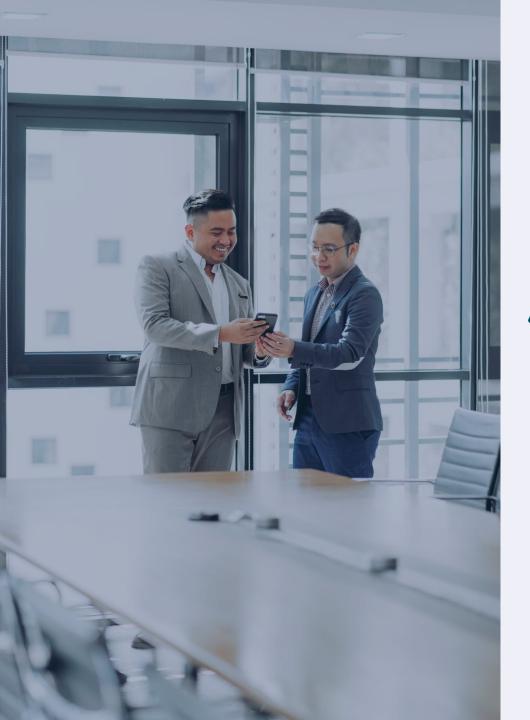


Tech tool #2: Being cloud-first



Tech tool #3:
Put AI in everything





Adapting business environments

#4:

Become stakeholder-centric

Consumers' have newer and deeper demands

Consumers are no longer just demanding for better products and services. Demands now encompass all facets of business and include larger social issues.



To stay resilient and relevant to consumers with deeper demands, businesses need to develop a single guiding purpose and design an ecosystem that serves all relevant stakeholders with equal priority.

Companies that align all stakeholders to a higher purpose are more resilient and profitable in the long run.





Case study: How Patagonia rallies all stakeholders to one purpose – "We're in business to save our home planet"



Planet & Community 1% for the Planet program



1% of sales pledged to the preservation and restoration of the natural world since 1985



in cash donations and in-kind support directed to grassroots environmental groups



Customers Don't Buy This Jacket (2011)



Aligning with customers values with a targeted campaign encouraging consumers to buy repaired Patagonia merchandise, rather than brand new

30%

Revenue growth post campaign



Employees Let My People Go Surfing



A flexible work policy that allows employees to set aside work anytime to go outdoors

4%

turnover each year, with an average of 9000+ applicants for each Patagonia job opening.



Shareholders

2018

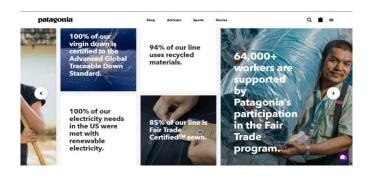
Patagonia became a billion dollar company



Partners & Suppliers Footprint Chronicles



An active map of raw materials, mills and factories that make Patagonia products, with details about vendors' operations and staff





Listen, understand and empower all your stakeholders

- Every business needs to review its mission and purpose in the context of a stakeholder centric future to ensure one stakeholder is not prioritised over the other.
- Organizations need to support the ability to democratise innovation across all stakeholders. A digital ecosystem, powered by APIs will be the foundational block of businesses in the new era.
- Businesses need to build a culture of empathy to support the aspirations of each stakeholder.



Action items for CEOs and boards

Build systems that allow for equal levels of communication and growth across each domain

Ensure a governance mechanism that reviews the performance of the business to all five stakeholders in equal measure. Communicate as effectively as you do to shareholders.

Empower teams across all stakeholders to connect and collaborate in a structured manner. Build the digital ecosystem which promotes the ability of each stakeholder to benefit from the larger organisation.

Consistently review consumer trends to ensure the business is focused on the delivery of outcomes and its ability to support it. This will provide new growth opportunities.

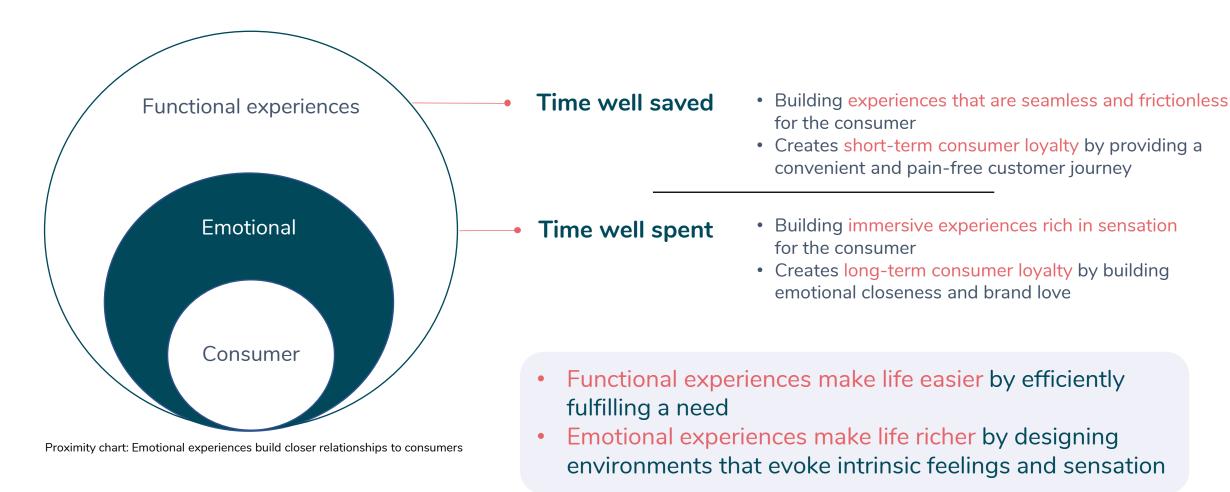




Adapting business environments

#5:

The experience economy



However, in a world of hyper-accessibility, memorable experiences now become a key differentiator



"Amazon is so deeply embedded in my life that I use it whether I realize it or

not"

- Kashmir Hill, journalist

Ecosystems like Amazon & Grab have saturated the "time well saved" experience.

Hyper-accessibility affords convenience, but drives down perception of value in goods and services among consumers.

Consumers say that how a brand makes them feel is 1.5x more important than any other factor in their buying decision¹.



Designing the right online, offline (and hybrid) experiences extract all forms of value from the experience economy

Functional online experience



Emotional offline experience



Offline channels valuably consume consumers' time by ...



Incorporating visual, olfactory, auditory stimulants in-store to create sensorially engaging experiences



Providing opportunities for personal interactions between customer and employee

Hybrid experience

Deliver immersive experiences that fulfil a need in a short amount of time...



Livecommerce



Personalized virtual appointments



Online channels save consumers' time by ...





Uniqlo's museum-quality flagship store

In September 2021, Uniqlo revamped its' flagship Ginza store by adding several experiential elements to the store design.



After purchasing over 1500 yen, customers are eligible to use the photo booth with changing wallpapers and stamps



Uniglo's first ever café serves the brands inhouse coffee brew and also partnered with the famous Ginza West confectionary, to serve cookies and baked goods.



Uniqlo also set up a custom-order salon where customers can get measured for perfectly fitted suits.

Why does it work?

Creates emotional affinity by commemorating customer experience with a physical memento

Establishes effective partnerships to collaboratively elevate their experiential delivery

Diversifies offerings from off-the-shelf merchandise to customizable goods



DBS's experiential #UltimateHawkerGame

In 2021, Singapore's DBS Bank launched the #UltimateHawker mobile game, geared at increasing usage of their mobile payment app, PayLah!, while celebrating Singapore's hawker food culture.



Players travel across Singapore to find virtual hawker stalls (most of which are located at real hawker stalls)





Players earn in-game powerups when scanning to pay with PayLah! at real hawker stalls





Players get cash rewards debited into their PayLah! Accounts for cooking virtual local dishes to feed the 'monsters' in the game

Why does it work?

Strongly resonates with the Singaporean identity and pride in hawker food culture

Creates fun experiences by gamifying the in-app experience

Reinforces app usage by rewarding customers for usage (ie. Get cash)



The Experience Economy – choose evolution or irrelevance

Canalys Smartphone Market Pulse: Q2 2021

Vendor	Q2 2021 shipments (million)	Q2 2021 Market share	shi (
Samsung	58.0	18%	
Xiaomi	52.8	17%	
Apple	45.7	14%	
Орро	32.6	10%	
Vivo	31.2	10%	
Others	95.8	30%	
Total	316.0	100.0%	

Apple: 42% of global smartphone profits



The experience economy will grow through the "gales of creative destruction" - to render irrelevant those who relegate themselves to the diminishing world of goods and services.

Joseph Schumpeter, economist



The hefty return on delivering experiences



Companies that provide an emotional connection¹ with customers outperform their competitor sales growth by...

85%



Leveraging on experience potentially reduces marketing and sales costs by...

10-20%



Positive and engaging experiences with companies raise customer satisfaction scores by...

20%



Positive customer experiences increase sales conversion rates by...

10-15%

What does this mean for businesses?

Orchestrate experience – not just products and services!

- Businesses now need to be oriented towards serving outcomes of customer desires, rather than just fulfilling desires.
- Customer journeys while interacting with brands are broad, with expectations differing across each stage. Enhance each aspect of the journey through partnerships.
- Review your organizations existing definitions of customer success to include experiential and emotional outcomes.

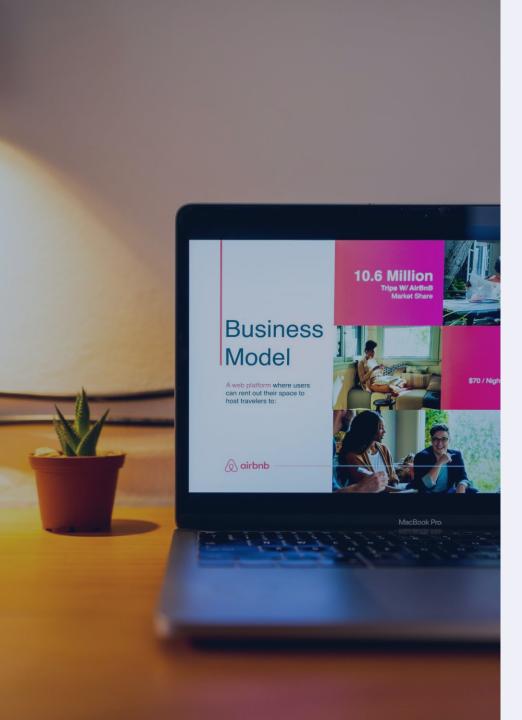


Action items for CEOs and boards

Elevate parts of the existing customer journey as a stepping stone into the experience economy

- Establish cross-functional teams to review and revamp individual aspects of the current customer journey.
- Establish new measures of success by measuring 2 ecosystem value and your organizations share of ecosystem value.
- Build a strong partnership philosophy and identify the 3 right partners to elevate the customer journey to successfully transition into the experience economy.





Adapting business environments:

#6:

Business model innovations







Product-as-a-Service / On-Demand Economy

Models that match expressed supply and demand in real time fulfil the consumer need for instant and unlimited access (at your fingertips)





The Ecosystem Model

An ecosystem model enables businesses to fulfil customers journeys end-to-end, locking in the process of instant service delivery.







Sharing Economy

The Sharing Economy is a peer-topeer sharing of services and resources. Stimulates sustainable practices by minimizing production and waste.



Case study: depop and the sharing economy

Depop & the sharing economy



Depop started out as a P2P platform for users to buy and sell used clothes.



It has since evolved into a marketplace for individuals and small business owners to sell their own upcycled brands.

How did Depop grow?

Identify a defined target market

under

of Depop's users

vears old

Identify and serve a value that resonates with target

According to McKinsey & Co, 9 out of 10 Gen Z consumers believe companies have a responsibility to address environmental and social issues.

Depop directly taps into that belief by building a circular business model that champions the reuse and resale of clothing

How is it paying off?

registered users

countries

revenue in 2020 (doubled sales from 2019)

sales are to repeat customers



Customers will never have to pay for anything (immediately) ever again

BNPL for everything



BNPL for auto dealers, service centers, optical practices, dentist offices.



BNPL for wedding expenses



BNPL for services like ride-hailing (Uber) streaming (Netflix), an mobile telephony.

USD 90 billion

In 2020

USD 4 trillion

In 2030



Note: Clients can read CB Insights' market outlook on buy now, pay later (BNPL) here.



What does this mean for businesses?

Flexibility and agility is key in supporting innovation

- Companies need to constantly review opportunities for innovations that deliver the most value; more than product or service innovation
- Companies have traditionally failed to innovate on the business model. Acquisitions and partnerships can help businesses stay on top of key industry shifts.
- Going digital is the key fabric for all new business model innovation trends. Build digital capabilities to ensure your business is agile enough to transition into a new era.



Action items for CEOs and boards

Build agile systems while monitoring opportunities for innovation

- Build a digital fabric based on cloud, Al and blockchain tech to enable the transition to new business models. Ensure every domain within the organization is up to speed on tech adoption.
- Develop a monitoring mechanism for the board & 2 executive teams to review opportunities for investment, acquisition and partnerships.
- Support the incubation of new businesses by empowering teams with funding and latitude to explore. Set up accelerators to encourage start-ups to innovate leveraging on your core business strengths (eg. Digital-only banking brands)



Part 3: Use the right tools

Understand society's behavioural changes



Societal trend #1:
Empowered individuals
driving change



Societal trend #2: Demanding climate action



Societal trend #3:
Maior geopolitical shifts

Adapt business environment



Business implication #1: Stakeholder centricity



Business implication #2:
Business model
innovations



Business implication #3:
The emerging
experience economy

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Use the right tools



Tech tool #1: Building the blockchain



Tech tool #2: Being cloud-first



Tech tool #3: Put AI in everything





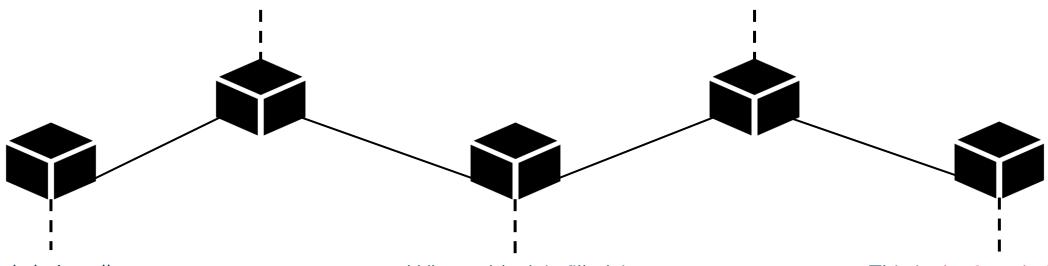
Use the right tools

#7:

Building the blockchain

After each block is filled, it is closed and linked to the previously filled block forming a chain of data (ie. A blockchain)

Blockchain therefore creates a record of transactions that is almost impossible to alter, delete or destroy.



A blockchain collects information in groups

known as blocks

When a block is filled, it is time-stamped and can only be edited if all previous transactions are rewritten

This is the foundation of immutable ledgers; the backbone to cryptocurrencies, NFTs and smart contracts.



What does blockchain have to do with decentralization?





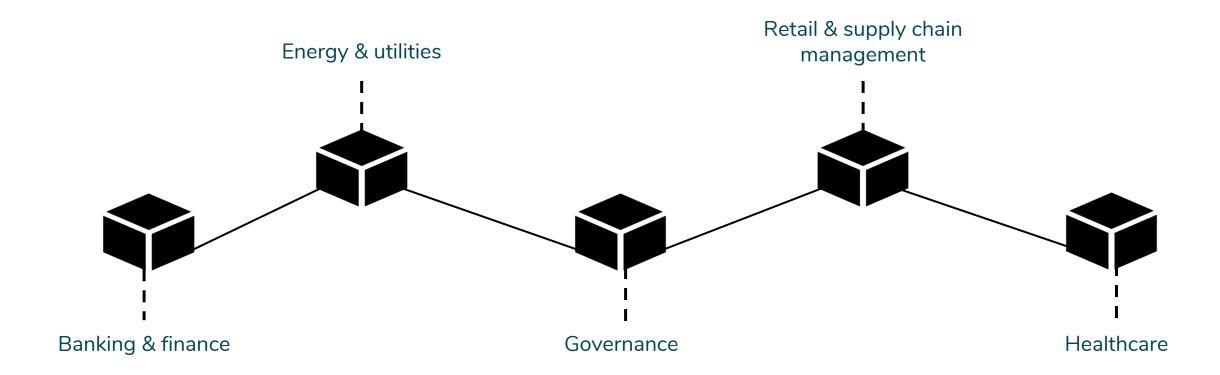


Server farms and data centres maintain databases which hold all of its clients account information in one location. This provides a single point of failure Blockchain allows data held in those databases to be spread out across several network nodes in various locations (ie. Decentralized)

The blockchain's decentralized structure maintains the fidelity of the data – altering one node does not affect other nodes, making fraud easily detectable.

The blockchain architecture is designed to distribute value and power across users, moving away from centralized power.





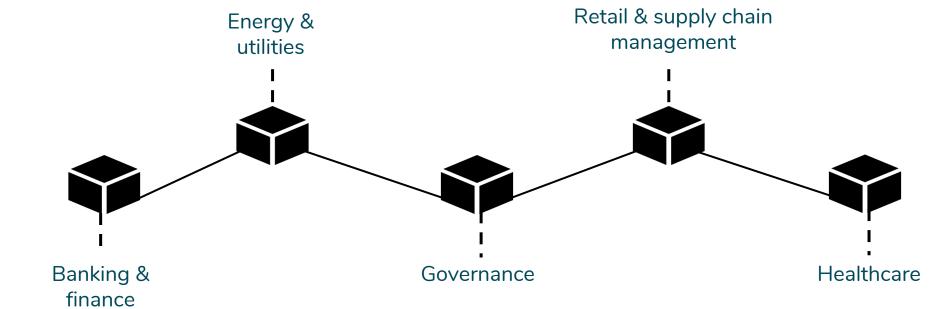


Generate and sell surplus energy through P2P networks

Know where your food is produced by scanning a QR code

#7:

Imagine being able



Make international payments anytime, anywhere

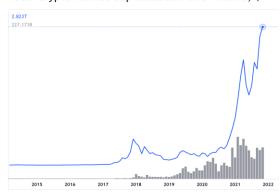
Securely vote online

Own, control and monetize personal medical information



The top use case of blockchain: virtual currencies

Total Crypto Market Capitalization and Volume, \$



Bitcoin, by market cap, is larger than Mastercard, PayPal and Visa put together.



President, Nayib Bukele

El Salvador passed the Bitcoin Law to officially make Bitcoin legal tender



NYC Mayor-Elect, Eric Adams announced that he will take his first 3 pay checks in Bitcoin

Present



How will cryptocurrencies develop in the future?



Sole legal tender of the metaverse (i.e. purchasing NFTs)



Futurist, Thomas Frey

Cryptocurrencies are going to displace roughly 25% of national currencies



Decentralized finance will enable branchless financial access to the unbanked.

By 2030 and beyond



91% of top banks have invested in blockchain solutions ...

"The blockchain is real. It's technology and we will use it."



Jamie Dimon

JPMORGAN CHASE & CO. "The future of payments is bound to live on the blockchain."



David M. Soloman



... to take advantage of new-found efficiencies

Reducing annual fraud losses with secured KYC & AML registries Facilitating secured payments through triple-entry accounting

Potential savings

Paper-based trade operational and compliance costs

10% - 15%

Average time taken for customer dispute resolution

20 days to immediate



What does this mean for businesses?

The blockchain transformation shouldn't be feared; it opens new doors!

- Reduce the number of trusted third-parties which in turn lowers costs of transactions and brings cost savings to customers
- Reduce the time needed to verify, secure and execute transactions from weeks to seconds
- Share company records and information in a transparent, trust-less environment
- Streamline reconciliation and consolidation of distributed records from various departments
- Introduce tokenisation and smart contracts to improve traceability and efficiency of supply chains



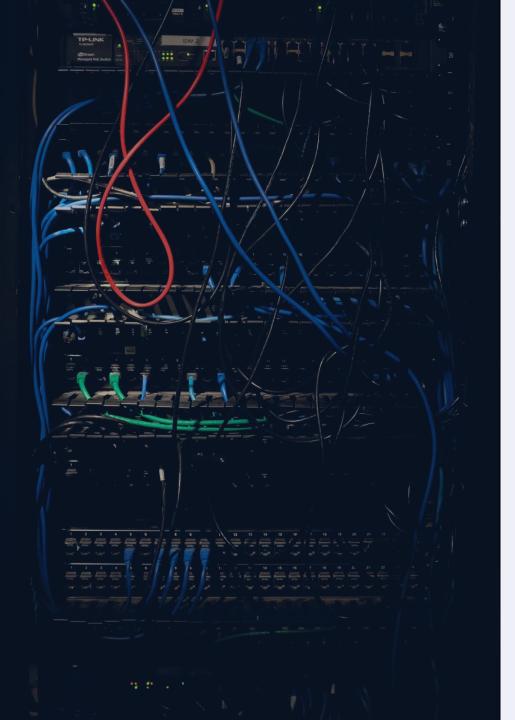
Action items for CEOs

Prepare for a fundamental shift in how businesses handle contracts, transactions and records.

- Start with single-use applications that have low business risks and minimal third-party coordination.
- Integrate new capabilities with internal functions blockchains could act as a database for asset management, identity verification, communication ledger.
- Invest in localized applications that can tackle organization-specific problems, but ensure seamless substitution of existing solutions.
- Experiment with transformative use cases that seem farfetched but are powerful when they enable innovative business models and value creation



and boards



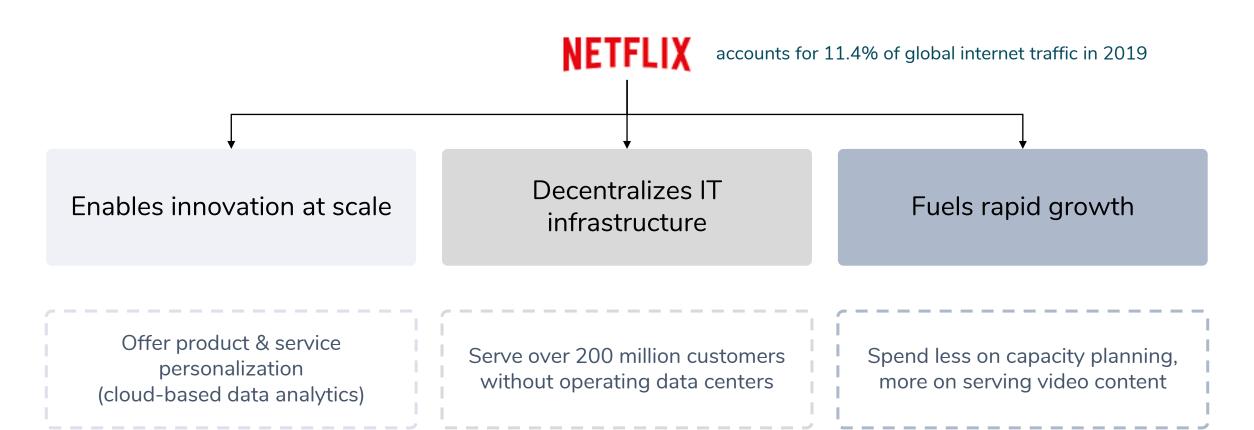
Using the right tech tools

#8:

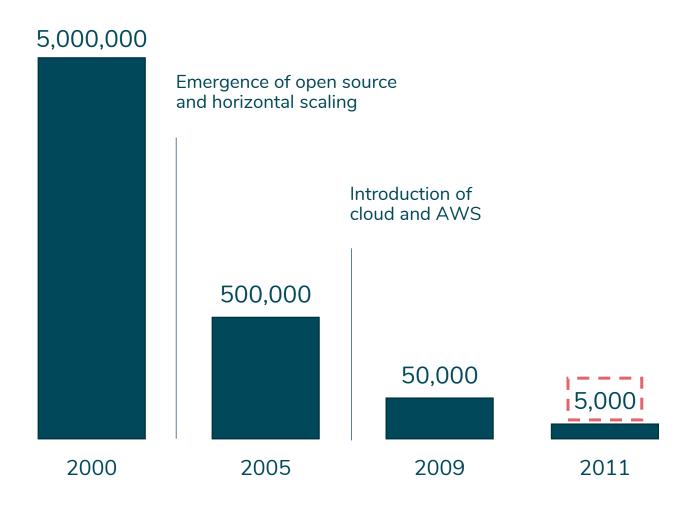
Leverage on cloud technology



Cloud infrastructure makes companies more agile



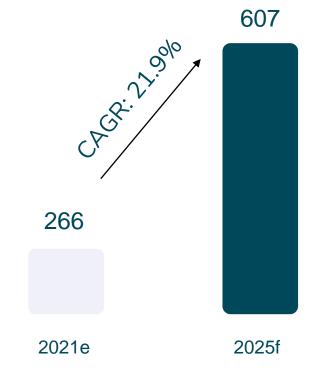
Cost to launch a tech startup (USD)



With hyper-agility comes hyper-competition

Global public cloud market size (USD bn, 2021e and 2025f)

#1 Companies are rapidly shifting to the cloud



USD 1.2 trillion

worth of value-add for Fortune 500 companies

45%

of enterprise IT spending will be on public cloud by 2026

70%

of all enterprise workloads will be deployed on cloud by 2023

30% to 40%

potential reduction of IT overhead cost



The world's biggest companies in 2020 are cloud providers

Cloud service providers (CSPs)









Cloud Revenue (FY 2020)	USD 59 B	USD 13 B	USD 45 B	USD 5.6 B
Market Capitalization	USD 2.2 T	USD 1.8 T	USD 1.6 T	USD 423 B
Global ranking (by market cap)	2nd	4th	5th	15th



What does this mean for businesses?

Cloud technology significantly shortens the path to accelerating innovation in businesses

- Accelerates product and service rollout. Imagine introducing a product or service to market in weeks!
- Builds open innovation platforms by allowing partnership with others.
- Helps businesses easily integrate new tech and capabilities at scale



Action items for CEOs and boards

Cloud requires investment;

Identify business domains that would benefit most from cloud platforms to help prioritize investments in cloud infrastructure. Note that cloud technology is a source of competitive advantage and not of cost-management.

Cloud needs the right operating model;

The full benefit of cloud can be realised with a proactive approach to innovation enabled by a tight integration of IT and business teams.

Cloud requires talent;

Identify the right technical talent by prioritizing engineering expertise, not head count. Shape HR policies around new recruiting requirements (e.g. Location policies, compensation packages)

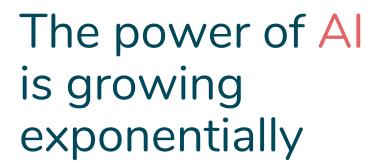




Using the right tech tools

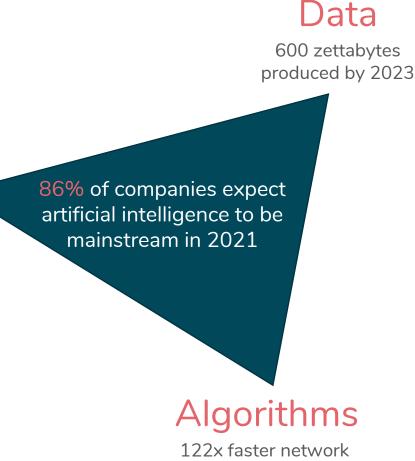
#9:

Integrate Al into everything



Computing Power

Doubling every 3.4 months



training time in 2 years





600 zettabytes produced by 2023

Computing Power

Doubling every 3.4 months

86% of companies expect artificial intelligence to be mainstream in 2021

Algorithms

122x faster network training time in 2 years

Al is already among us

- Personal voice assistants
- 2. E-commerce advertisements
- Navigation applications
- Grammar & spelling checks
- Social media filters



What can we expect from Al by 2030?

Observable

Trends

Industry

Use Cases

Automation of Al development and

implementation

Early cancer detection, surveillance and treatment

Mass adoption of Al chips capable of processing 400 TOPS



Fully-autonomous and connected, self driving vehicles



Mainstream attention on AI ethics and explainability



Low code, pretrained, easy-to-use Al platforms



Smart ecosystem of learning tools with personalized curricula



Personalized and assisted, in-store shopping experience



Al will revolutionize banking...

Front office Back office

Smile-to-pay facial scanning functions





Cognitive bots for basic servicing requests

Virtual loan officers with microexpressions analytics





Humanoid robots in branches to serve customers

Biometrics-based authentication and authorization





Mass document processing with machine vision and NLP

Preventive detection of fraud patterns and cybersecurity attacks



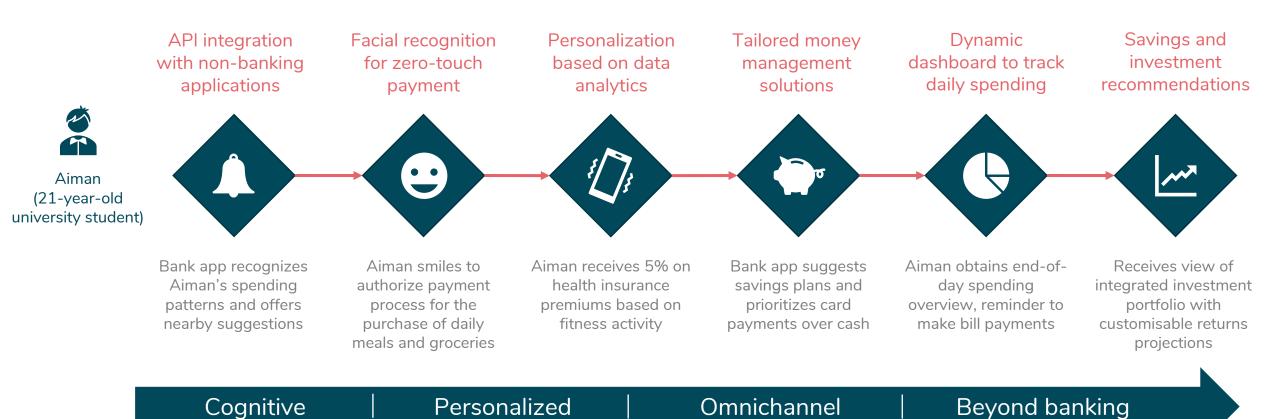


Real-time analytics and transaction risk monitoring

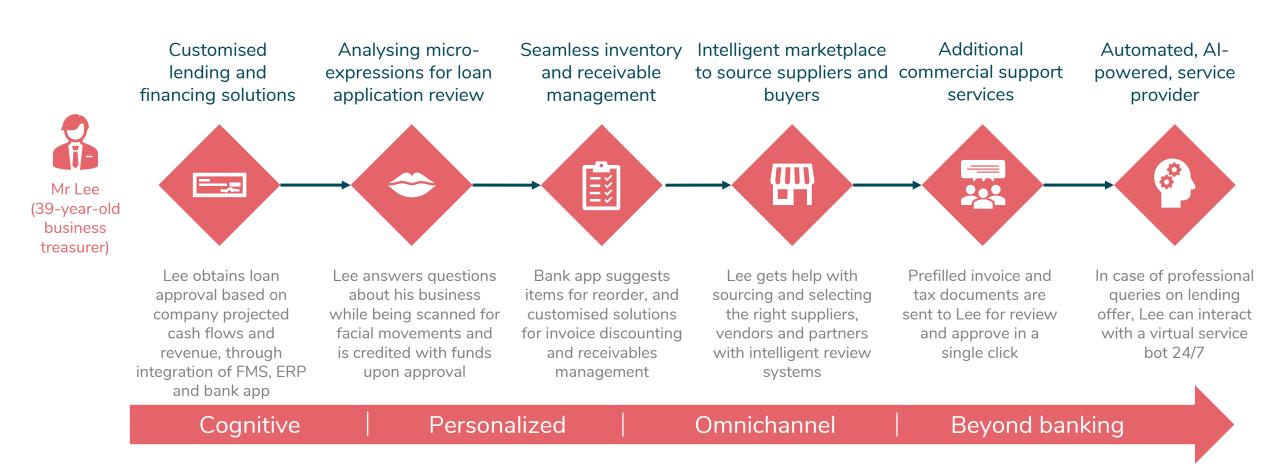
"For global banking, Al technologies can deliver up to US\$ 1 trillion in additional value every year."

(McKinsey, The executive's Al playbook)











Al's value lies in its ability to streamline processes while enabling quick identification and action on immediate opportunities

- Al enables efficiency by automating several back-end processes, thereby saving operating costs
- 2 Al supercharges data analytics and opens up new avenues for revenue gain
- Investment in foundational Al "readiness" speeds progress to more advanced adoption and time to value.

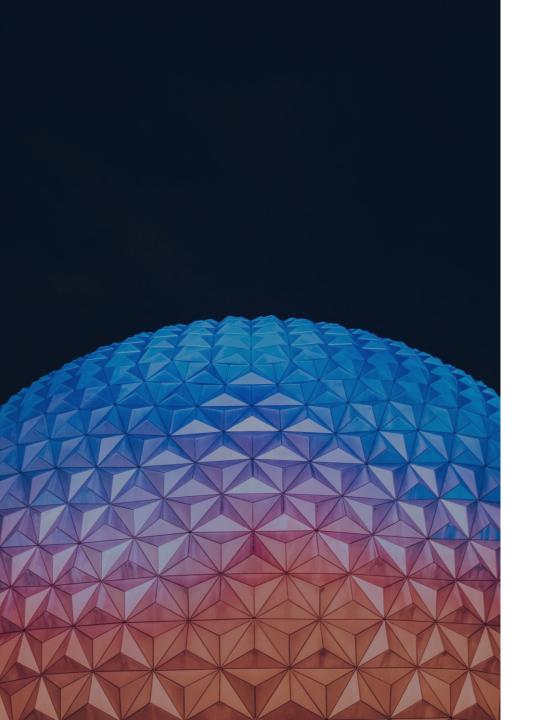


Action items for CEOs and boards

How to unlock business value held in Al:

- Skip the proof of concept! Prioritize Al adoption based on business impact, complexity and risk.
- Use what you have! Identify and organize existing data sets to unlock existing business value
- Adopt the right engineering principles! Establish crossfunctional teams well-versed in Al processes into individual projects.
- Measure everything! Identify key success factors and significant risks to map out the relevant metrics.
- Align Al processes with larger strategic goals. Focused Al projects should directly contribute to company goals/agendas.





How to move forward?

Make conversations about future-readiness a habit across the organization



Select

relevant trends within business units



Establish

cross-functional teams to collaborate to one purpose



Review

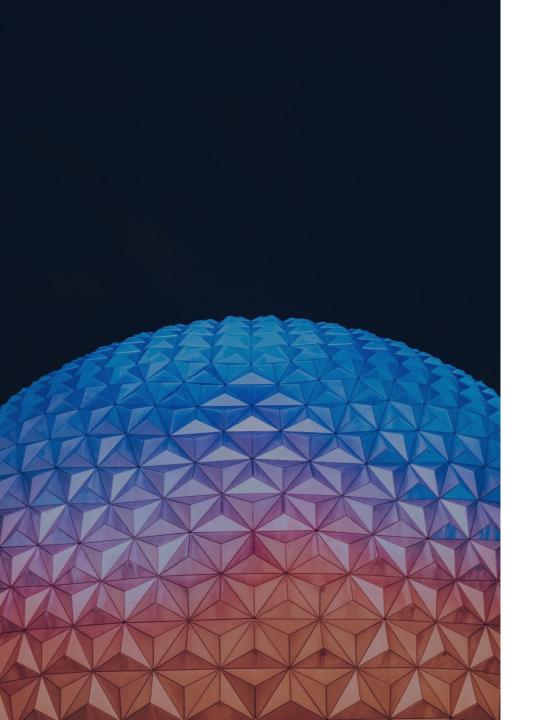
innovation opportunities from trends under consideration



Evaluate

priorities and operationalize the right opportunities





Have we missed anything?

Let's discuss in the comments

