

Commercial indicators capturing significant trends and opportunities towards a more sustainable economy.

Foreword

We are pleased to introduce Generation Investment Management's first Sustainability Trends Report, which documents the progress towards a more sustainable global economy.

Generation was founded in 2004 on the principle that long-term investing is best practice for investors and society alike. We believe it is critical for businesses and markets to understand the nature and magnitude of our sustainability challenges, as well as the related opportunities. To support that endeavour, we have created this compendium of commercial opportunities in sectors which we believe are central to the move towards a low carbon, prosperous, equitable, healthy and safe society.

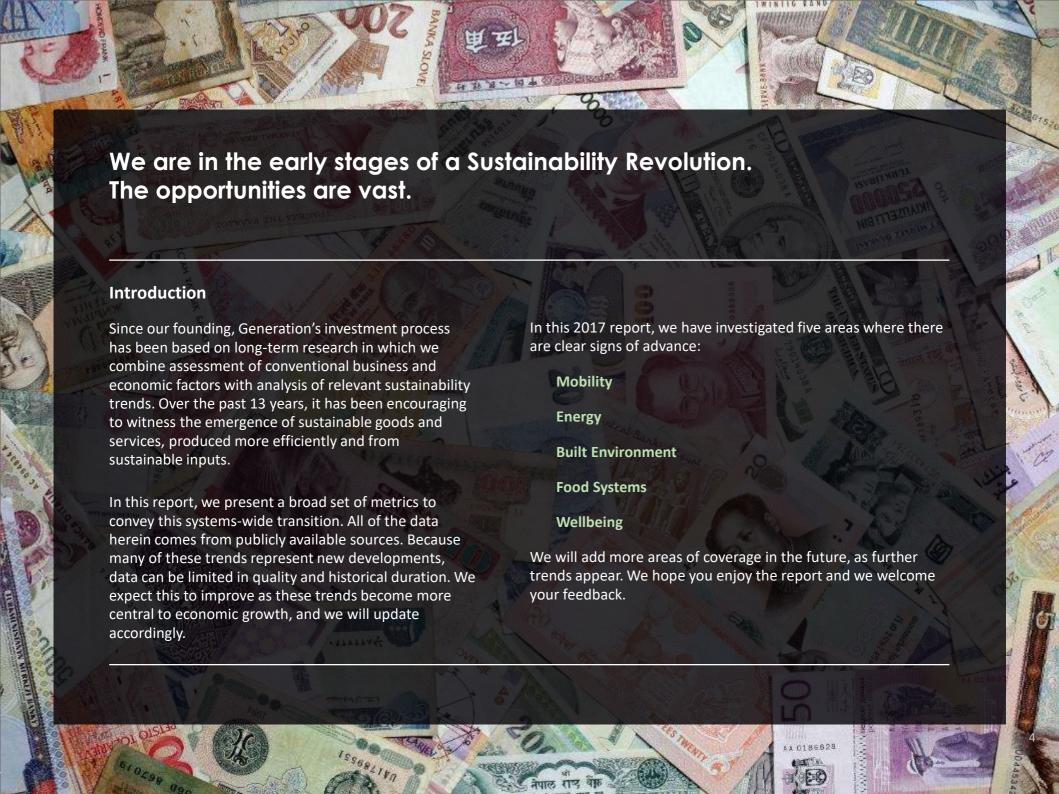
The trends in this report capture only the early stages of the "Sustainability Revolution". The risks posed by our many

environmental and social challenges, from climate change to inequality, remain significant. Our journey to a fully sustainable economy will require considerable changes in attitudes and behaviors from all stakeholders, and supportive policies at local, national and international levels. We do not pretend business alone can provide all the answers.

However, it is clear to us that many businesses are embarking on the journey, and are bringing new, more sustainable technologies to market and to ever greater scale. Such businesses are delivering growth, profits and employment, while shifting society and the planet to a more sustainable footing.

Progress is underway. Yet the magnitude of opportunity remains vast.

Al Gore Chairman **David Blood** Senior Partner



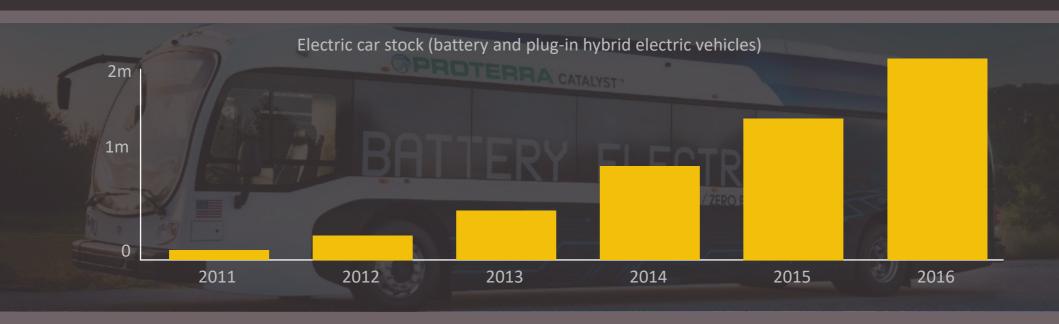






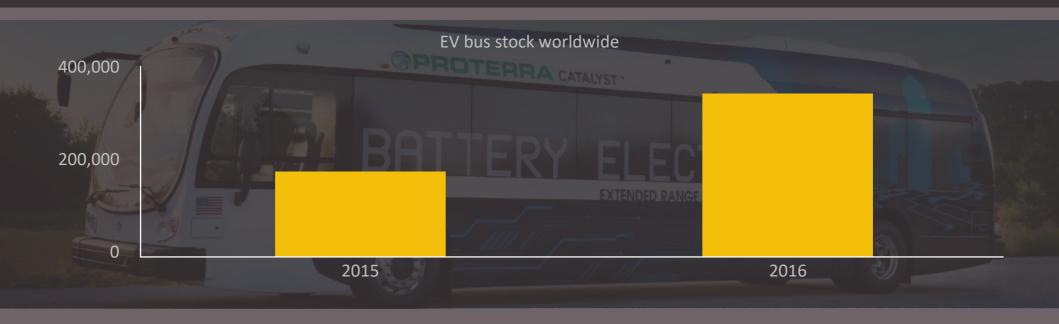


As of January 2017, the number of electric vehicles (EVs) on the road worldwide surpassed 2 million

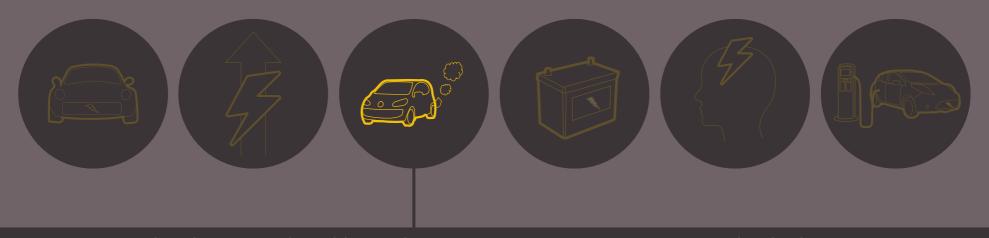




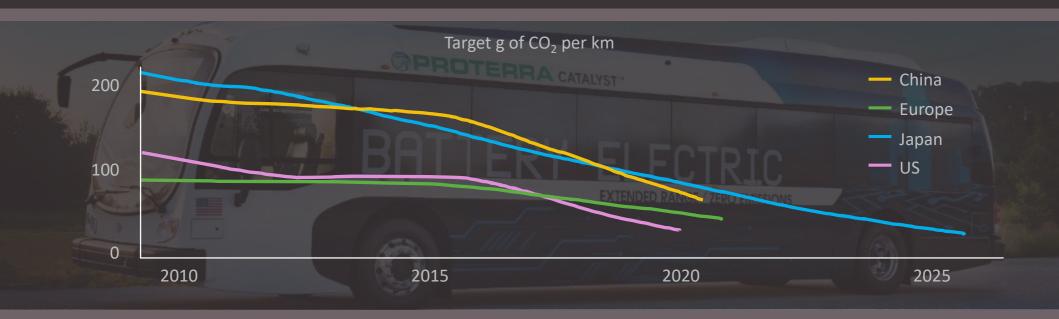
The global battery-powered bus stock doubled in 2016, and further market growth was evidenced globally in the two- and three-wheeler markets



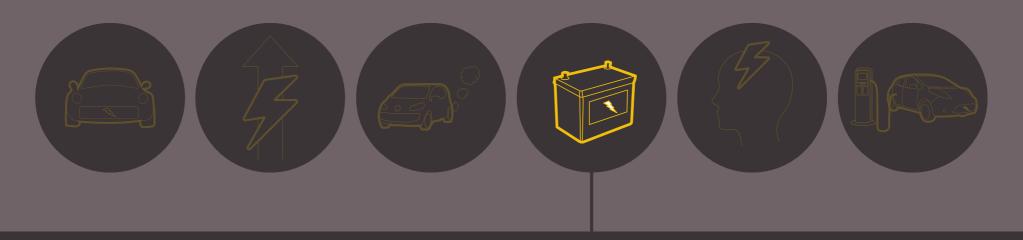
Source. IEA 2017



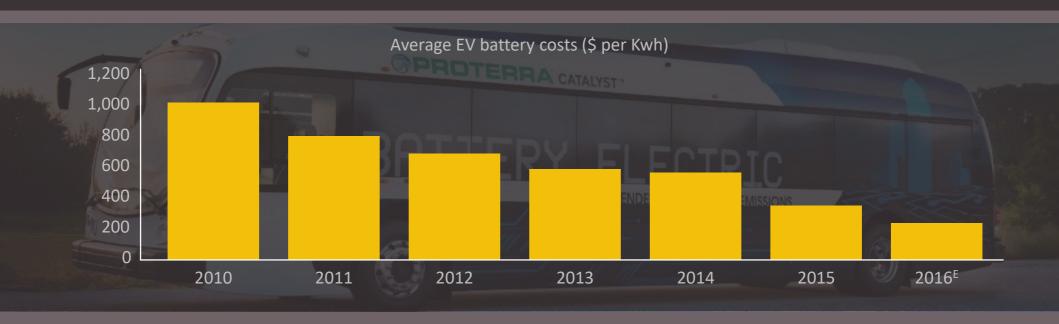
Progress has been catalysed by ambitious government targets around vehicle emissions: 6 countries have seen EVs surpass 1% of total market share



Source: The International Council on Clean Transportation



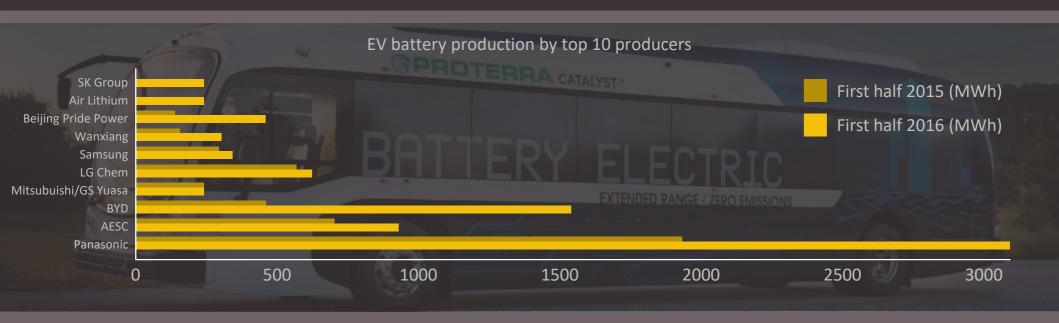
Progress has also been facilitated by the declining price of electric-car batteries



Source: Bloomherg New Energy Finance



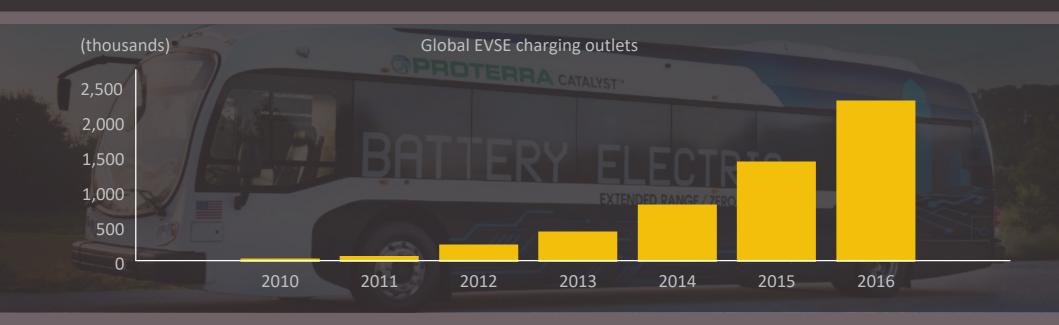
Consumer demand for EVs is being matched by innovation and greater supply from battery producers



Source: CleanTechnica 2016



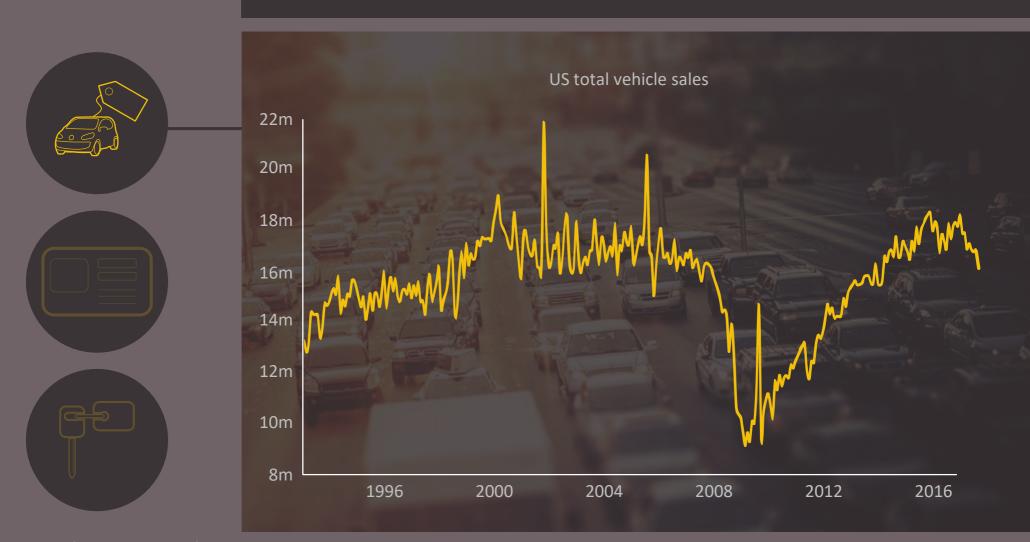
Advanced infrastructure developments, such as charging sites, draw users in



Source: IEA, 2017 Note: EVSE—Electric-vehicle supply equipment

Early signs suggest private car ownership may be on track to decline, leading to reduced congestion

Is "peak car" – defined by a plateau in sales – imminent in developed markets?



Source: Autodata Corporation; Tradingeconomics.com

Early signs suggest private car ownership may be on track to decline, leading to reduced congestion

Younger cohorts exhibit less interest in acquiring a driving licence



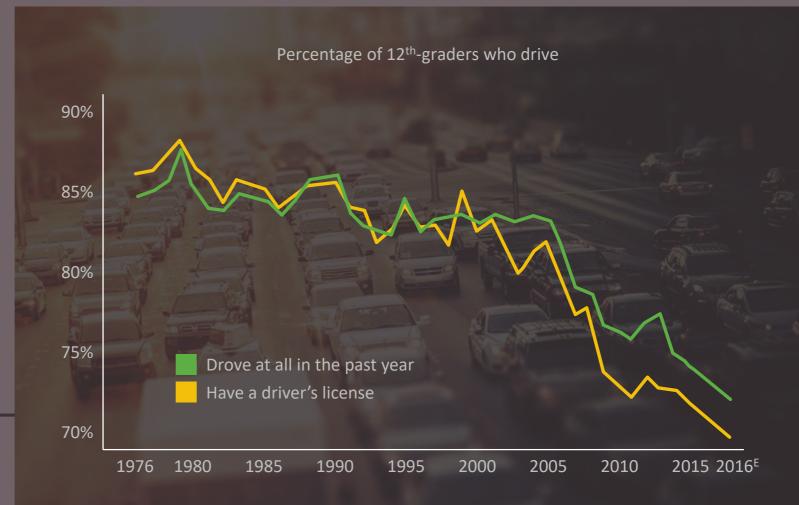


Source: University of Michigan Transportation Research Institute

Early signs suggest private car ownership may be on track to decline, leading to reduced congestion

This trend is especially pronounced in millennials

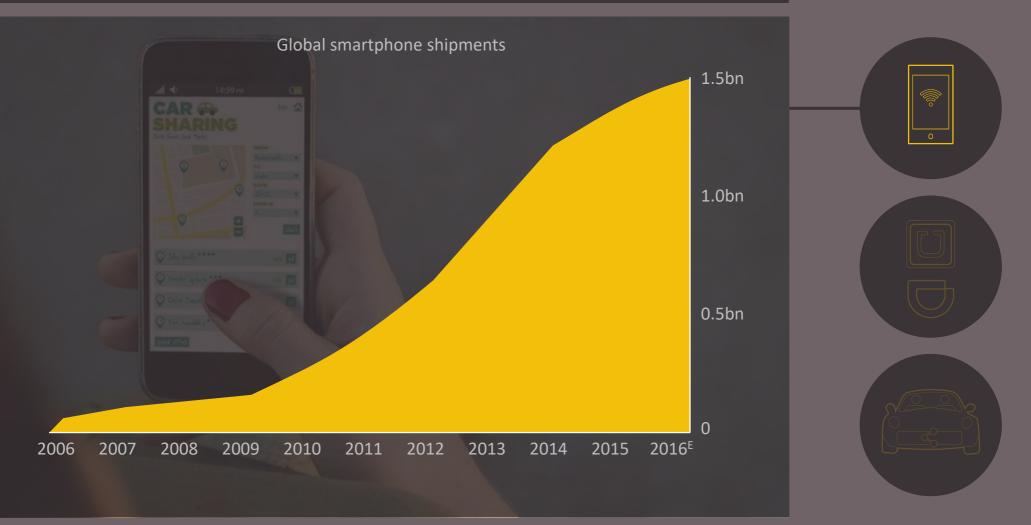




ource: The Atlantic

Increased connectivity has facilitated 'mobility-as-a-service' models

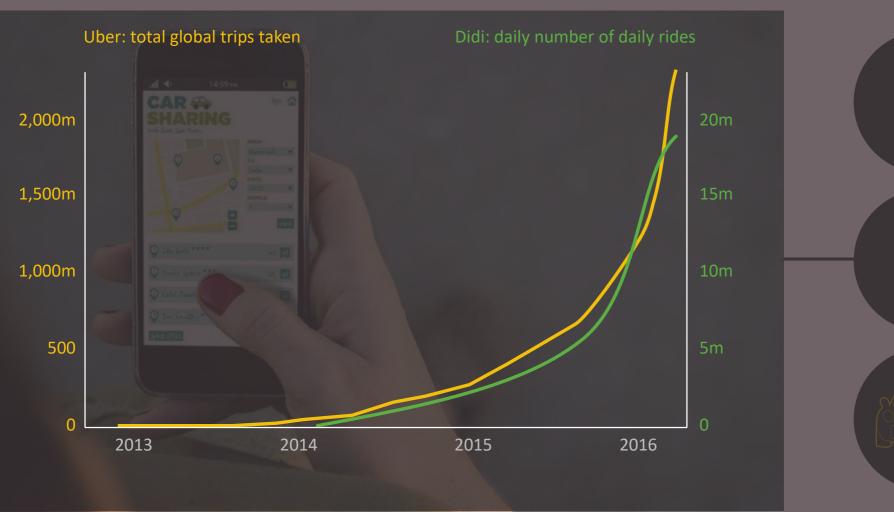
People are more connected than ever before...



Source: Statista: eMarketer

Increased connectivity has facilitated 'mobility-as-a-service' models

...allowing the emergence of disruptive operational models that have efficiency propositions relative to private car usage





Source: Uber

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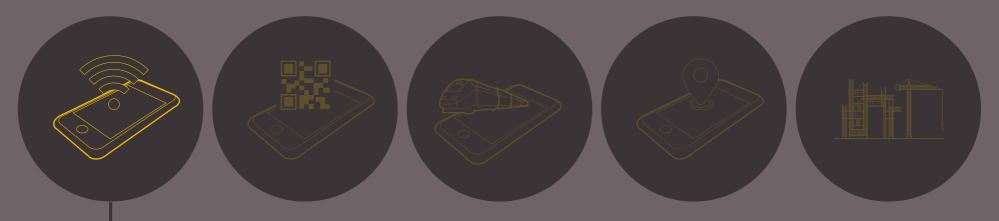
Increased connectivity has facilitated 'mobility-as-a-service' models

Similarly, global car-sharing membership has grown dramatically

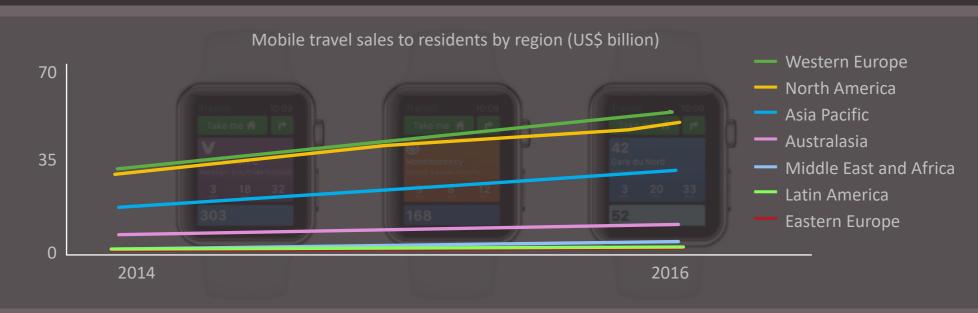




Source: TSRC, Winter 2016 Carsharing Outlook Note: Numbers reflect business-to-consumer (B2C) carsharing only, including one-way operations



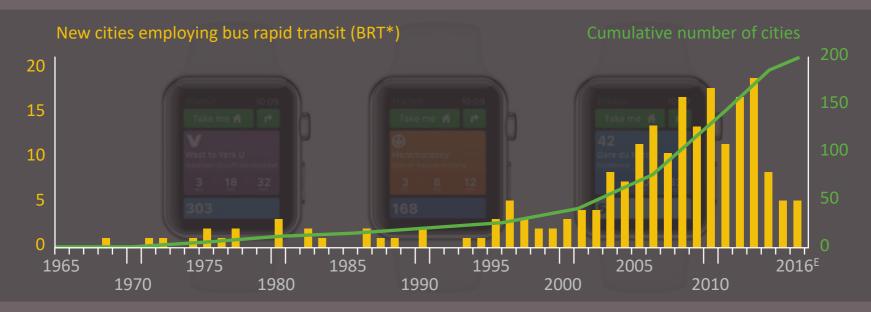
Travel sales – including bus and rail – by mobile devices are growing as more people turn to a digital booking experience



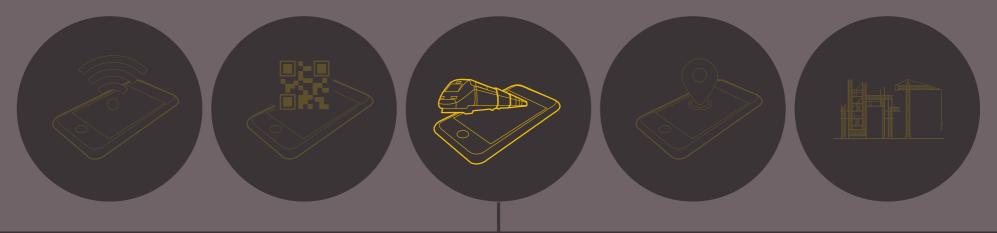
Source: Euromonitor International: Skift Research



Innovations in ticketing and other infrastructure have corresponded to an uptick in use of public transport



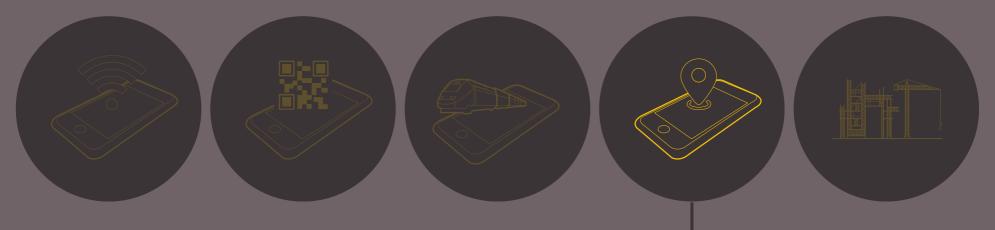
Source: BRTData Note: BRT is a bus-based public transport system designed to improve capacity and reliability



Improvements in access to public transport via digitisation are also seen in emerging markets



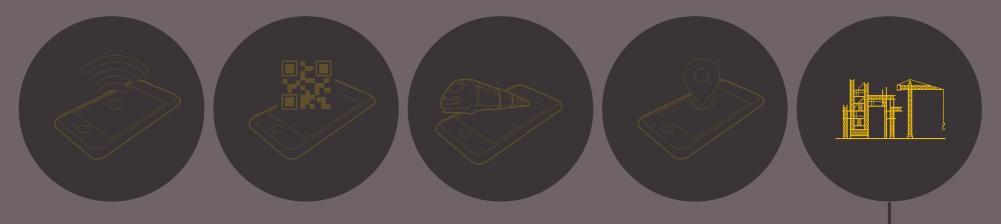
Source: Indian Railway Catering and Tourism Corporation



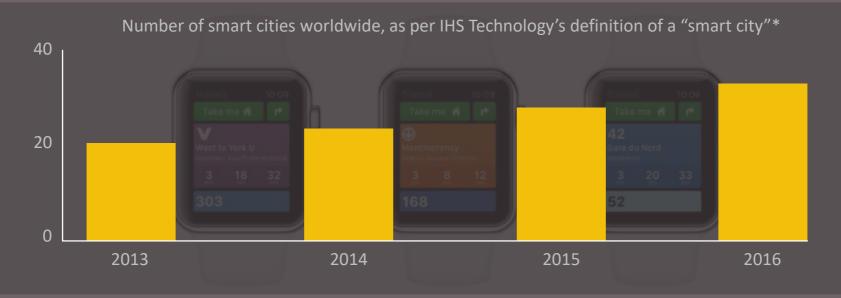
Further enhancements in multimodal booking is helped by the growth of location-based services



Source: Pew Research Center



And all of this is made feasible by an increased focus on city-level policy innovation and smart infrastructure investment

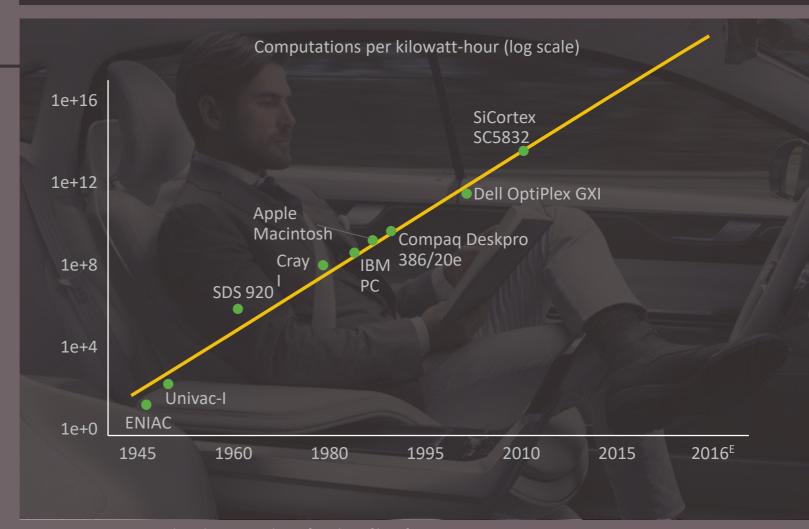


Source: IHS Technology Note: *Denotes an effort to use urban information and technology to improve efficiency of services

Improving computational efficiency has led to increased vehicular connectivity and autonomy

Complete with CPUs, GPUs, cameras, sensors, and networking hardware, cars continue to take advantage of increases in computing efficiency

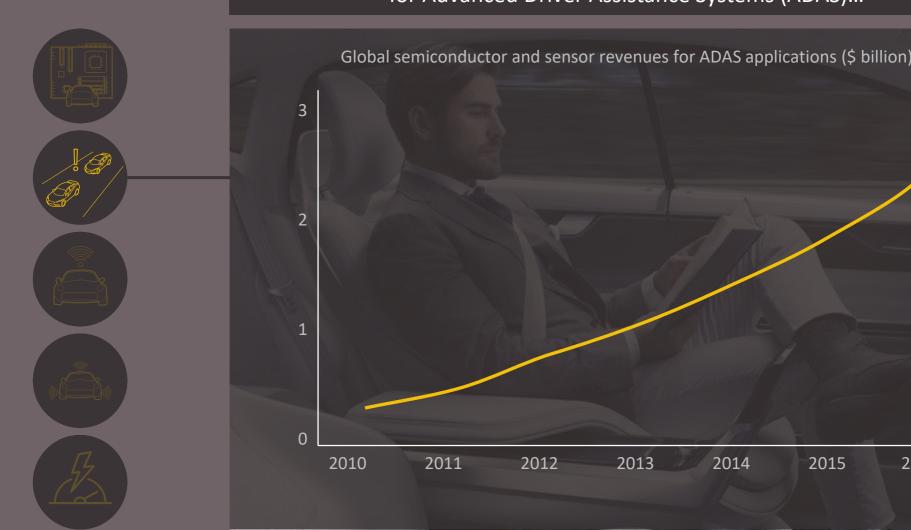




Source: Jonathan Koomey; The Economist Note: 2010-2016 estimates based on extrapolation from line of best fit

Improving computational efficiency has led to increased vehicular connectivity and autonomy

This is evident through growing semiconductor revenues for Advanced Driver Assistance Systems (ADAS)...





Source: IHS ADAS Semiconductor Intelligence Service; McKinsey & Company

Improving computational efficiency has led to increased vehicular connectivity and autonomy

...and the growing number of car models which now have automated driver assistance technologies



Source: Securities and Exchange Commission Mobileye 2015 Annual Filing

Improving computational efficiency has led to increased vehicular connectivity and autonomy

Companies are announcing fully autonomous capabilities for the very near future

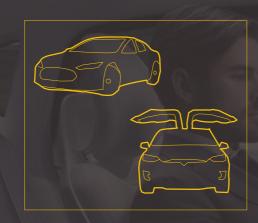




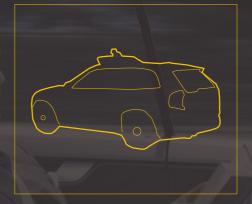




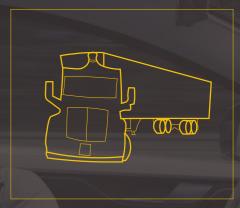




Tesla aims for the Model 3 to be the first mass-market autonomous car



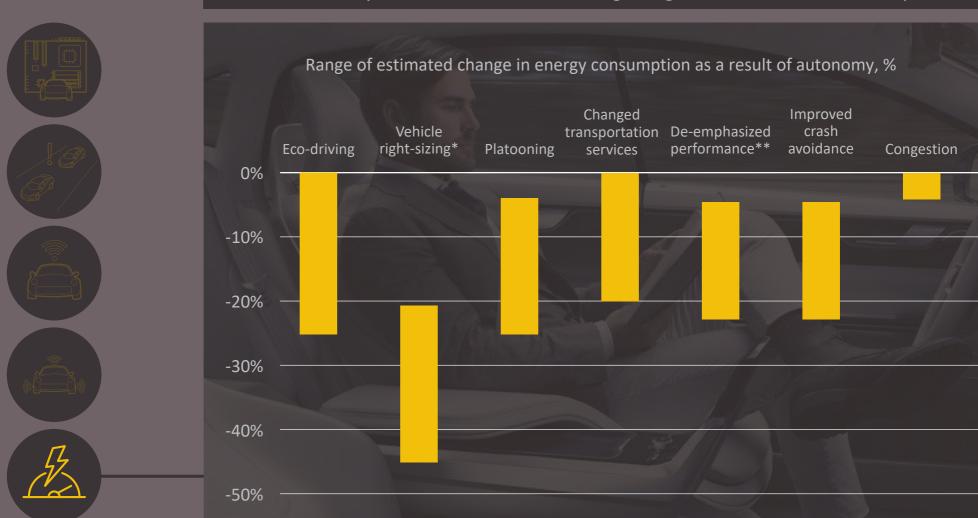
Uber released its autonomous cars in Pittsburgh as part of a pilot programme in September 2016



Google's Waymo released the first images of its autonomous trucks in early 2017

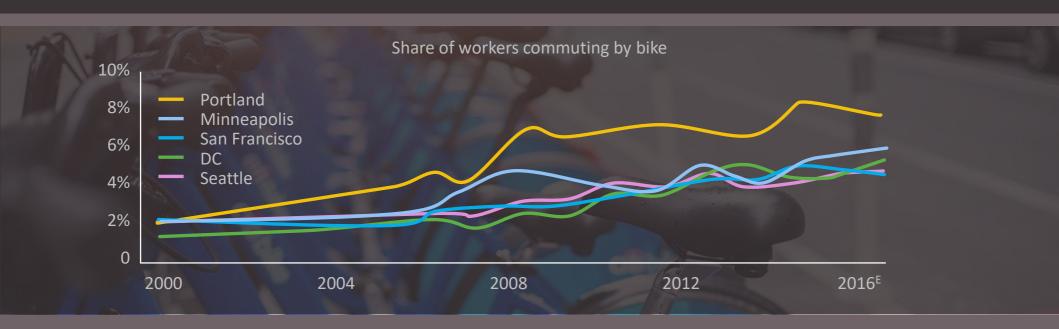
Improving computational efficiency has led to increased vehicular connectivity and autonomy

Connectivity and autonomy have significant implications on various sustainability considerations, including congestion and fuel consumption





Bicycling continues to become a more popular form of commuting to work across the US



Sources: US Census Bureau American Community Survey and Decennial Census



Sales of electric bikes are also on the rise



Source: Confederation of the European Bicycle Industry



Bike-share ridership in the US has grown over time



Source: National Association of City Transportation Officials



And this trend proves to be far-reaching as the number of global bike-sharing schemes continue to increase



Source: MetroBike





Increased global usage of efficient means of public transport and improved access for all



Growth in EV car registrations as a proportion of total cars on the road (plug-in EVs <1% in 2016 according to the IEA), and complementary grid support



Innovation around lithium and cobalt constraints and other sustainable supply-chain considerations

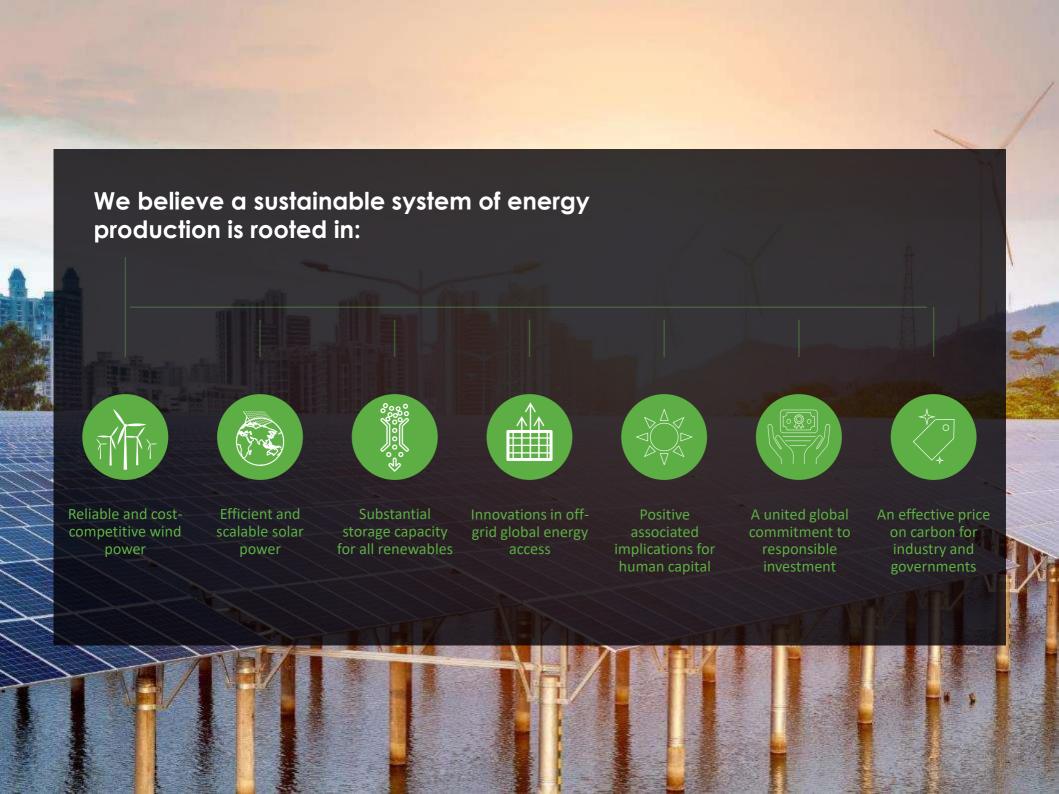


Comprehensive improvements in freight transportation

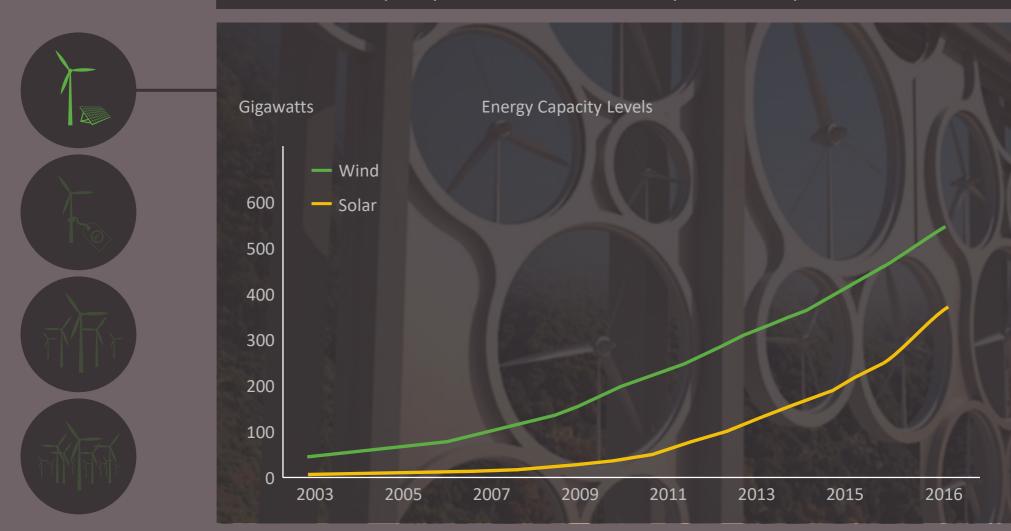


...among others



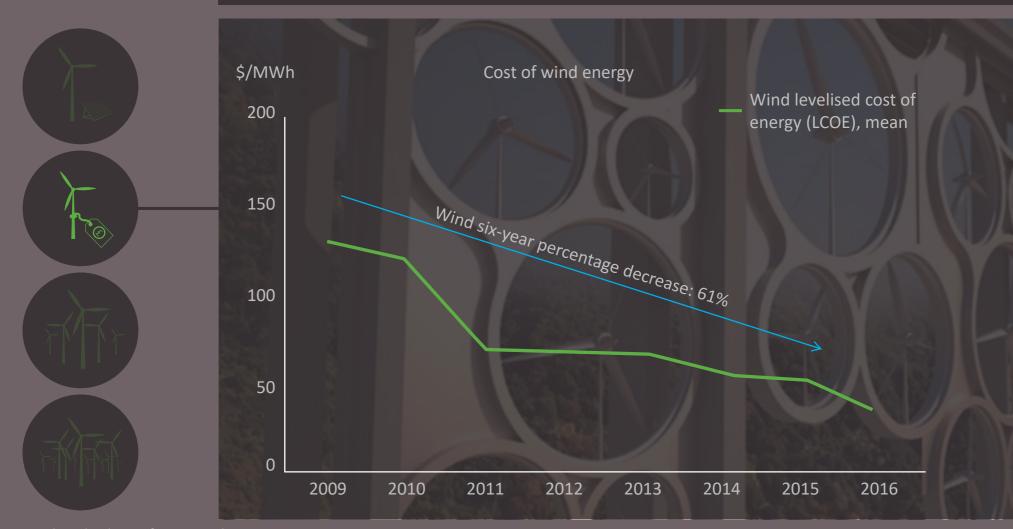


The wind market is more mature than the solar market: wind's capacity levels in 2003 were only matched by solar in 2011



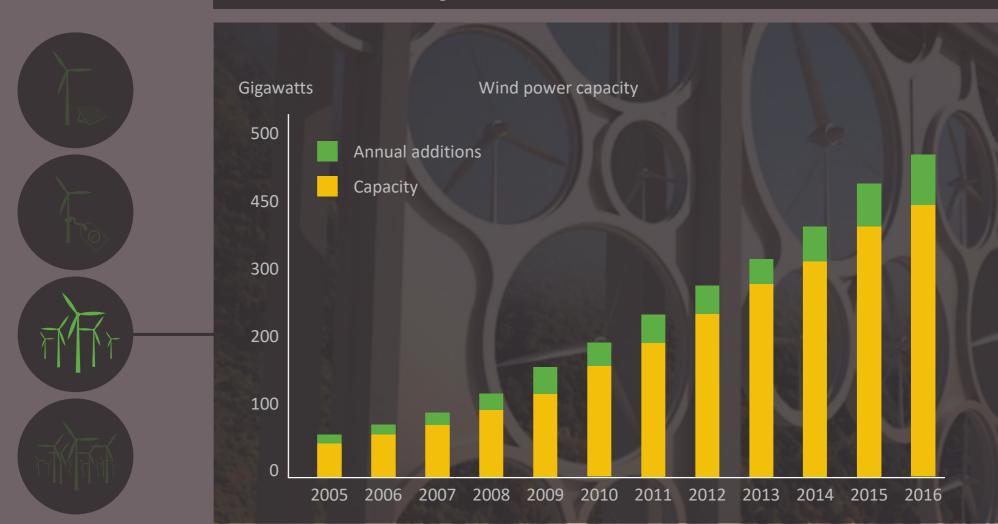
Source: REN21, European Photovoltaic Industry Association, BP Statistical Review of World Energy 2017 Note: Projections based on EPIA medium scenario

The cost of wind energy continues to decrease due to cheaper components and significant efficiency improvements



Source: Lazard Levelised Cost of Energy Analysis

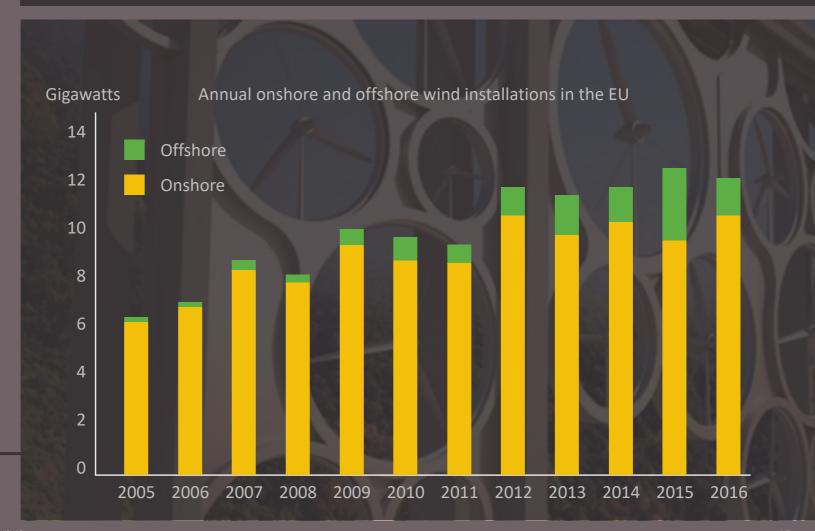
As a result, wind power continues to see year-on-year capacity growth, including a 12.5% increase between 2015 and 2016



Source: Ren21 Renewables 2016 Global Status Report; Global Wind Energy Council

Offshore installations have been an increasing contributor, especially in Europe

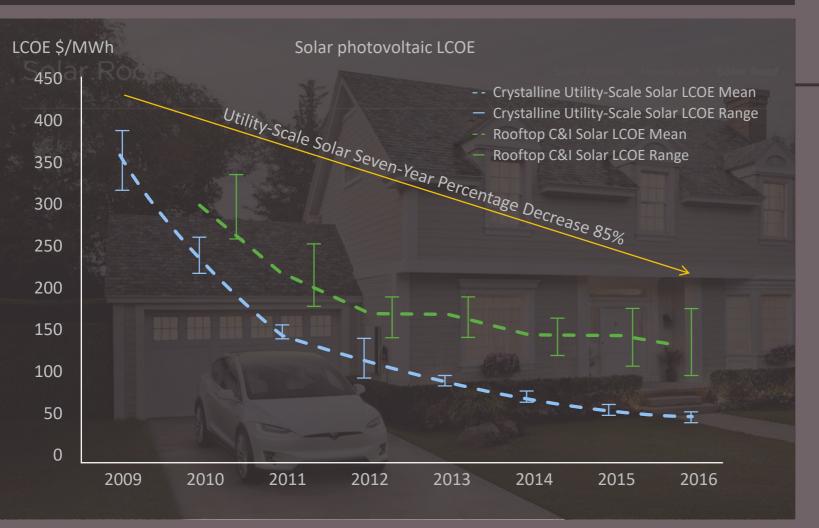




Source: WindEurope 2016 European Statistics

Installed capacity of solar energy has grown at a 50% CAGR* over the last eight years

The cost of solar continues to decline as production volumes increase: cost is no longer the major barrier to growth







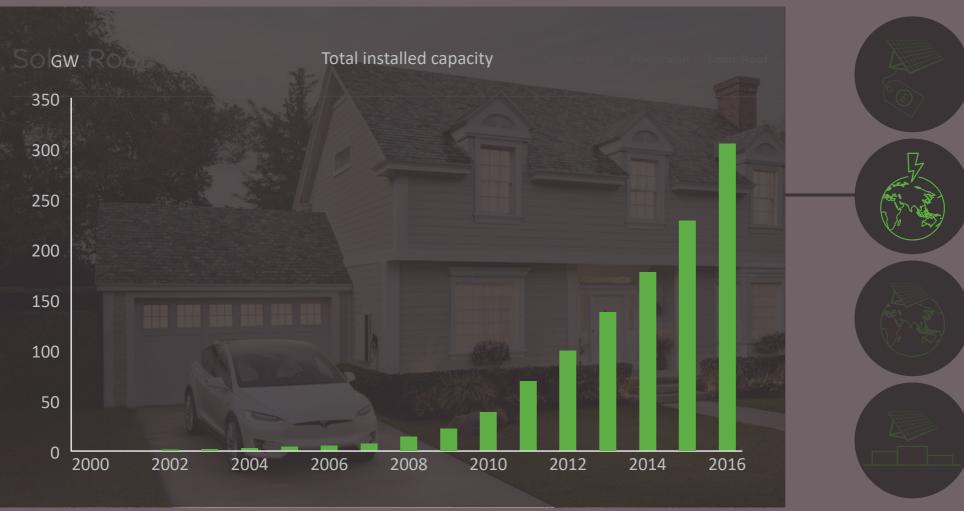




Source: Lazard *Note: Compound annual growth rate (CAGR) is a measure of growth over multiple time periods

Installed capacity of solar energy has grown at a 50% CAGR* over the last eight years

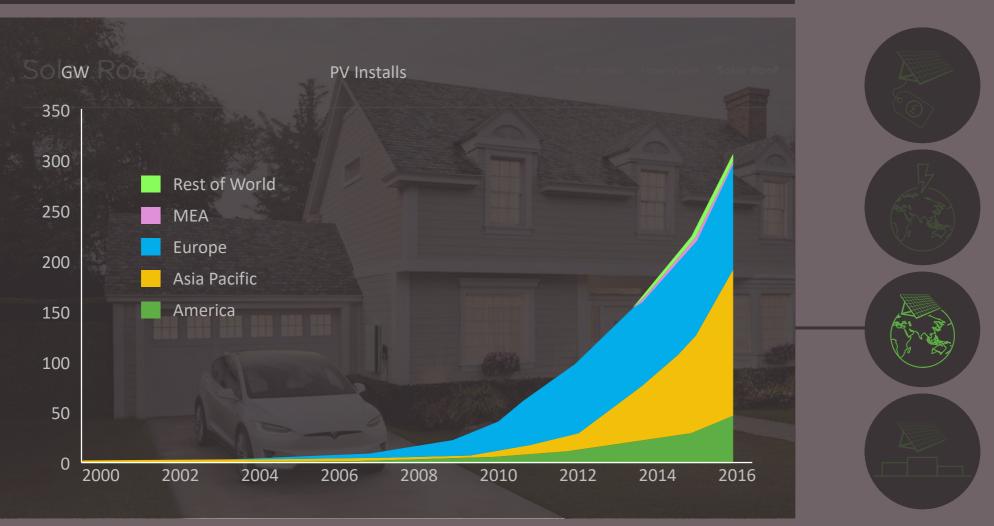
The total installed capacity at the end of 2016 amounted to more than 300 GW globally





Installed capacity of solar energy has grown at a 50% CAGR* over the last eight years

This is due in part to substantial growth in PV installations in Asia



Source: IEA 2016 Snapshot of Global Photovoltaic Markets *Note: Compound annual growth rate (CAGR) is a measure of growth over multiple time periods

Installed capacity of solar energy has grown at a 50% CAGR* over the last eight years

Today, we are at an inflection point where solar is competitive without subsidies



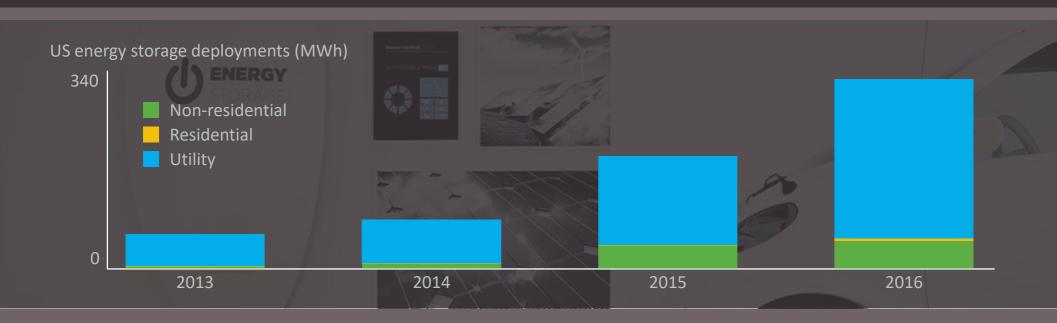


Source: Lazard 2016 *Note: Compound annual growth rate (CAGR) is a measure of growth over multiple time periods

The cost of storage is generally a bigger bottleneck than the cost of production, but capacity is growing and costs are declining



The energy-storage industry is rapidly innovating, with 2016 exhibiting significant growth

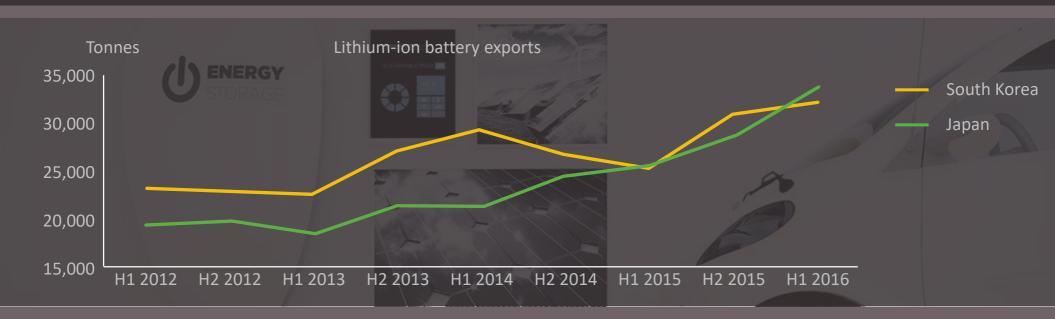


Source: GTM Research; US Energy Storage Monitor; Energy Storage Association

The cost of storage is generally a bigger bottleneck than the cost of production, but capacity is growing and costs are declining



The global lithium market continues to grow as lithium-ion battery exports see new heights

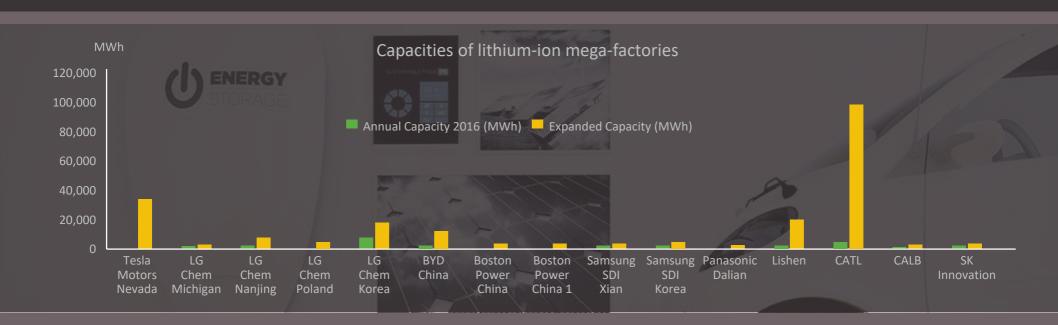


Source: Renchmark Mineral Intelligence

The cost of storage is generally a bigger bottleneck than the cost of production, but capacity is growing and costs are declining



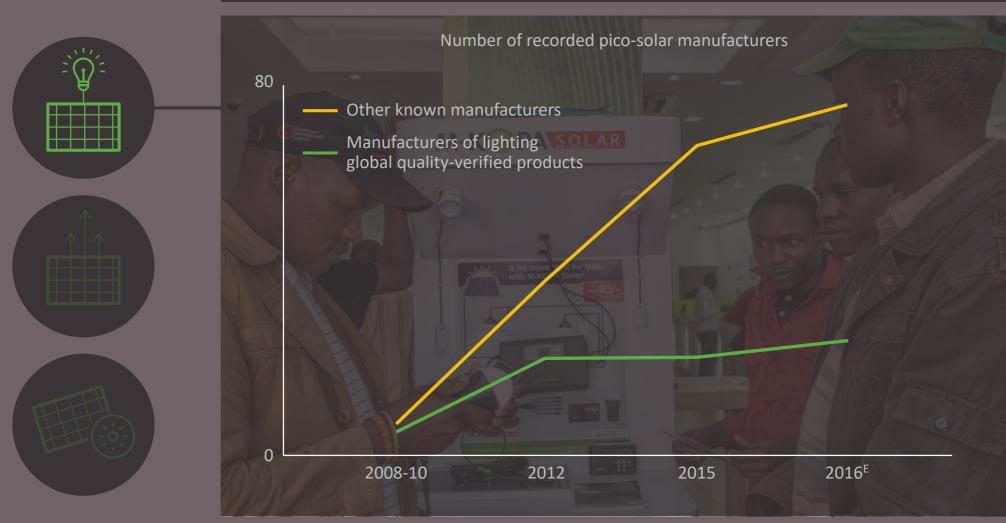
And lithium-ion mega-factories continue to increase capacity worldwide



Source: Benchmark Mineral Intelligence

Lower costs mean renewable technologies are becoming increasingly affordable in emerging markets

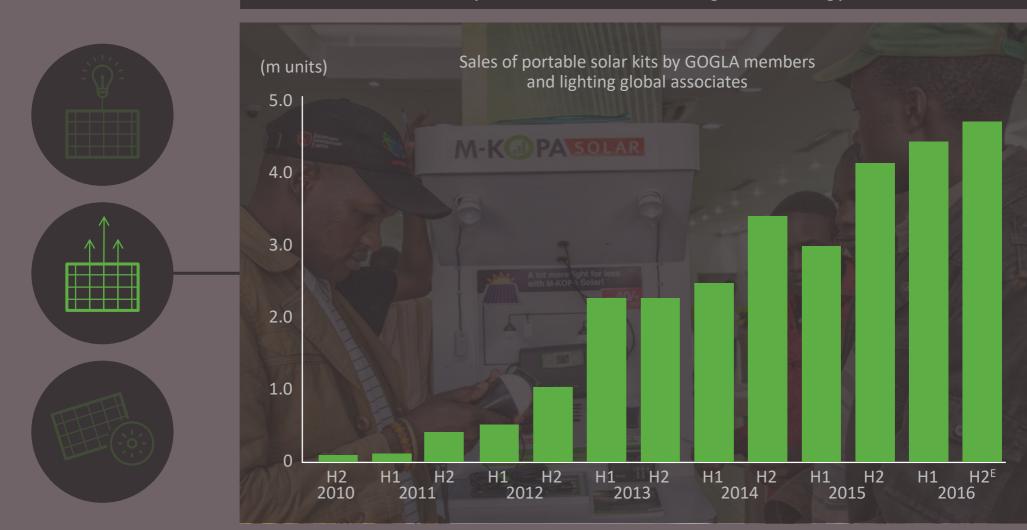
The number of known pico-solar* manufacturers continue to grow with new financing schemes emerging



Source: BNEF; Dalberg; Lighting Global *Note: pico-solar systems are smaller and cheaper than conventional solar systems, but can provide energy for low-power gadgets, such as cell phones

Lower costs mean renewable technologies are becoming increasingly affordable in emerging markets

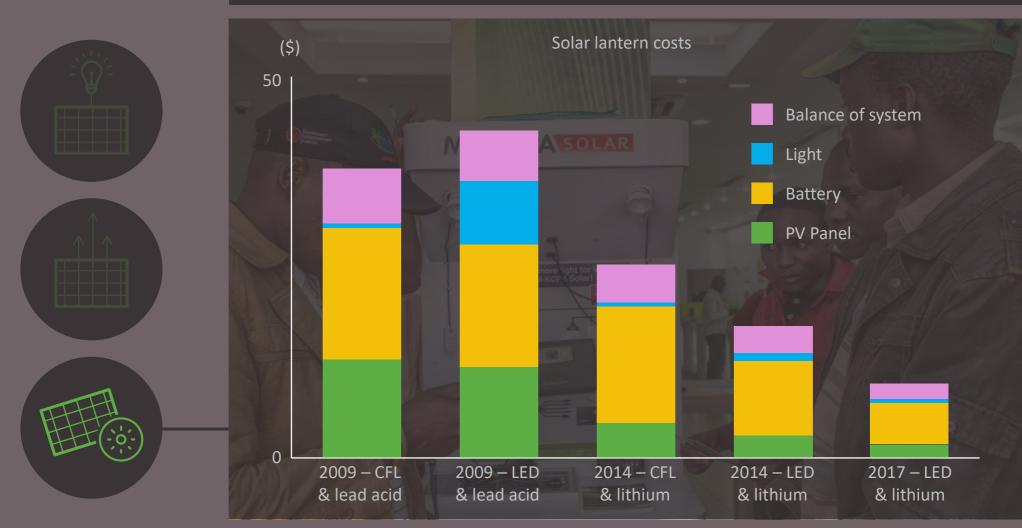
The off-grid renewables market continues to penetrate a space previously dominated by unsustainable and dangerous energy sources



Source: Global Off-Grid Lightning Association

Lower costs mean renewable technologies are becoming increasingly affordable in emerging markets

Solar lanterns are becoming cheaper due to decreasing energy and storage costs



Source: Lawrence Berkeley National Laboratory, BNEF

Renewable energy also represents significant employment potential

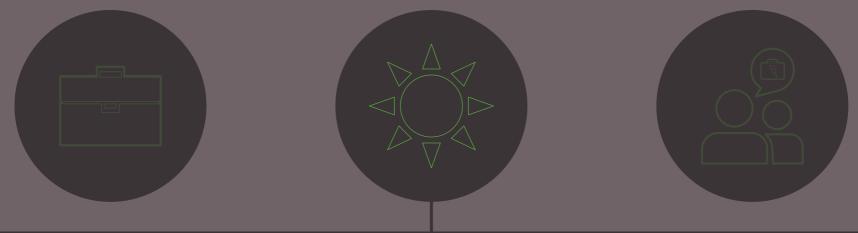


Solar now employs more people in US electricity generation than oil, coal and gas combined



Source: US Department of Energy

Renewable energy also represents significant employment potential



There has been strong growth in employment figures, which are increasing across all segments of the US solar industry

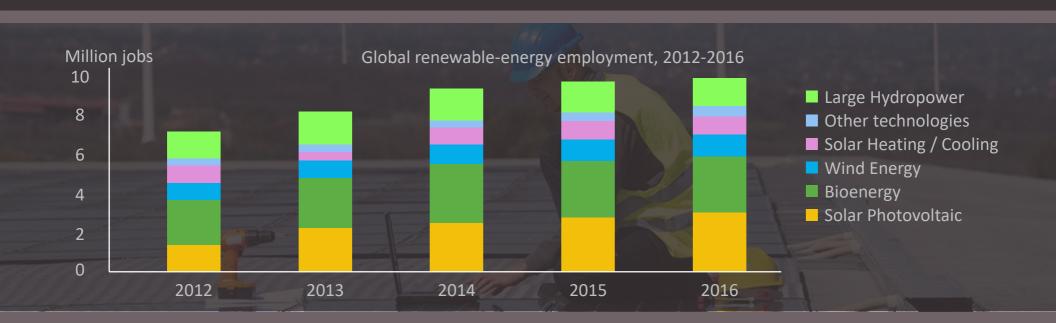


Source: US DOE

Renewable energy also represents significant employment potential

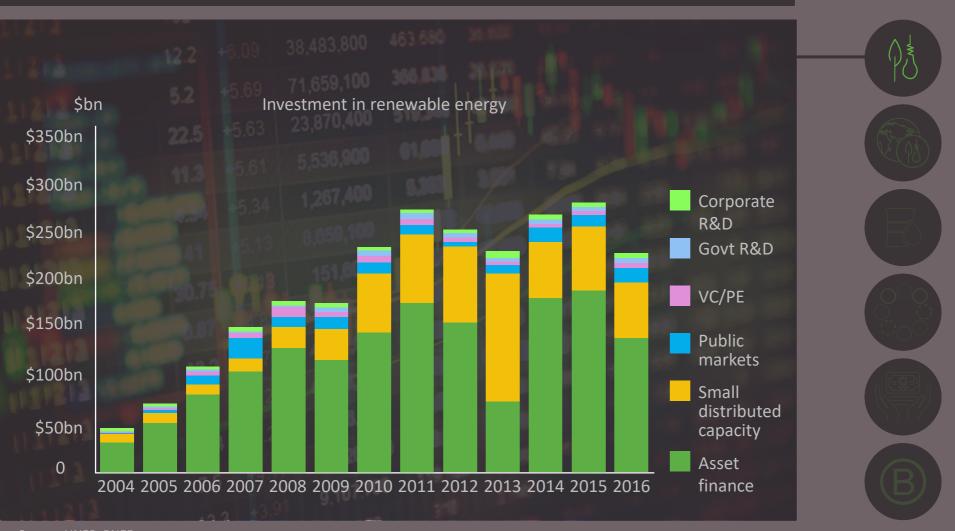


An upsurge in employment in renewable energy is also holding true on a global scale



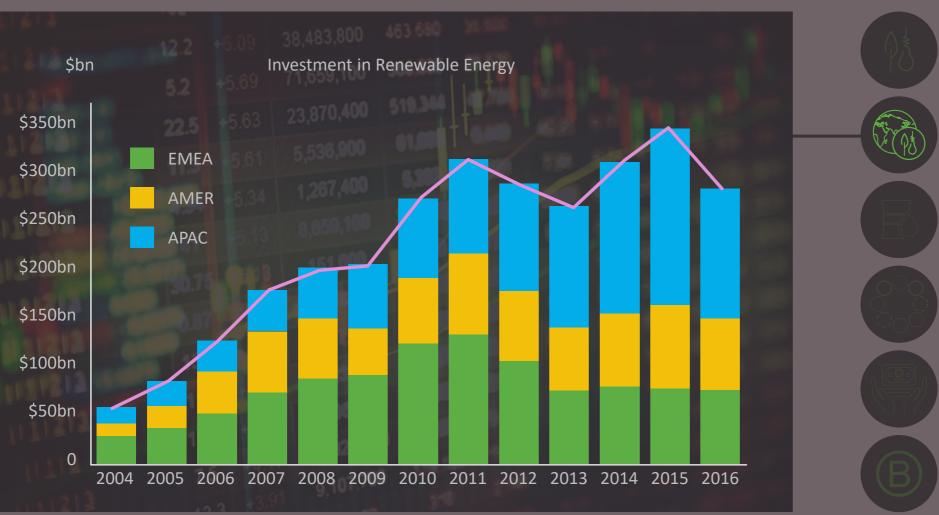
Source: International Renewable Energy Agency 2017

New investment in renewable energy is seen across asset classes...

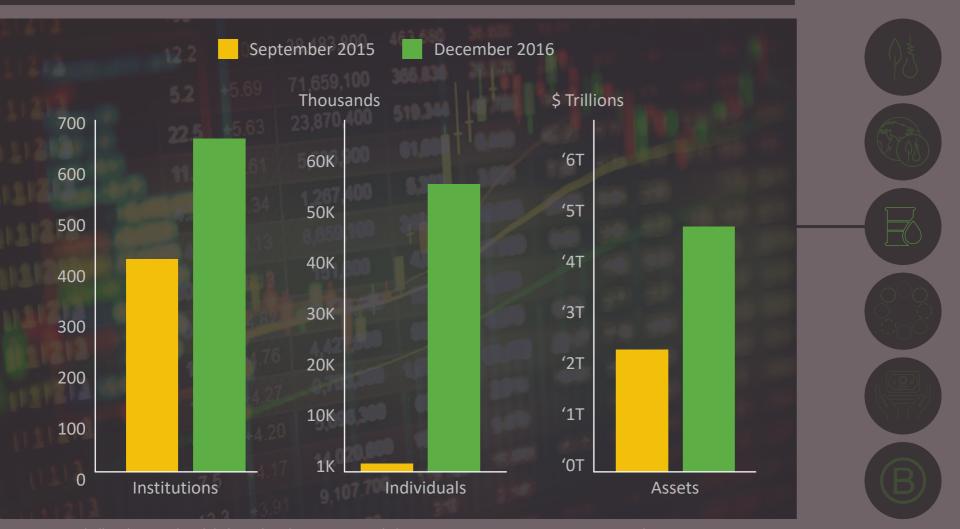


Source: UNEP, BNEF

...and across regions

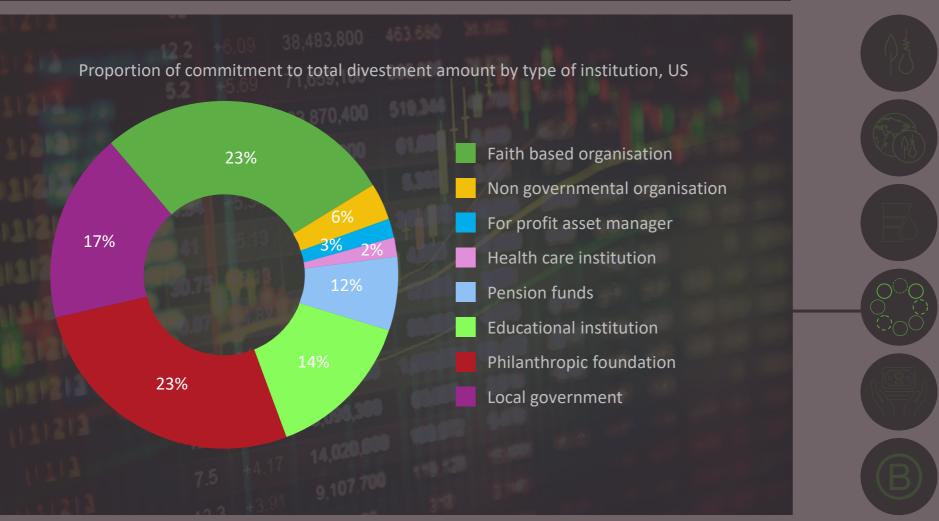


The movement towards divestment of fossil fuels is growing quickly...



Source: Arabella Advisors, The Global Fossil Fuel Divestment and Clean Energy Investment Movement, December 2016

...while divesting institutions are more diverse



The green-bond market has also taken off





Global companies committed to solving social and environmental problems are certifying as "B Corporations"

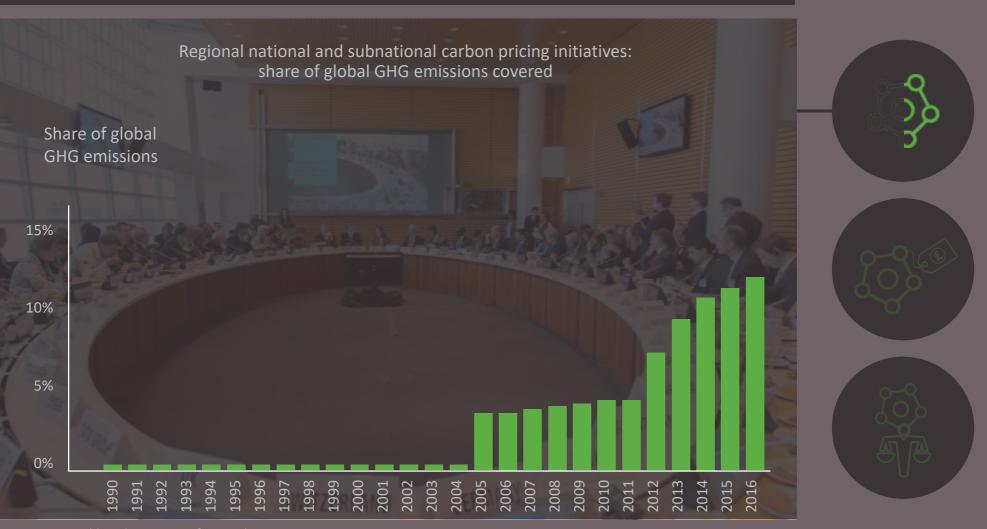




Source: B Corps

Traction towards decarbonisation is evidenced in pervasive support for carbon pricing

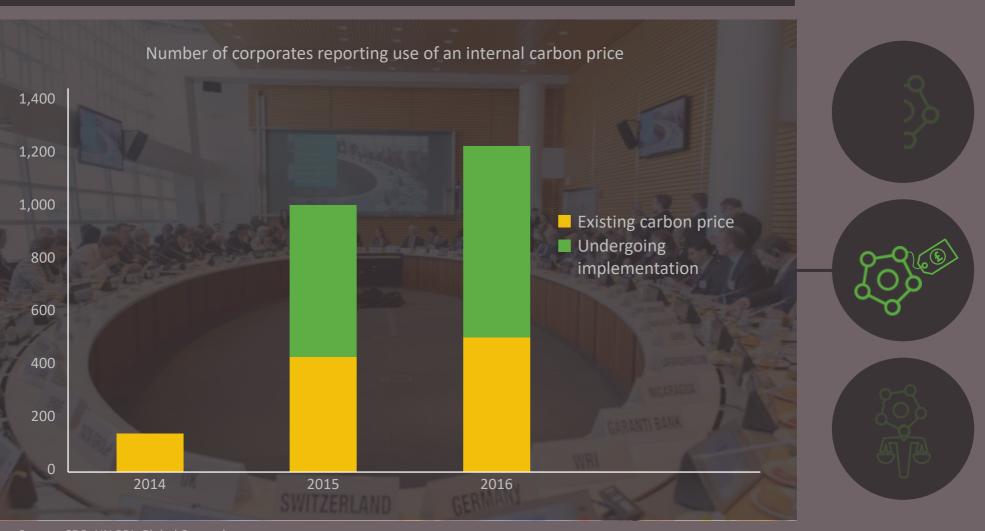
While the range of national carbon prices is broad, the share of global greenhouse gas emissions covered by pricing initiatives continues to expand



Source: World Bank Group, Ecofys, VividEconomics

Traction towards decarbonisation is evidenced in pervasive support for carbon pricing

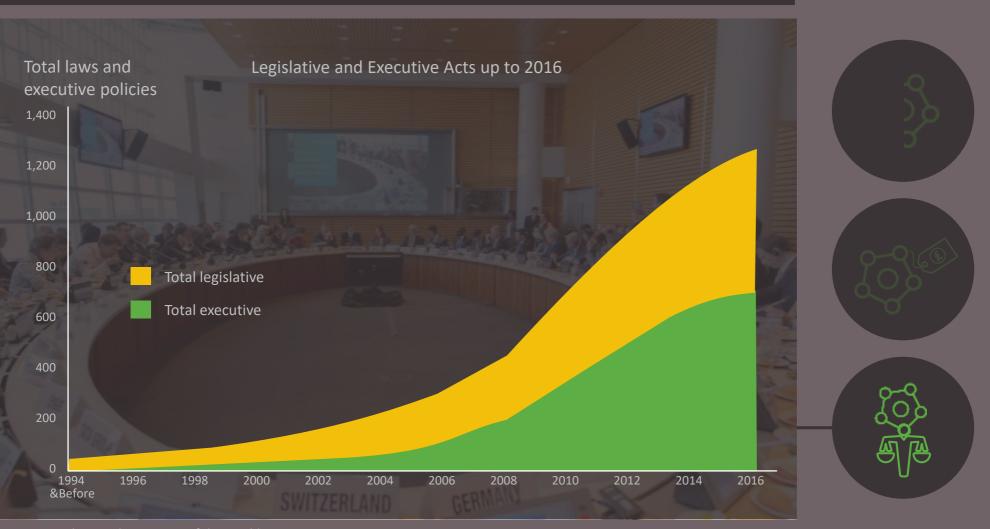
This trend is also true across the corporate world, where commitment to an internal price on carbon has increased more than threefold since 2014



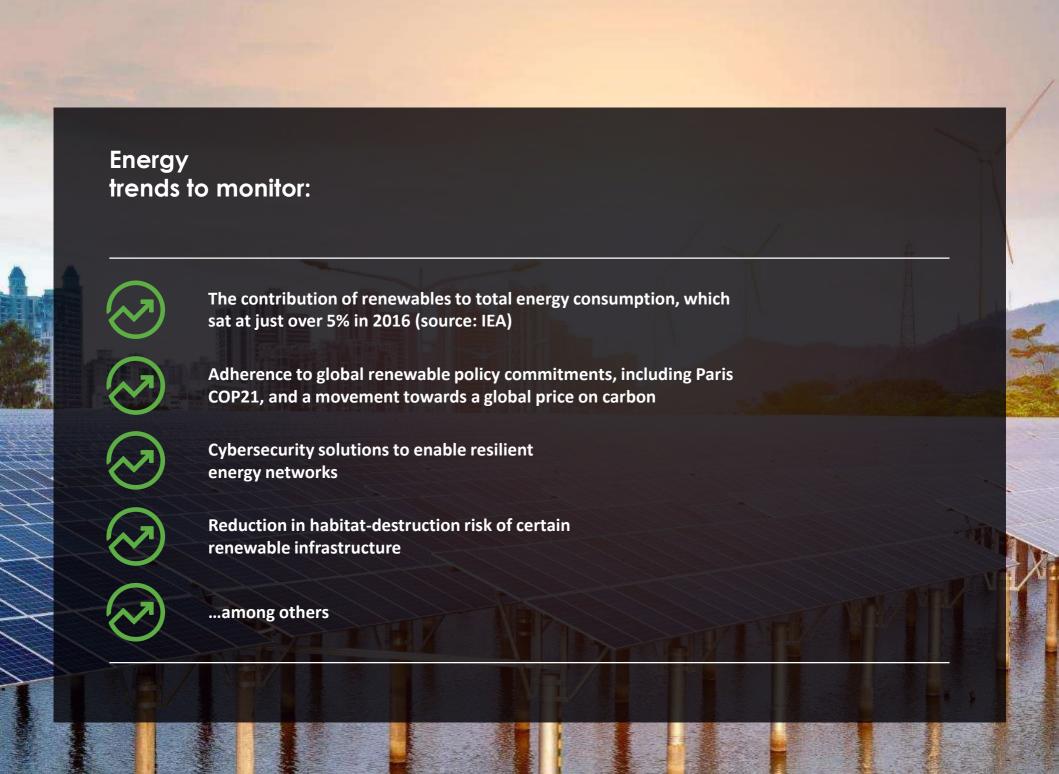
Source: CDP, UN PRI, Global Counsel

Traction towards decarbonisation is evidenced in pervasive support for carbon pricing

Regulatory tailwinds are further demonstrated by growth in the global stock of climate legislation, which stands at over 1,200 laws across 164 countries



Source: Climate Change Laws of the World







The global sensor market has been growing over the past few years





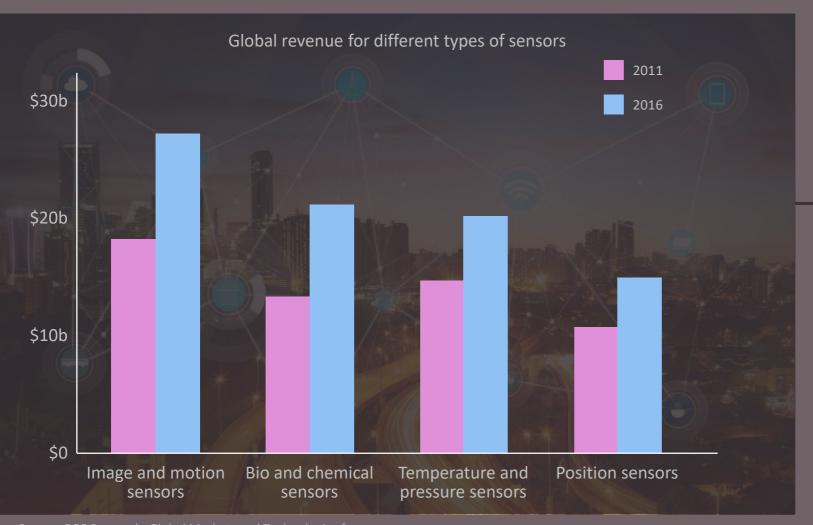






Source: BCC Research, Global Markets and Technologies for sensors

This market growth is visible across all types of sensors, including those measuring particulate matter, CO2 and other emissions





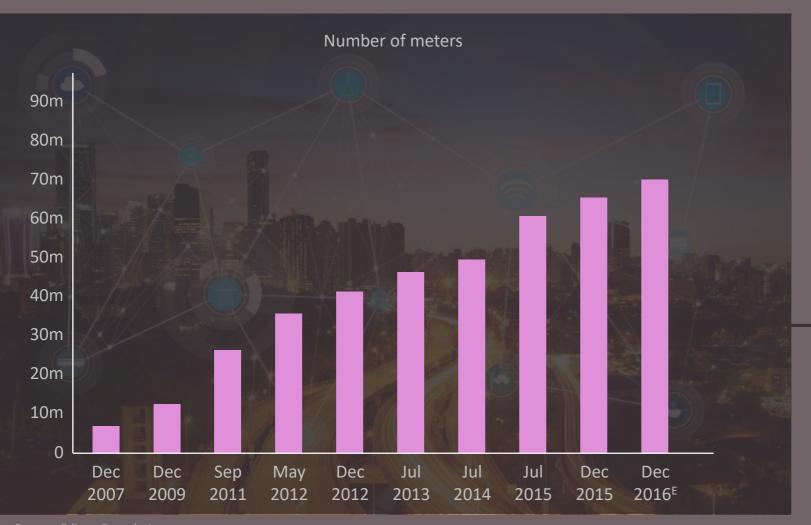






Source: BCC Research, Global Markets and Technologies for sensors

Smart-meter installations were estimated to have hit 70m in the US by the end of 2016





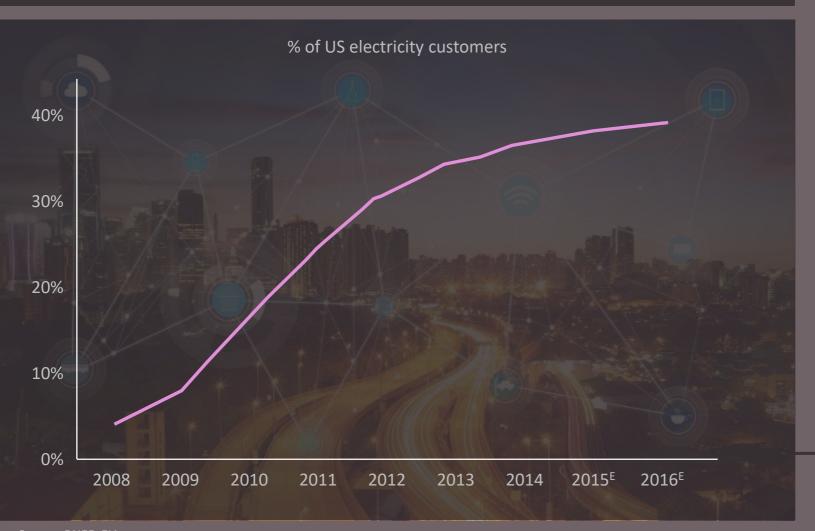






Source: Edison Foundation

More US electricity consumers are using smart meters









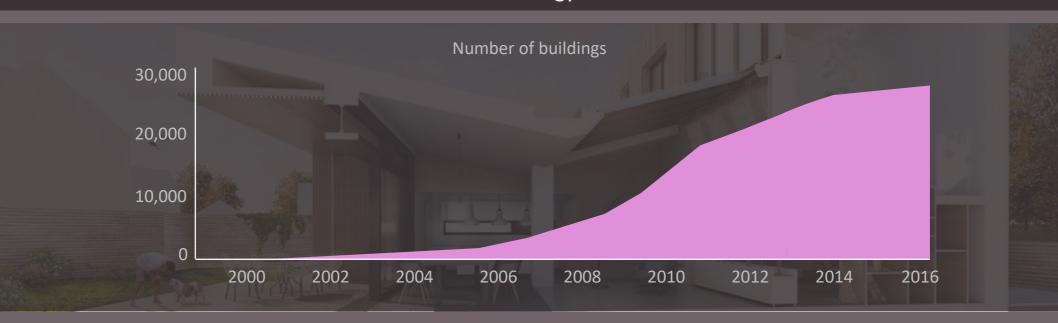


Source: BNEF, EIA

An increasingly populated built environment demands efficient materials



More than 28,000 buildings in the US have earned EPA's Energy Star since 1999



Source: Environmental Protection Agency

An increasingly populated built environment demands efficient materials



There are more than 1,755 LEED* certified industrial facilities globally, comprising just under 500m square feet



Source: US Green Building Council *Note: LEED – Leadership in Energy and Environmental Desig

An increasingly populated built environment demands efficient materials



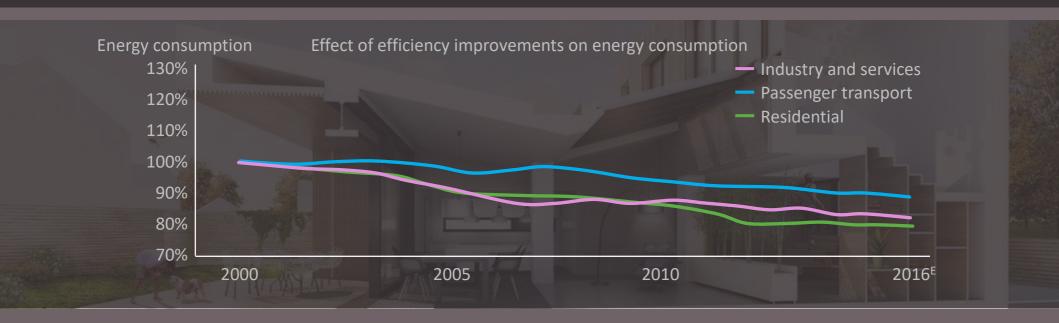








Efficiency enhancements across sectors have significantly reduced energy demands globally

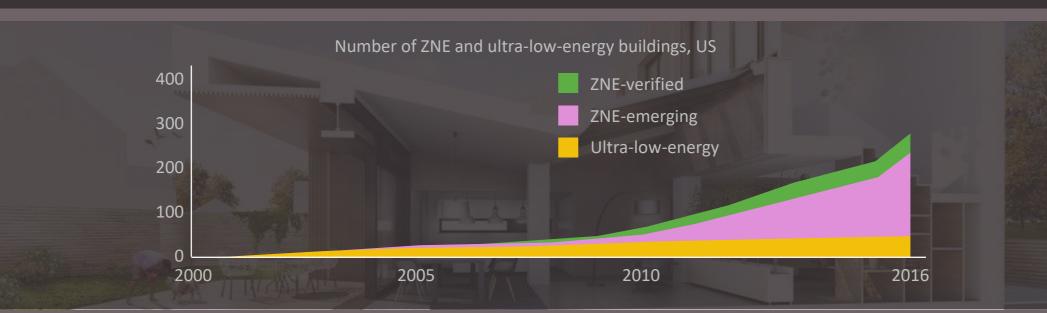


Source: IEA Energy Efficiency Indicators Database

An increasingly populated built environment demands efficient materials



Substantial growth has also been seen in the construction of zero-net-energy (ZNE) buildings



Source: New Buildings Institute, 2016

An increasingly populated built environment demands efficient materials











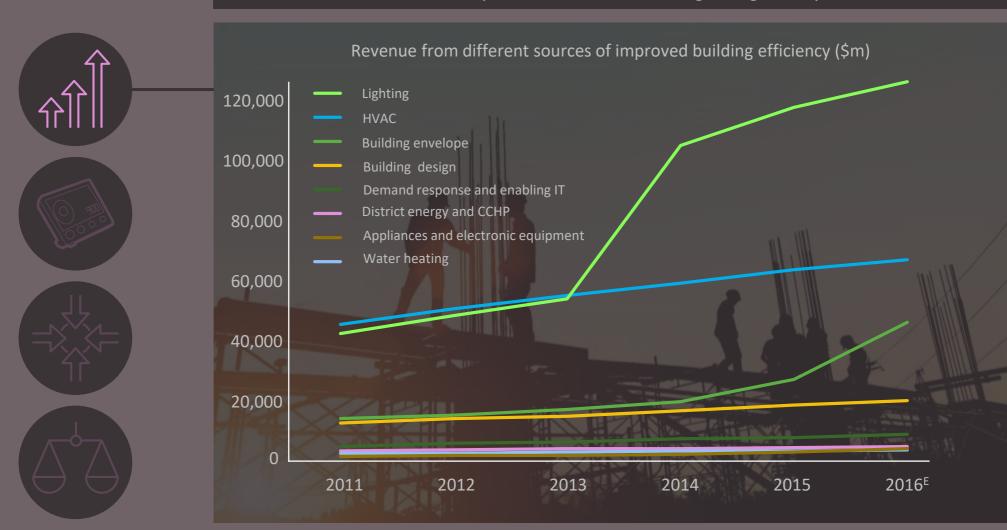
Green buildings result in quantifiable savings such as energy savings and maintenance labour



Source: US Green Building Council *Note: Savings estimates from green buildings are a calculation of reduced operational expenditures (e.g., electricity savings)

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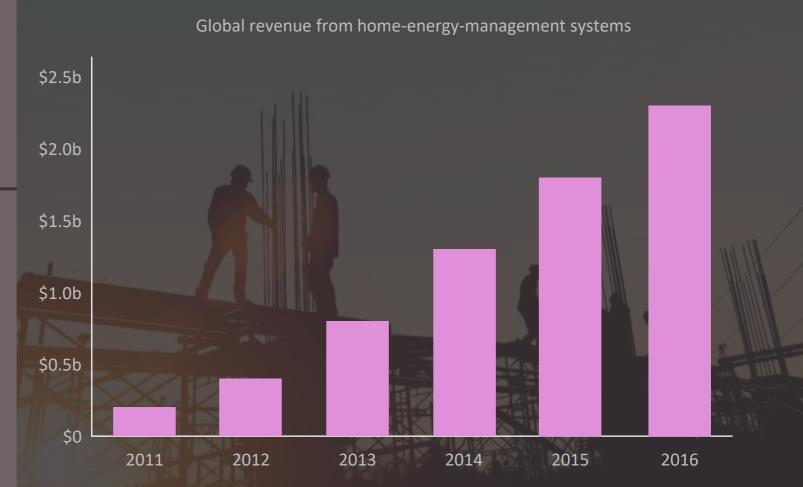
The market size for total building efficiency and sub-components continues to grow globally



Source: Navigant Research

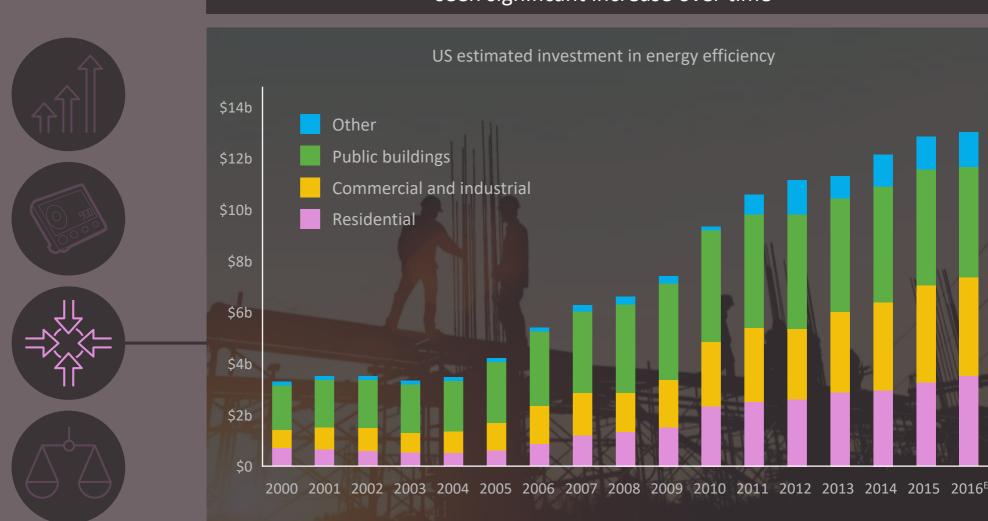
Global demand for home energy management systems, which allow households to manage energy usage, has also taken off





Source: Navigant Research

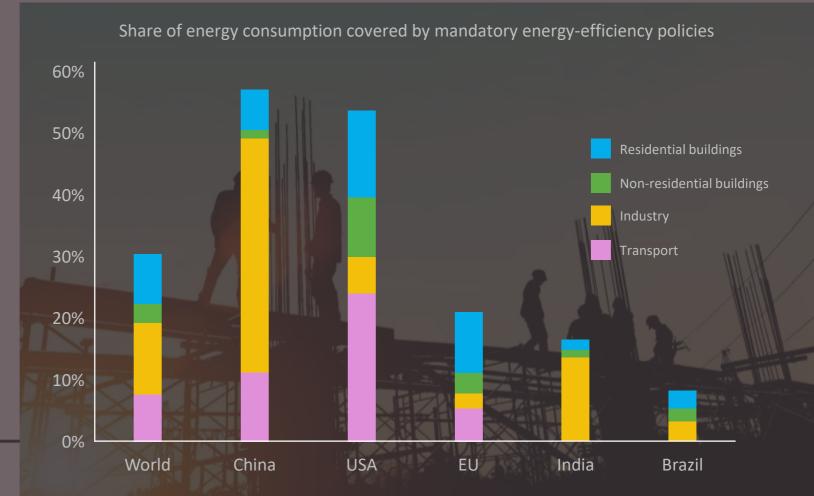
Estimates of US investment in energy efficiency have seen significant increase over time



Source: ACEEE, NAESCO, LBNL, CEE, IAEE, Bloomberg New Energy Finance

This is likely to continue globally as more and more energy consumption is covered by mandatory energy-efficiency policies



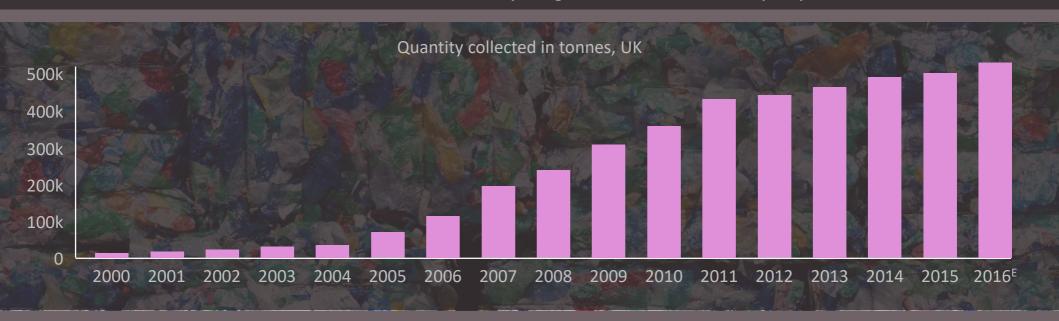


Source: OECD/IEA Energy Efficiency Market Report 2016

Greater value is being extracted from resources as the global economy becomes more circular

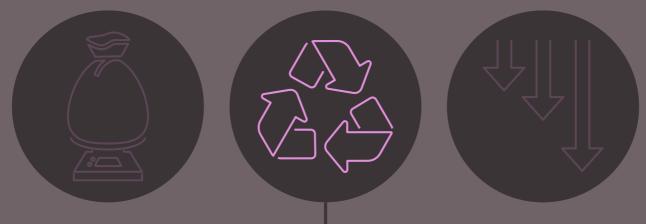


The annual tonnage of post-consumer plastic packaging waste collected for the recycling sector has scaled rapidly

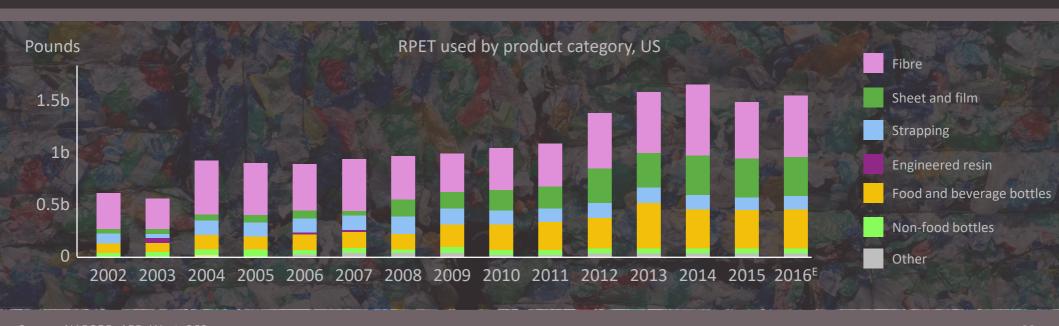


Source: Recoun British Plastics Federation

Greater value is being extracted from resources as the global economy becomes more circular



The volume of recycled plastics use in end-markets has seen substantial growth since 2010 across product categories

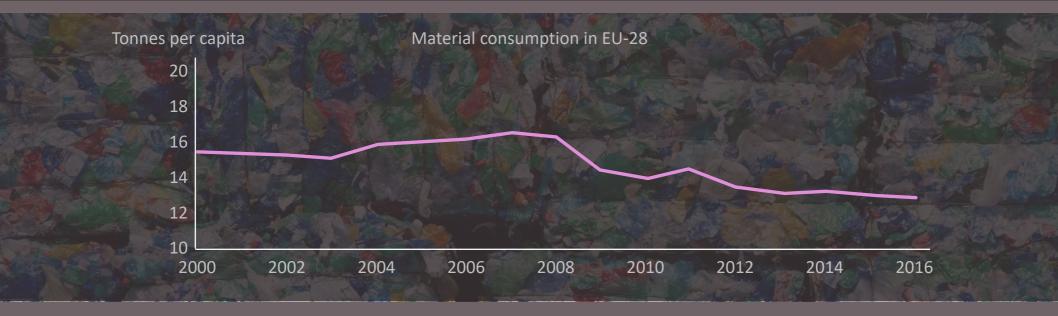


Source: NAPCOR, APR, Waste 360

Greater value is being extracted from resources as the global economy becomes more circular



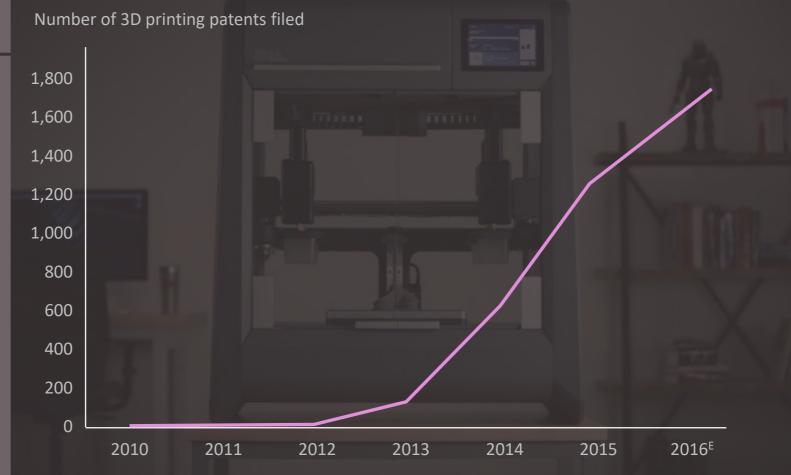
Material consumption appears to be on a downward trend across many developed markets



Source: Eurostat, SERI and WU Global material flows database

3D printing will continue to reshape the built environment, playing a key role in the reduction of CO2 emissions

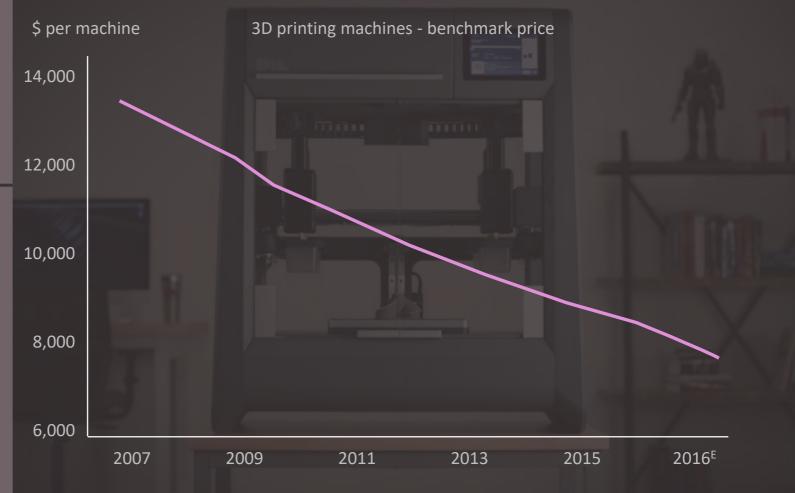




Source: Furonean Patent Office

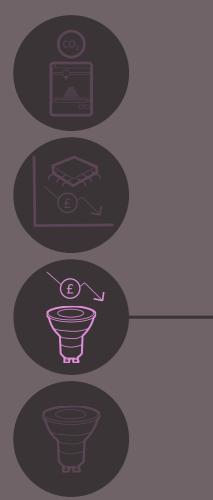
Adoption in use and improvement in technology will be made feasible through declining prices

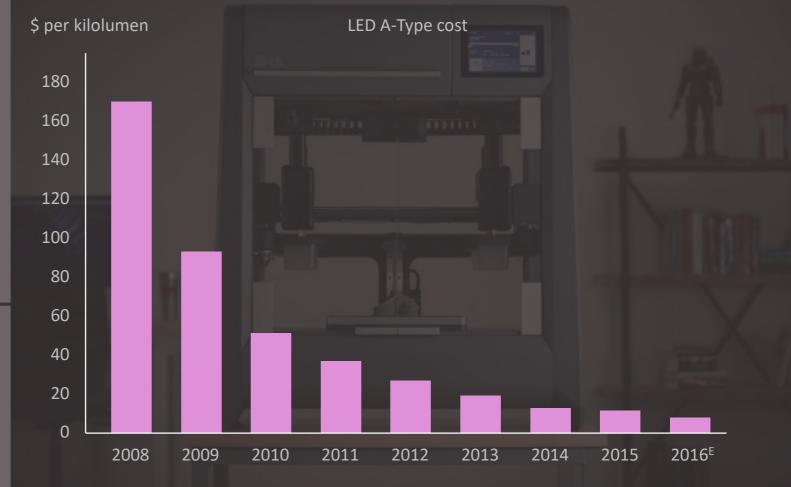




Source: IRISWorld

Similar cost-down curves are appearing across the LED market

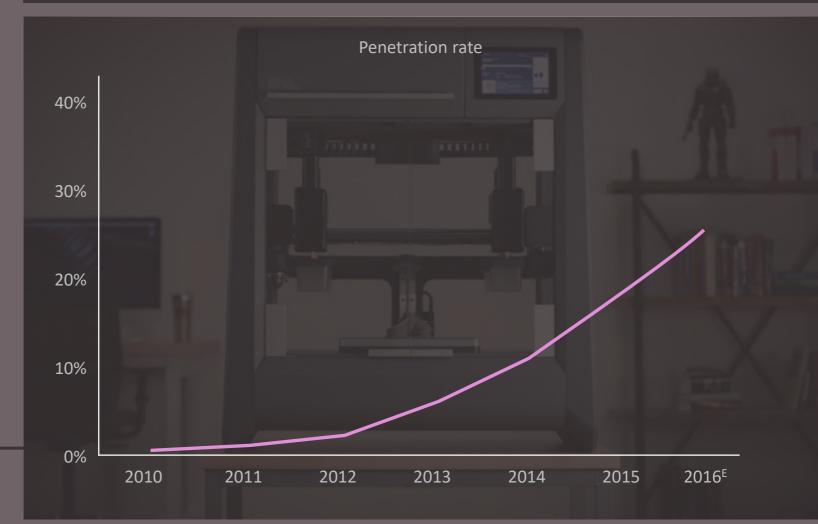




Source: LIS DoF

Which has manifested in impressive LED penetration of the global lighting market

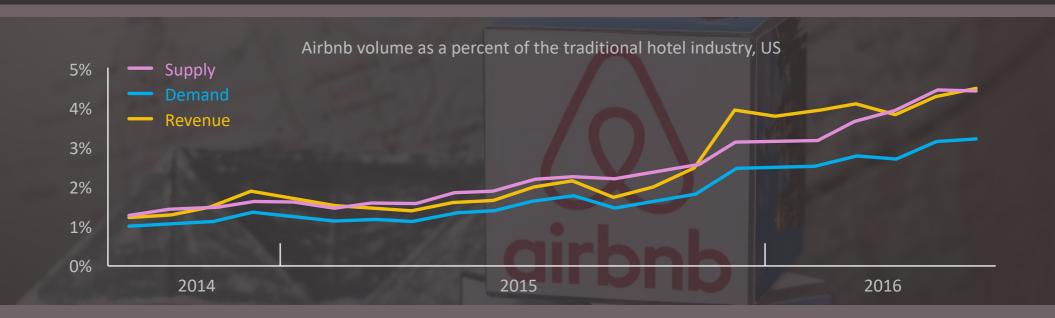




Source: Goldman Sachs; Statista



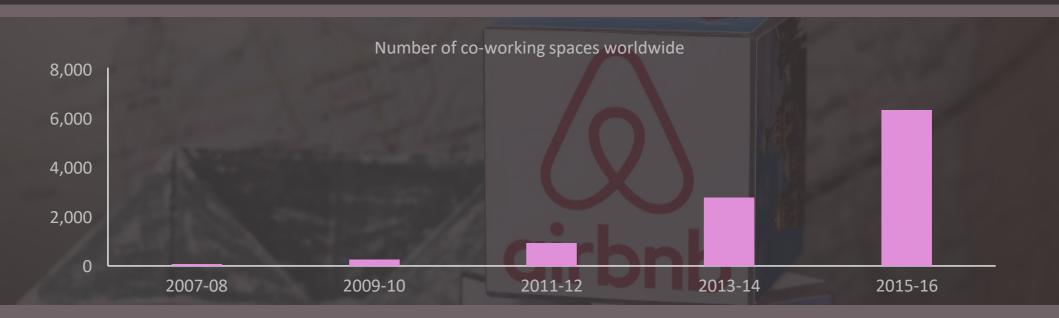
Airbnb continues to scale, offering value to both hosts and guests through the use of otherwise empty spaces



Source: CBRF Hotels' Americas Research



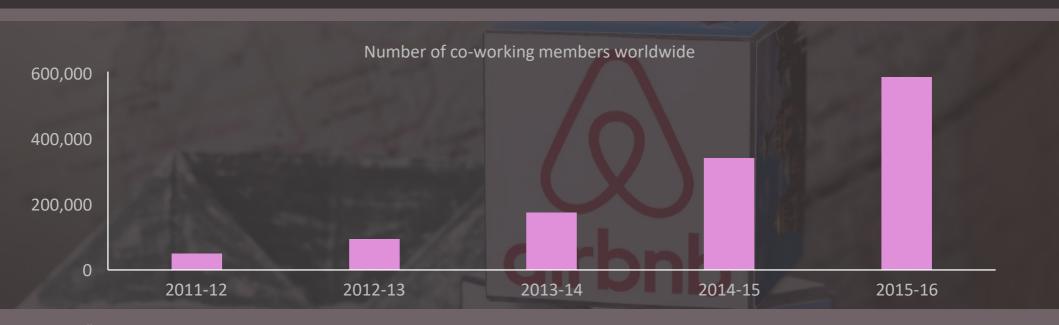
This shift towards the maximisation of asset values is also seen in the growth of co-working spaces globally



Source: Knoll



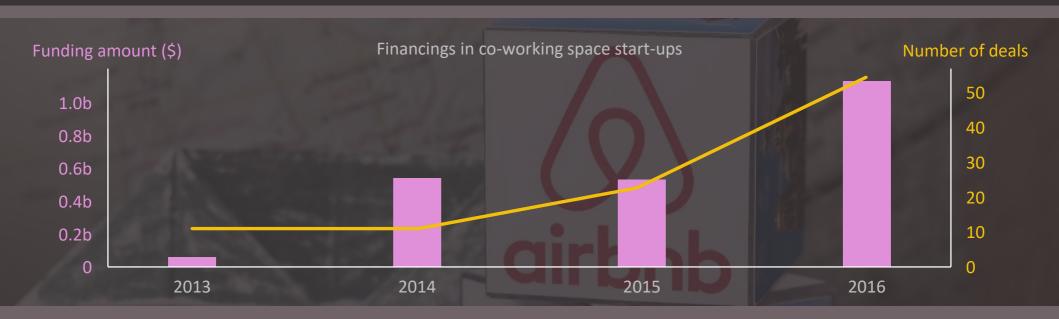
Consumers and companies appear increasingly amenable to this model of space utilisation



Source: Knoll



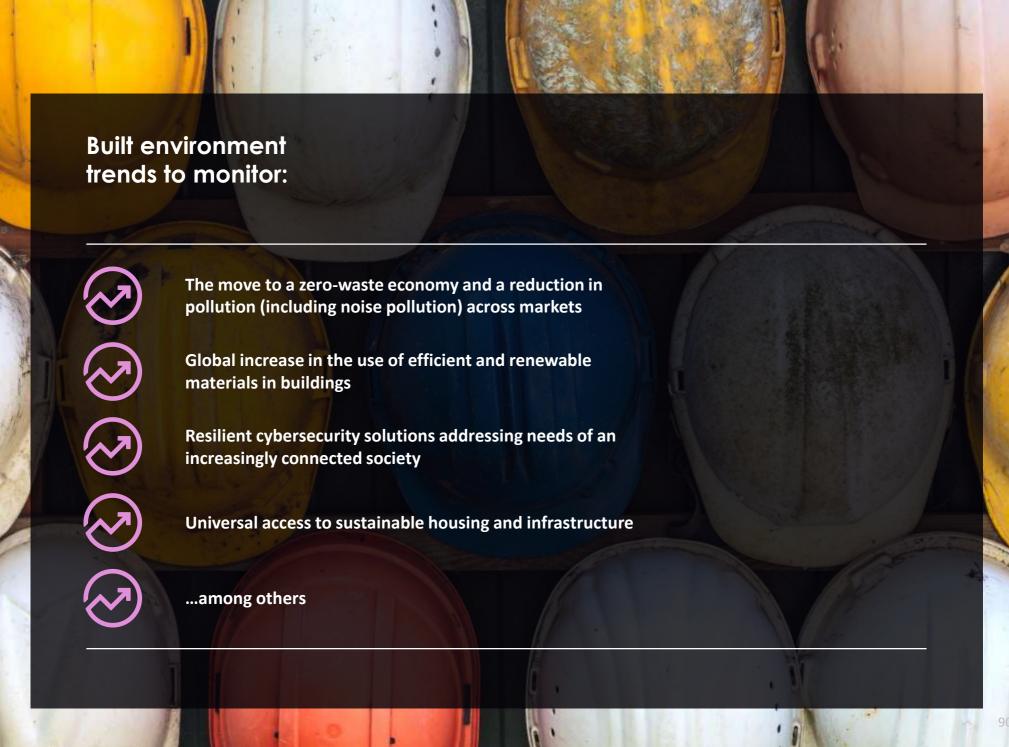
Capital continues to flow to these models which promote efficiency and reduce the need for resource-intensive infrastructure



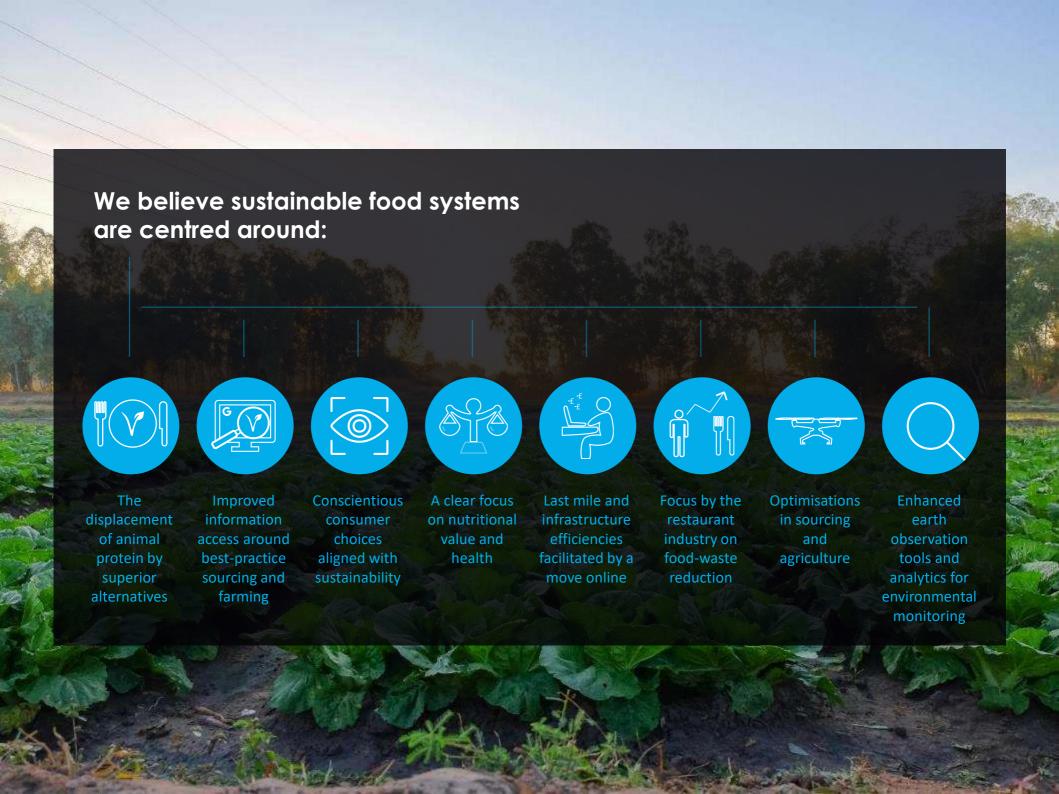
Source: CB Insights

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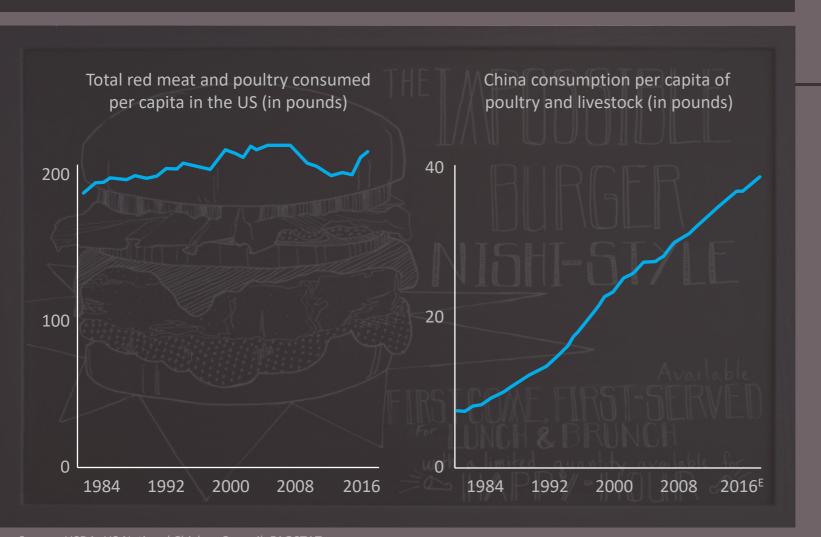
generation







While consumption of animal-based protein continues to rise globally...





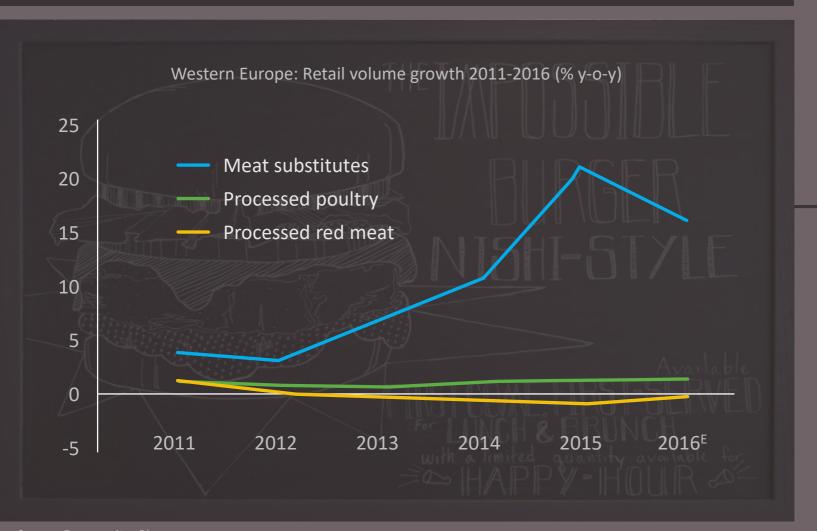






lource: USDA. US National Chicken Council. FAOSTAT

Alternative proteins and meat substitutes are gaining market share in many markets





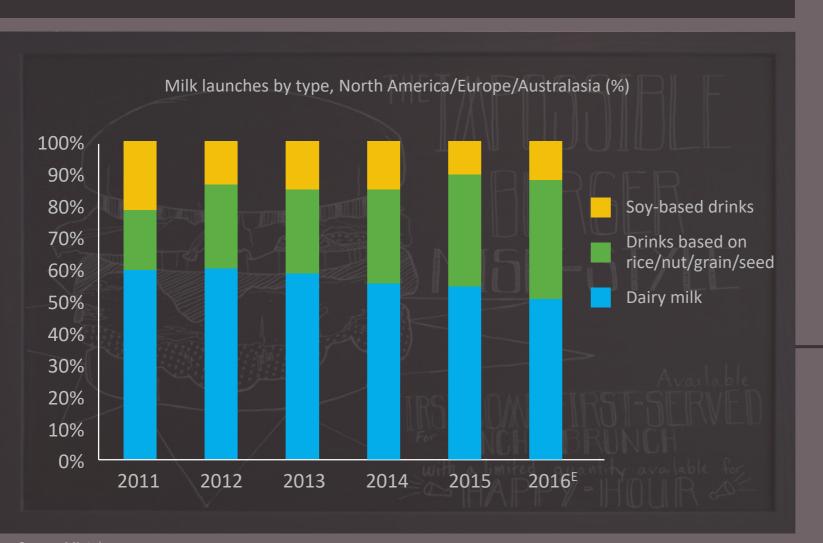






Source: Euromonitor Blog

Non-dairy milk product innovations are also on the rise

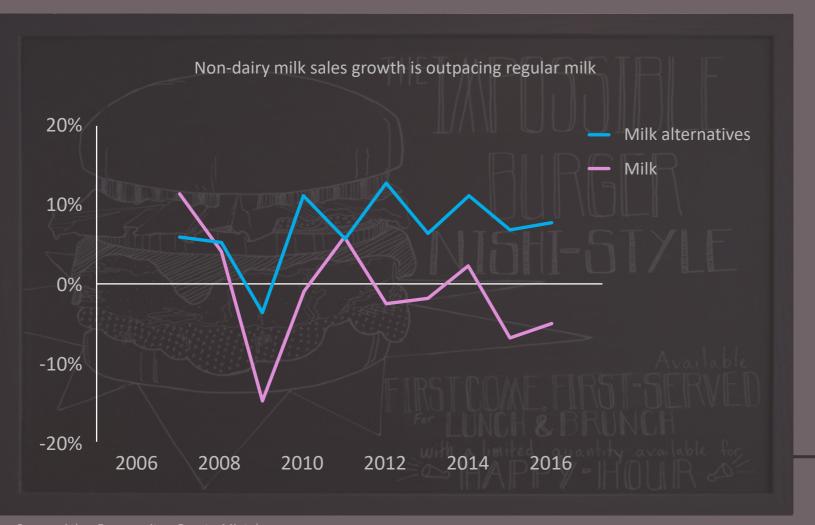






ource: Mintel

The US non-dairy milk market is estimated to represent well over 10% of the total milk market, and sales continue to outpace regular milk







lource: Atlas, Euromonitor, Quarts, Mintel



The number of USDA certified organic operations is nearly triple what it was in 2002



Source: USDA Note: Foreign operations may also be certified to the USDA organic standards



Suppliers are meeting consumer demand for more sustainable fishing practices



Source: Marine Stewardship Council



Free-range eggs are also gaining rapid market share



Source: DEFRA



"Free-from" products are also rapidly gaining shelf space worldwide

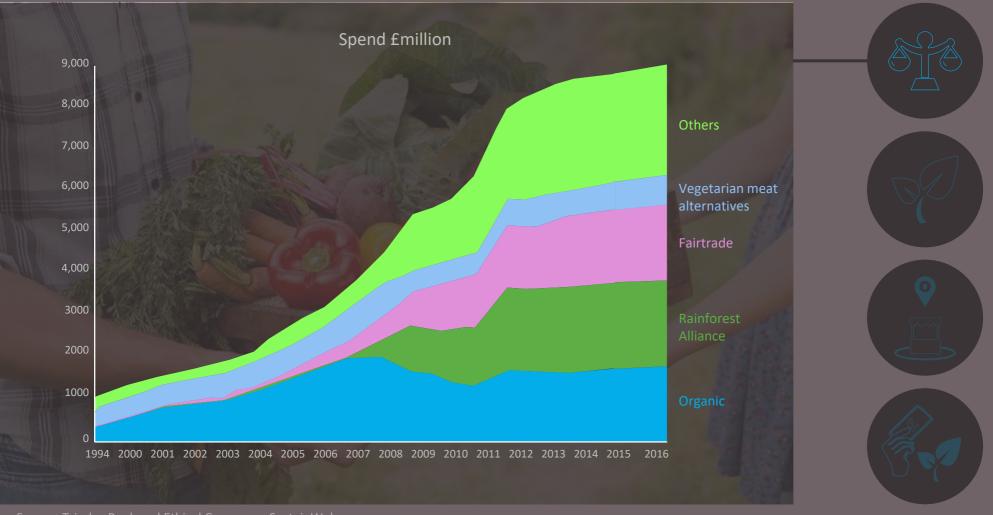


Source: Mintel *Gluten-free covers only bakery, cereals, snacks, pasta & noodles

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Trends in consumer purchasing are driven by environmental and social considerations

Sales of "ethical" food and drink have risen over time in the UK as a proportion of all sales of household food



Source: Triodos Bank and Ethical Consumer; SustainWeb

Trends in consumer purchasing are driven by environmental and social considerations

Veganism is becoming more popular as a concept and dietary practice



Source: Google Trends

Trends in consumer purchasing are driven by environmental and social considerations

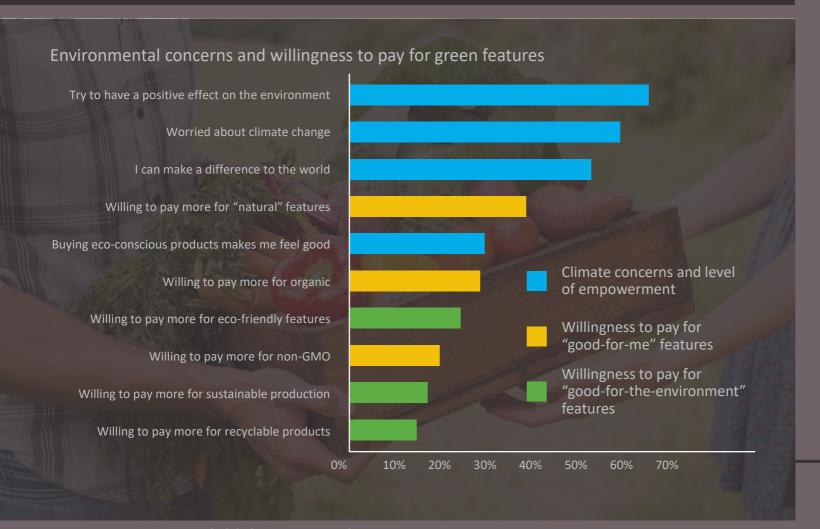
There is an increasing emphasis on "buying local" as exemplified by a rising trend in farmers' markets



Source: USDA, Economic Research Service using USDA, Agricultural Marketing Service, Farmers' Market Surveys

Trends in consumer purchasing are driven by environmental and social considerations

Consumers continue to say that they are willing to pay for sustainable features











Source: Euromonitor International Global Consumer Trends Survey 2016

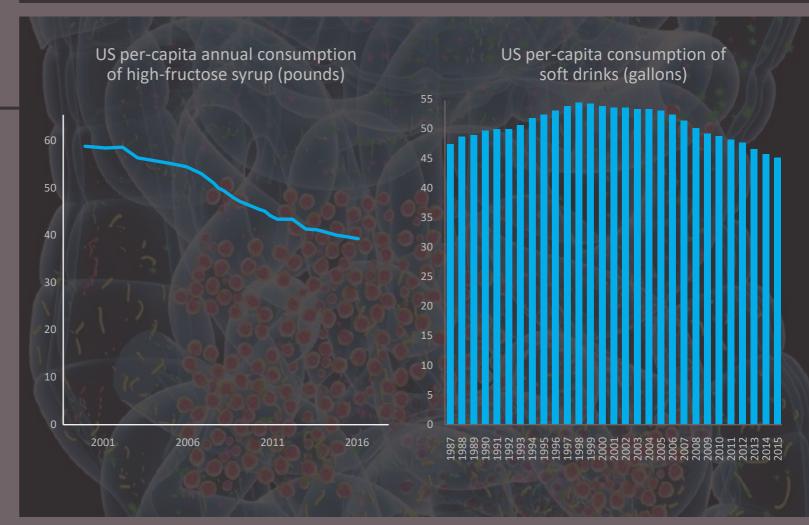
Consumers are forging their own nutritional diets, with increased focus on microorganisms and health

While sugar intake far exceeds recommended amounts, trends suggest a gradual shift away from its consumption in the US







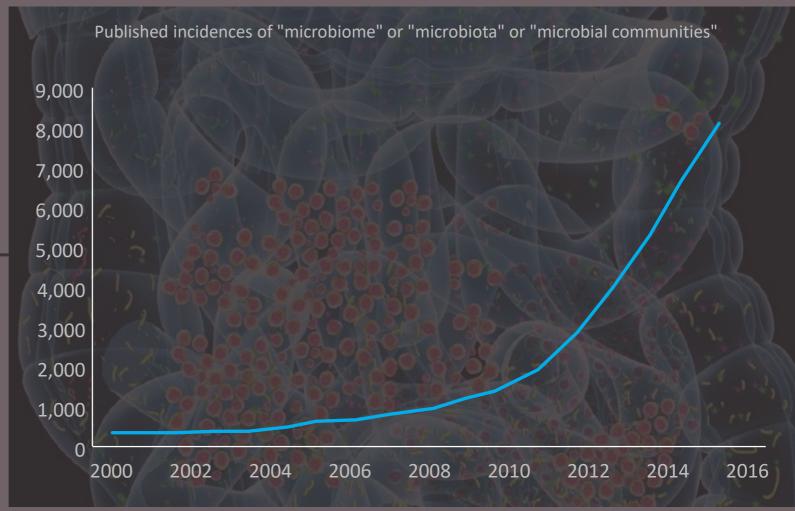


Source: USDA ERS FADS; NPD Group, RBC Capital Markets, UK Business Insiders, NPD Group

Consumers are forging their own nutritional diets, with increased focus on microorganisms and health

There is an increasing focus on understanding the role of the microbiome in human development, immunity and nutrition





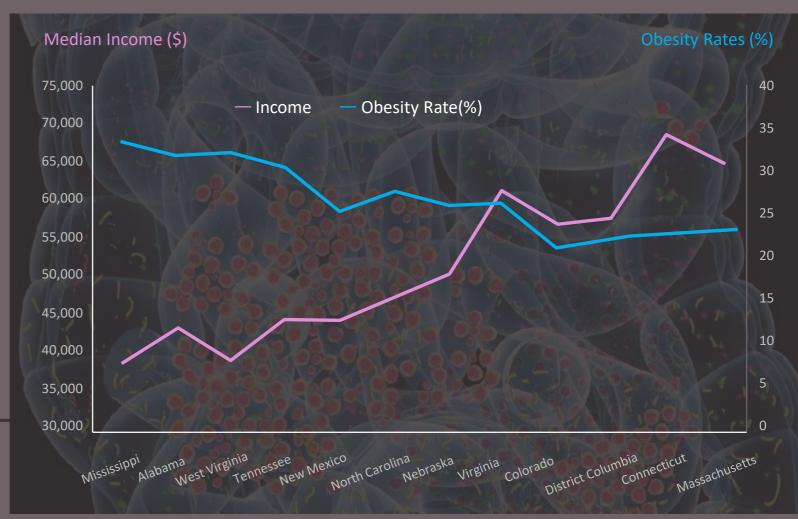
Source: PubMed

Consumers are also forging their own nutritional diets, with increased focus on microorganisms and health

However, health inequities linked to socioeconomic status remain pervasive and still need to be redressed





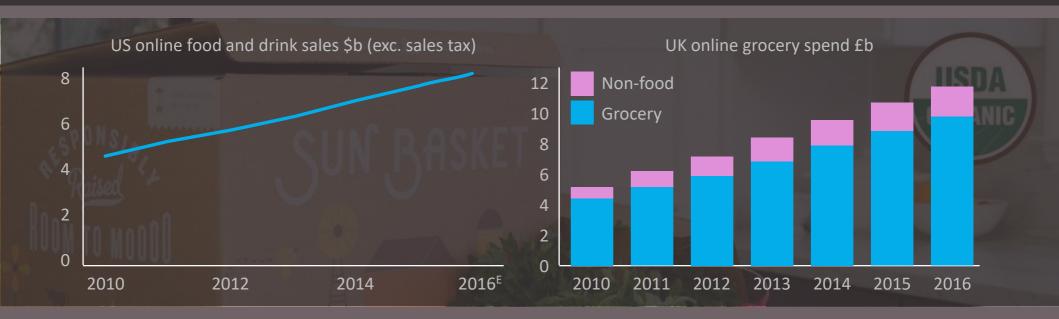


ource: Planetizen 10

Traditional bricks-and-mortar shops are making way for online options offering logistical and operational efficiencies



The online grocery market continues to gain scale, reducing the need for individual store trips



Source: Euromonitor International Kantar Worldnanel IGB

Traditional bricks-and-mortar shops are making way for online options offering logistical and operational efficiencies



Meal-kit offerings and online retailers such as Amazon will continue to drive online growth



Source: Hitwise as published on Marketingcharts.com

Traditional bricks-and-mortar shops are making way for online options offering logistical and operational efficiencies



These new models of cooking at home are rooted in a drive towards enhanced efficiencies and a desire to reduce the levels of waste associated with food consumption



While the USDA suggests grocery stores in the US throw out 10.5% of their food, Blue Apron's facility discarded 5.5%



Cooks threw out 7.6% of the food in Blue Apron kits, relative to an estimated 23.9% to make the same meal otherwise

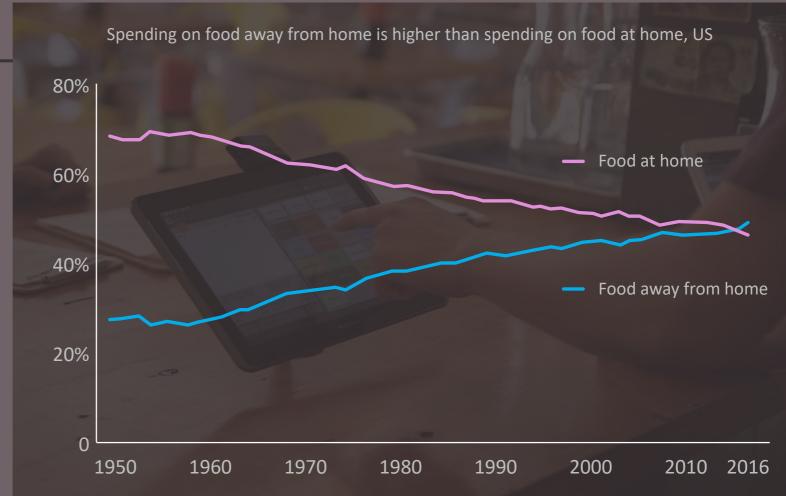


In 2016, Sun Basket launched one of the first 100% recyclable and compostable packaging solutions for the meal-kit industry

Source: Business for Social Responsibility survey, USDA, Blue Apron, Sun Basket

As consumers increase their eating habits away from the home, there is need for innovation and improvement in the restaurant industry

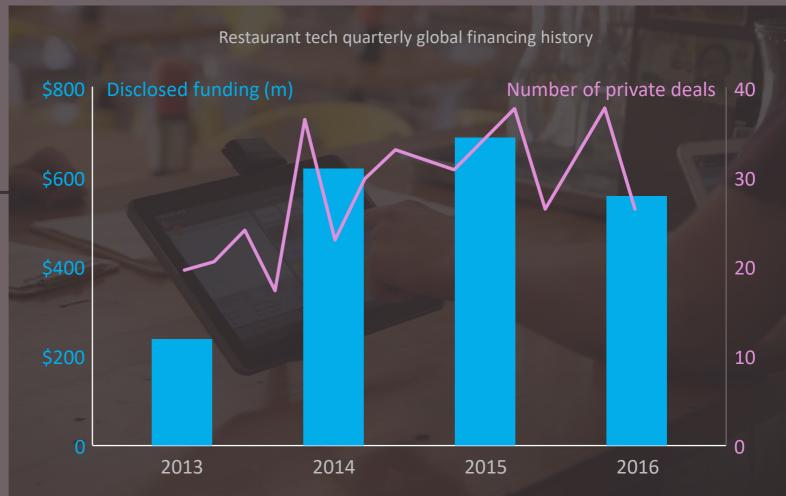




Source: LISDA

Investment in restaurant innovation enables restaurants to optimise operations and reduce food waste



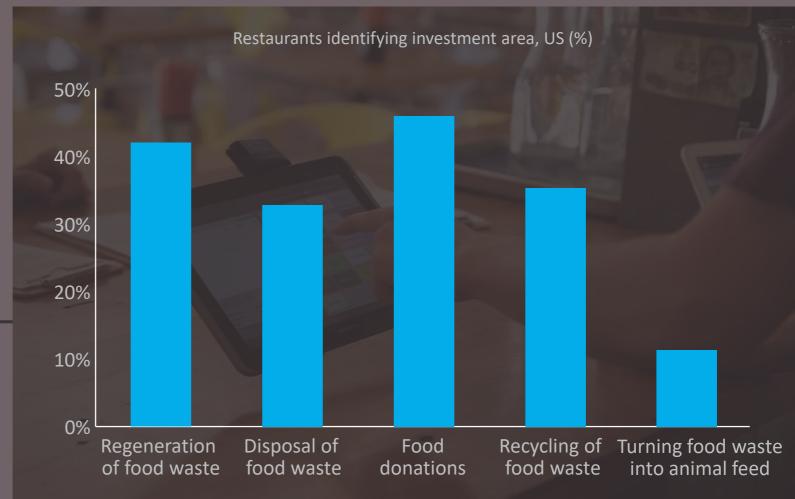


112

Source: CB Insights

Restaurants say that they are committed to investment in reducing food waste across their supply chains





Source: Food Waste Alliance 2016, National Restaurant Association

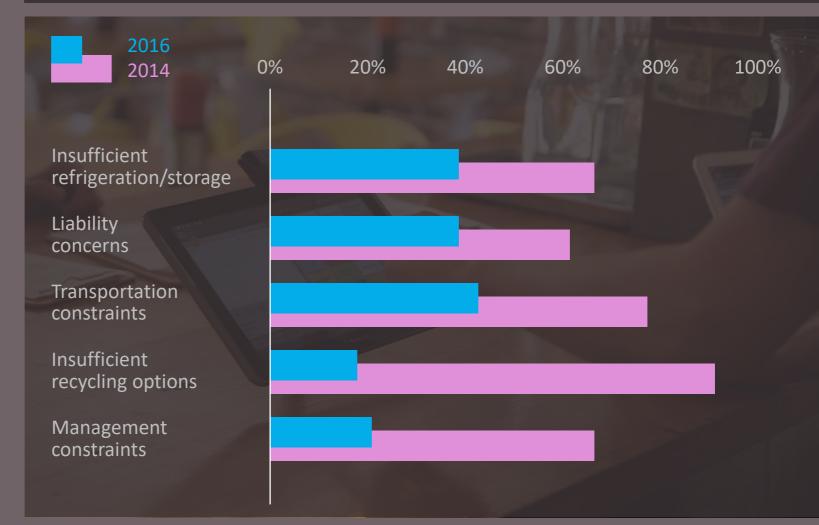
And perceived barriers to repurposing of food waste in US restaurants have also seen significant reduction over time







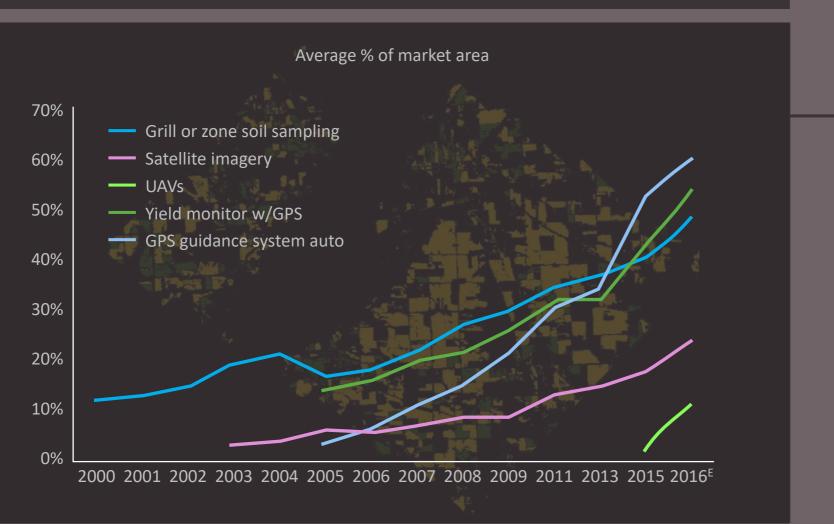




Source: Food Waste Alliance 2016, National Restaurant Association

Precision services, facilitated through the use of drones, have become a critical part of agriculture

The percentage of market area using precision-agricultural services is getting larger...





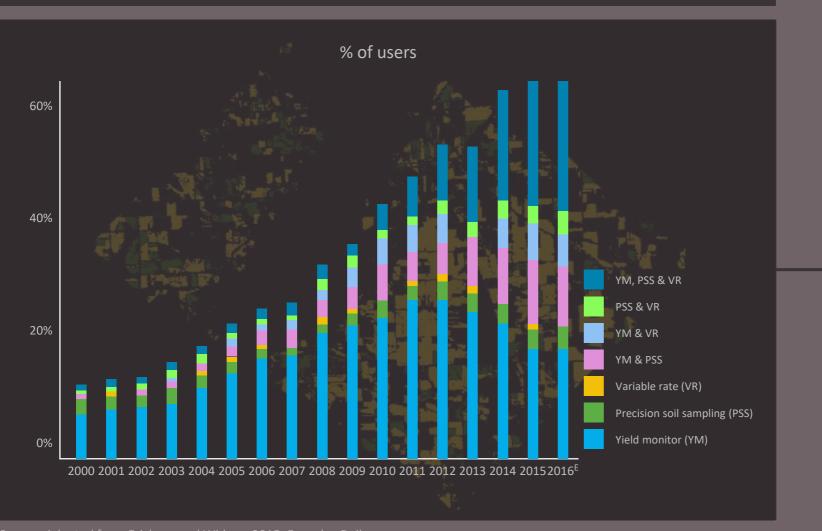




Source: Adapted from Erickson and Widmar 2015; Farmdoc Daily

Precision services, facilitated through the use of drones, have become a critical part of agriculture

Users are increasingly diversifying the precision services employed





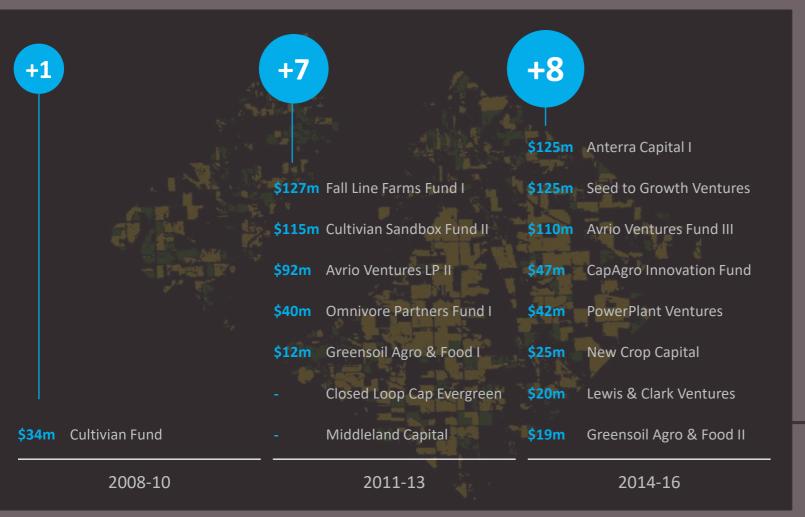




Source: Adapted from Erickson and Widmar 2015; Farmdoc Daily

Precision services, facilitated through the use of drones, have become a critical part of agriculture

The scaling opportunity set in AgTech is evidenced through the emergence of AgTech-focused investment funds





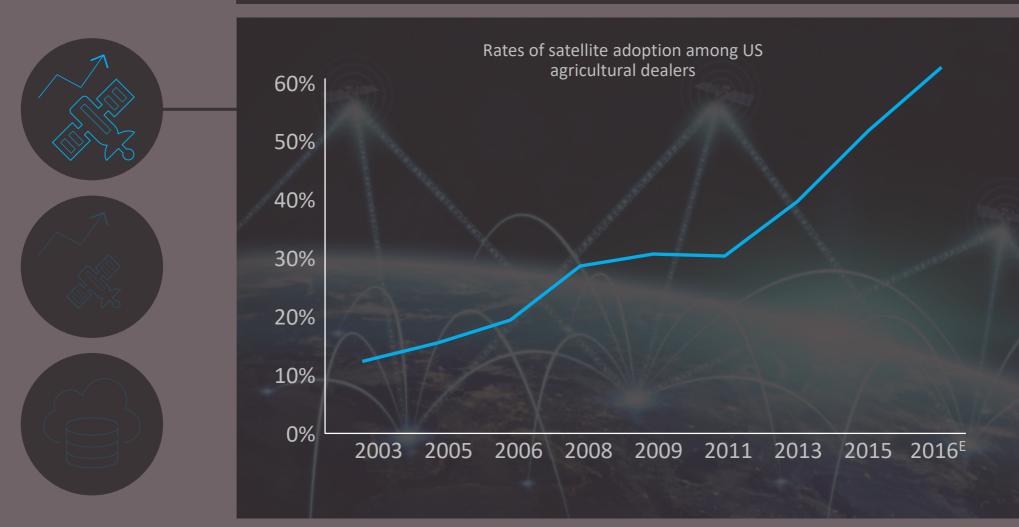




Source: AgFunder

Earth observation is also becoming a core part of how we understand the world

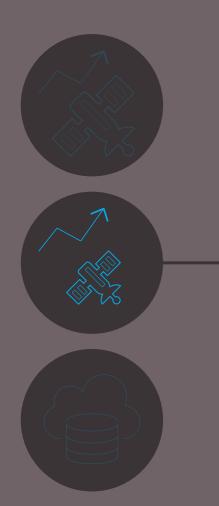
The adoption rate of satellite use has increased to over 50% amongst US agriculture dealers

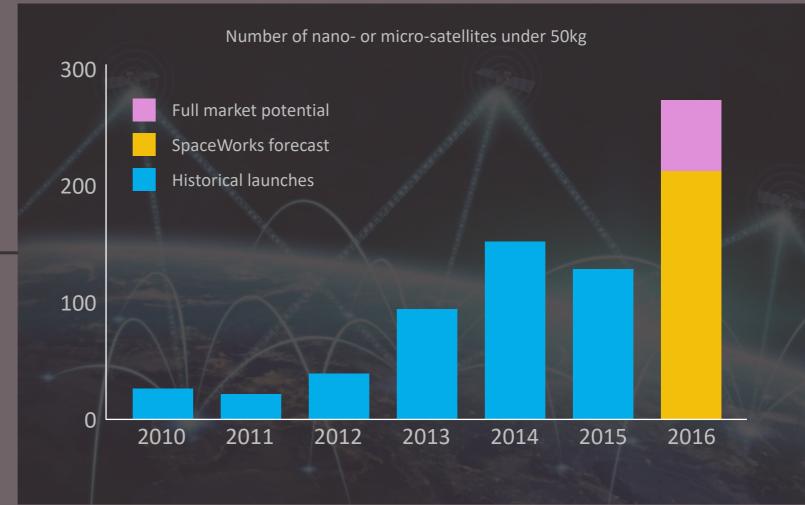


Source: CropLife "Precision Agricultural Services Dealership Survey Results"

Earth observation is also becoming a core part of how we understand the world

The launch of microsatellites has proliferated over time



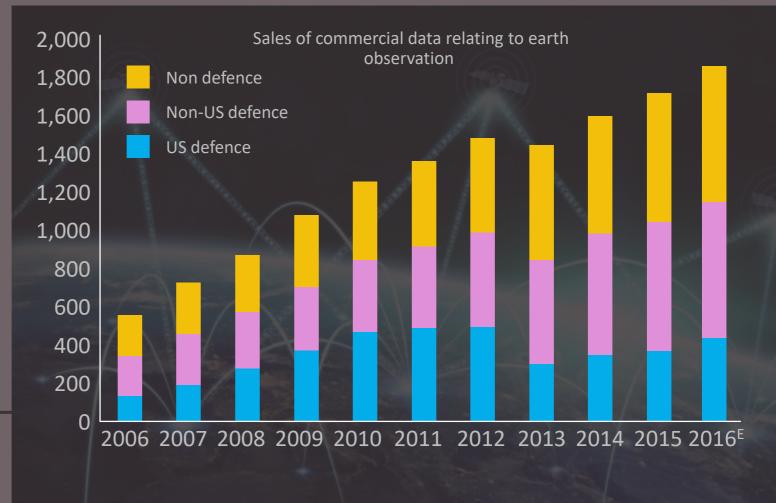


Source: SpaceWorks Enterprises Inc.

Earth observation is also becoming a core part of how we understand the world

The market for commercial data related to earth observation has also increased significantly in the US, including outside of a defence focus





Source: Euroconsult, National Ocean and Atmospheric Administration

Food systems trends to monitor:



Evidence of a fully informed customer making decisions based on fact over marketing



Key agricultural demarcations of improvement including reduction in topsoil depletion, etc.



Improvements around food waste, both at home and at restaurants



Proof that health inequities associated with food consumption are being reduced



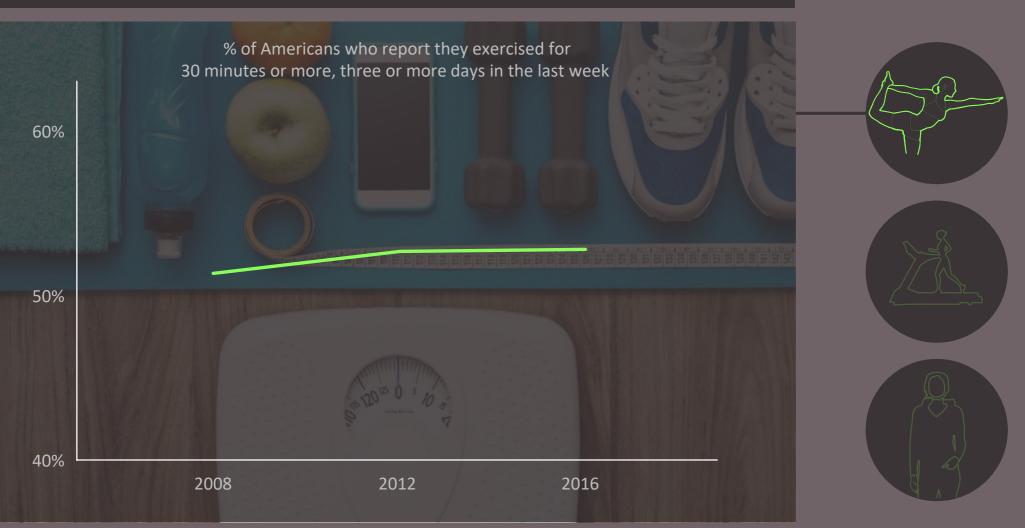
...among others





People are increasingly focused on physical fitness

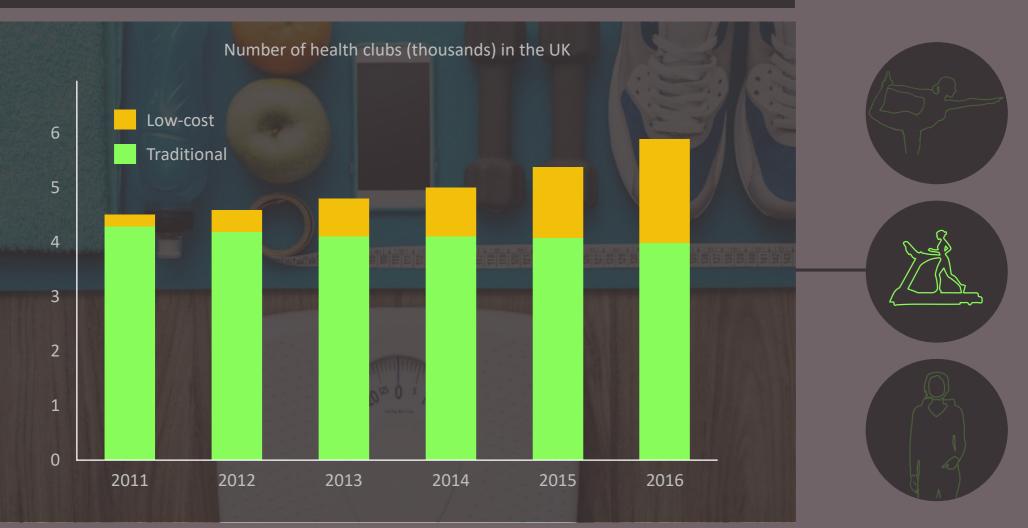
The number of people in the US who are exercising on a regular basis has seen a marginal uptick



Source: Gallup-Healthways Well-Being Index

People are increasingly focused on physical fitness

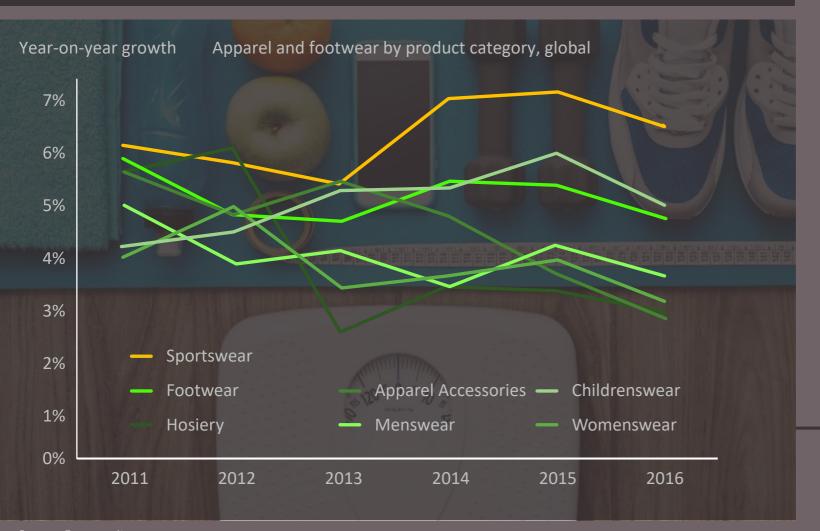
This is reflected in infrastructure growth around physical health



Source: Leisure Database Company/ Berenberg

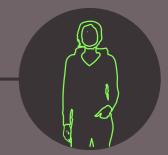
People are increasingly focused on physical fitness

Further evidence of this trend is manifest in increased consumer spending on athleisure apparel





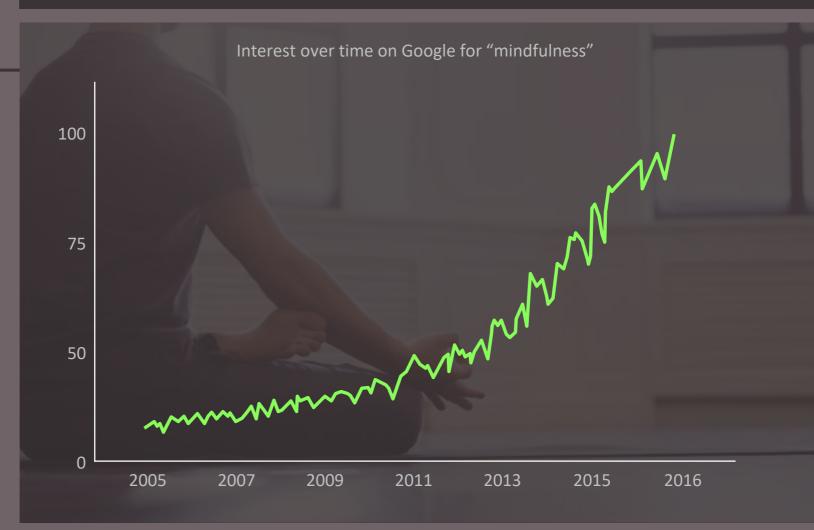




Source: Euromonitor

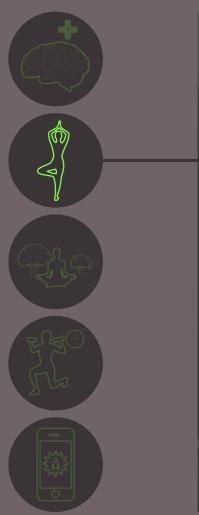
More people are interested in mental health and wellbeing

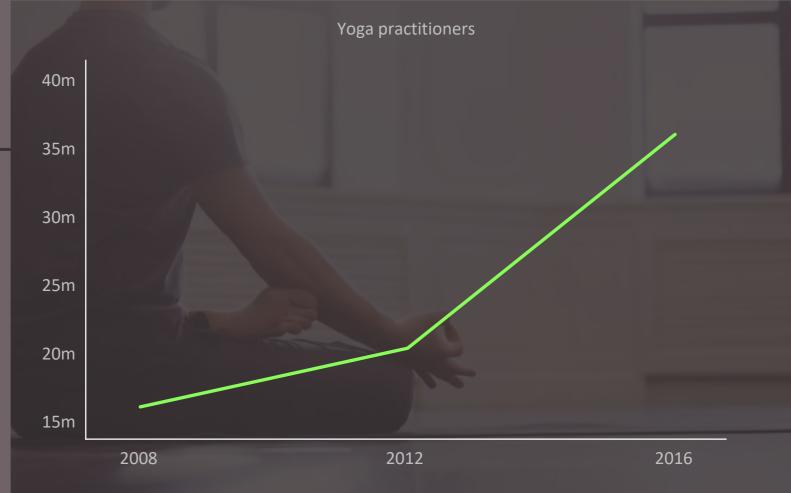




Source: Google Trends

The number of yoga practitioners in the US is increasing rapidly as people are drawn to both its physical and mental benefits

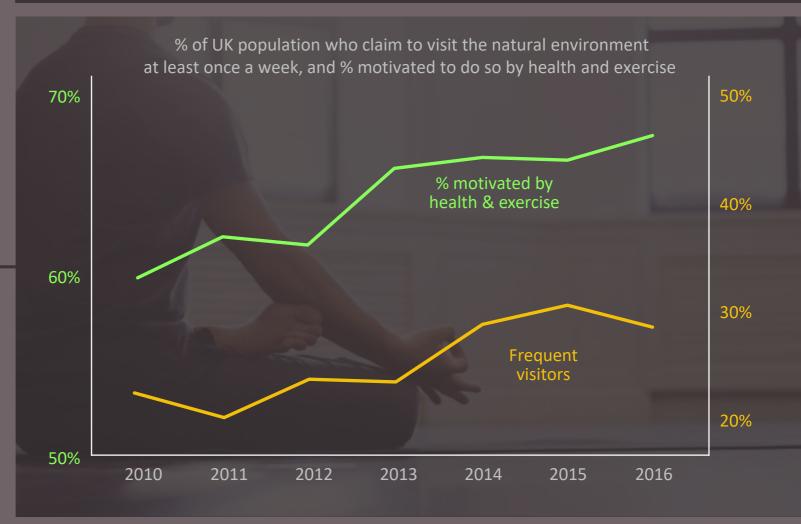




ic Affairs 2016. USA

Wellness benefits of engaging with the natural environment are better understood





Source: 2016 Monitor of Engagement with the Natural Environment, UK *Visits to outside spaces in and around cities, countryside and coastlines, such as parks, cycle-ways, forests, etc -

Travel and free time are increasingly being used as an opportunity to focus on one's wellbeing



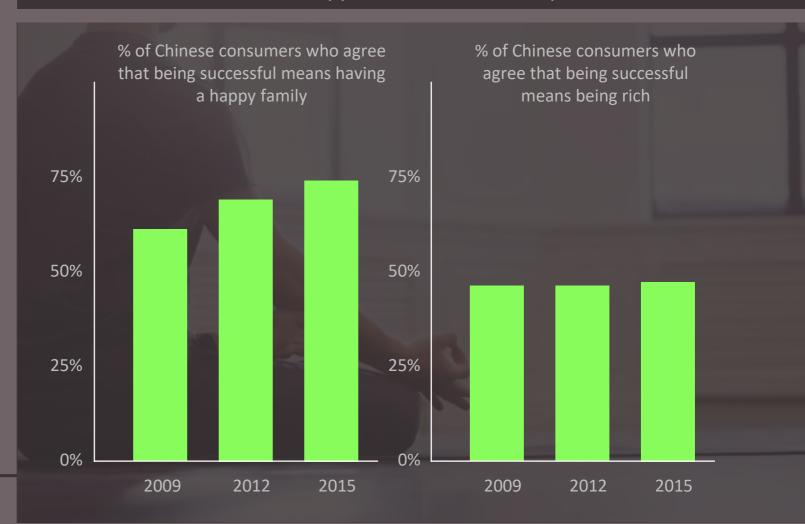
Source: Global Wellness Institute

130

*Wellness tourism is defined as travel for the purpose of promoting health and wellbeing through physical, psychological or spiritual activities

The importance of strong social networks is more appreciated than in the past





Source: McKinsey 2016 China Consumer Report

More attention and resources are being allocated towards wellbeing benefits for employees





Source: Society for Human Resources Management, 2017 survey of US employers

40% of organisations cite flexible work arrangements as one of their most effective recruiting strategies





Source: Society for Human Resources Management, 2017 survey of US employers

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Improvements in flexibility through remote working also has a positive impact on work-life balance





Source: Gallup – State of the American Workplace; REPL Group

12/

generation

Employer consideration of wellness provisions is also reflected in office design and infrastructure





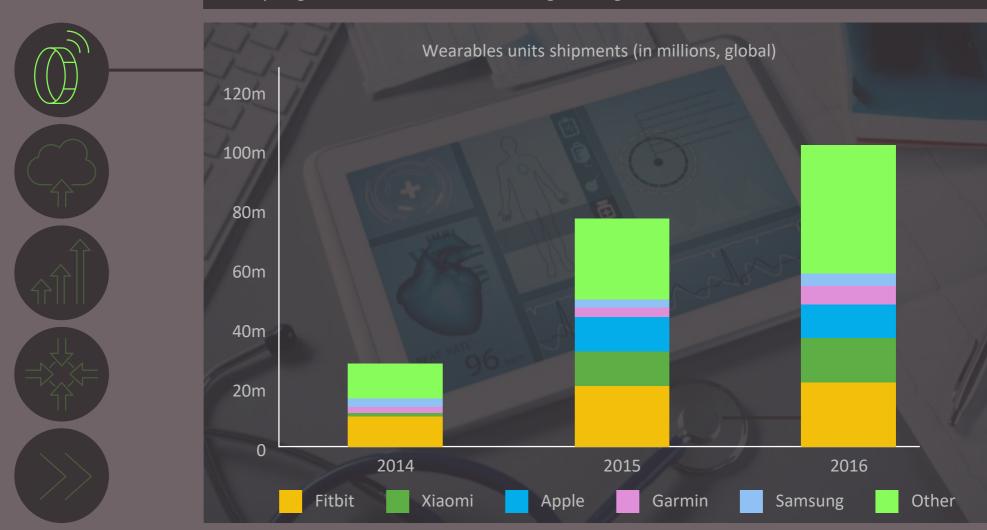






Source: Society for Human Resources Management, 2017 survey of US employers

The desire to monitor health and wellness, and apply metrics to progress, is evidenced in the growing market for consumer wearables



Source: CR Insights

126

generation

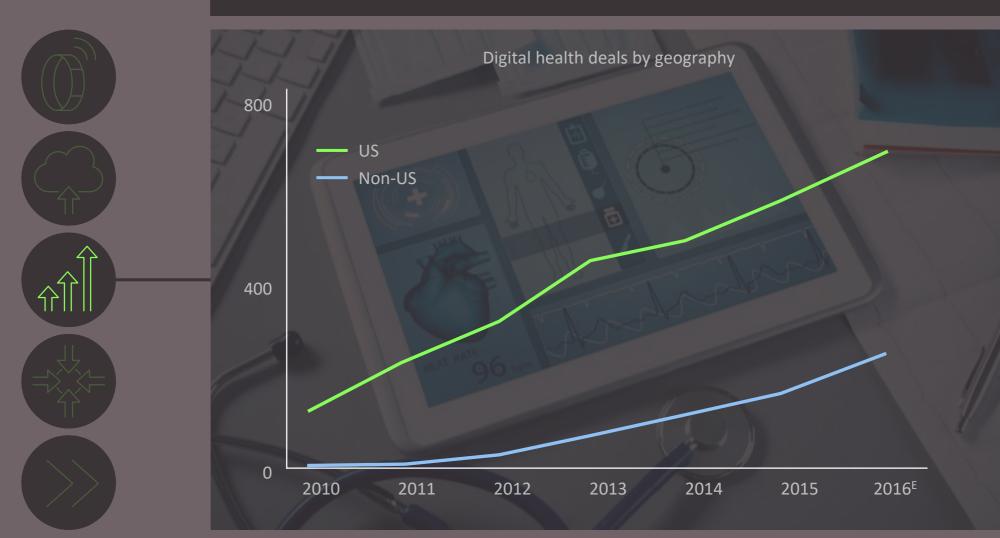
The digitisation of health provision further enables remote access, which is increasingly receiving consumer buy-in





Source: Accenture 2017 Survey on Virtual Health

Capital continues to flow into this new model of healthcare provision

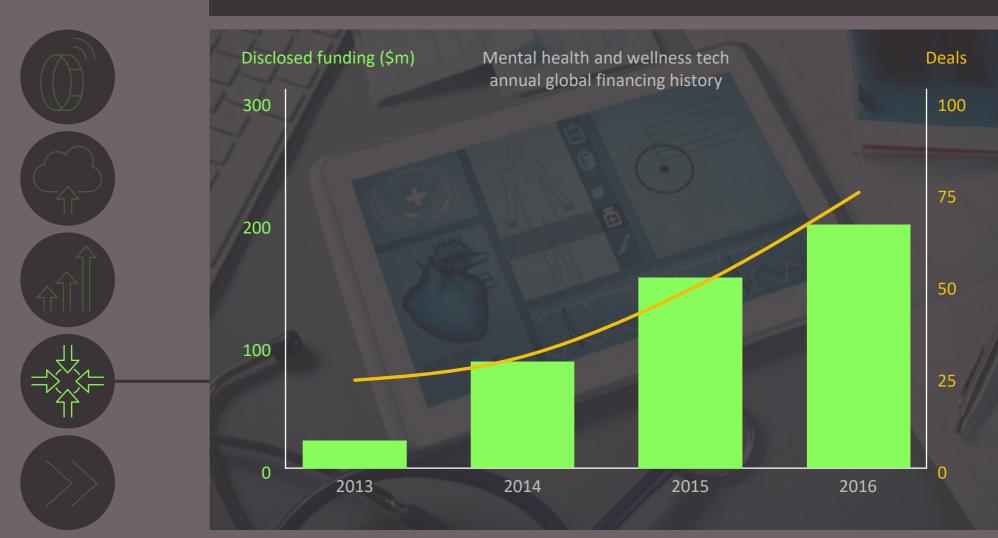


Source: CR Insights

128

generation

While mental health in particular is seeing increased investment activity



Source: CR Insights

120

 $_{ extsf{-}}$ generation

But innovation and capital allocation will need to accelerate in order to keep up with increasing demands on the global system



350m

Depression alone affects 350 million people and is the single largest contributor to years lived with disability globally



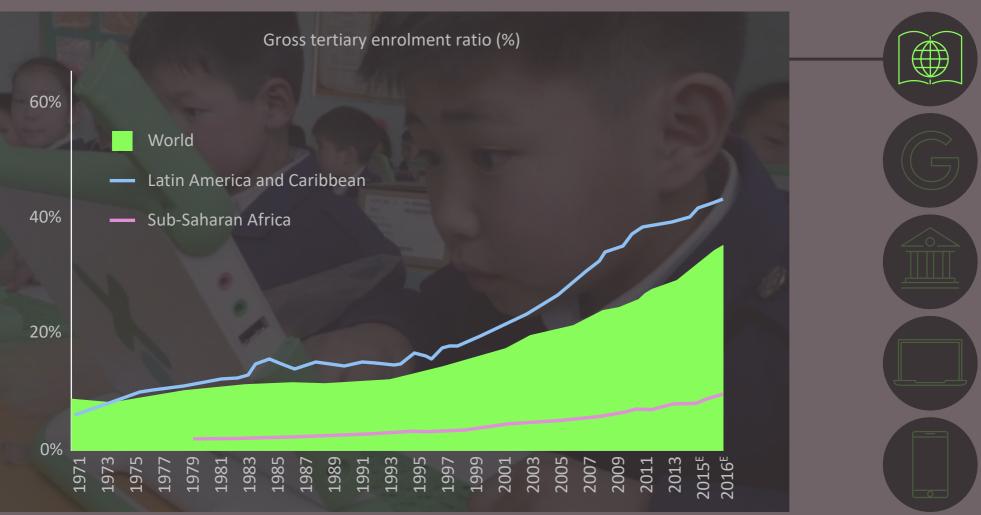
3 out of 4 people suffering from major depression do not receive adequate treatment

\$1.6tn

Depression is estimated to cost over US \$1.6tn in lost economic output by 2030

Source: World Health Organisation

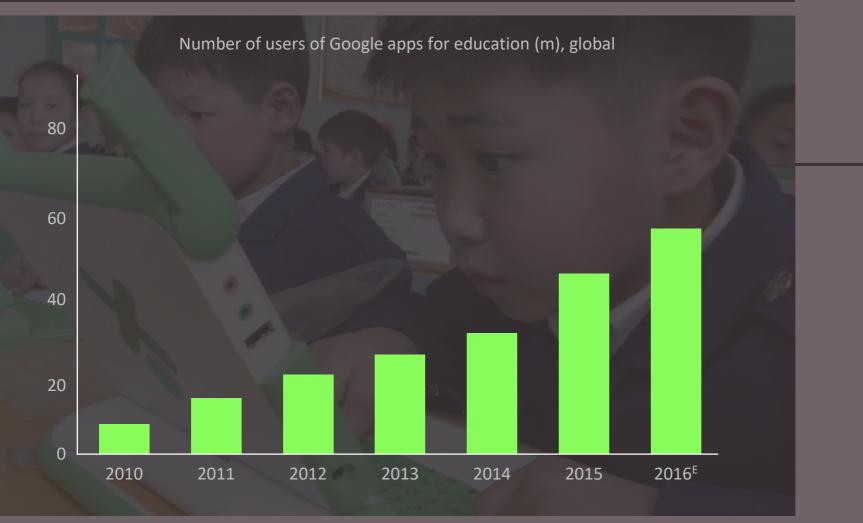
Global educational attainment has seen marked improvement, particularly over the past decade





Source: Simon Marginson; UNESCO Note: Data for 1971-79 not available for Sub-Saharan Africa

Access has improved because of innovations in education provision, including through the emergence of e-learning tools





Source: Boost eLearning, a Google for Work and Google for Education partner Note: Includes teachers, students and administrators

1/12

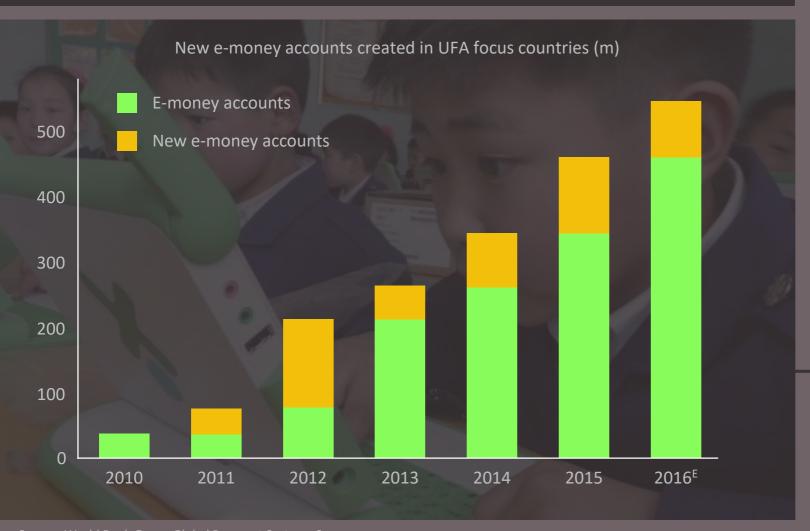
In part because of big-data analysis, less developed countries are becoming more financialised





Source: World Bank Group Global Payment Systems Survey

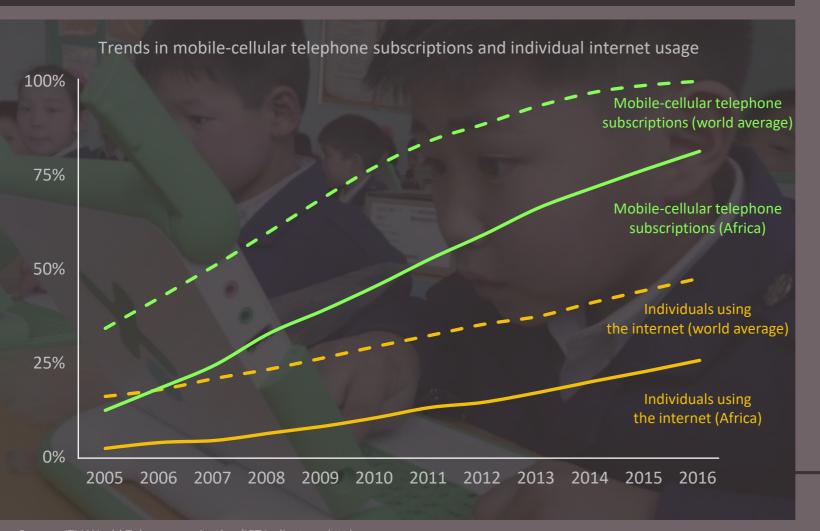
E-money accounts are further enabling access





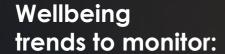
Source: World Bank Group Global Payment Systems Survey

Much of this progress is made possible by tools leveraging growing internet penetration in developing markets





Source: ITU World Telecommunication/ICT Indicators database





Social cohesion, the reconstruction of social capital across all levels of society, and the role of technology therein



Erosion of stigma and misconceptions attached to mental health



The genomics market and implications around healthcare provision and access



Equality of opportunity and of wellbeing trends across different demographic groups



...among others



Image sources

