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FUTURE OF INSURANCE

THE TIMES





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ENVIRONMENT

Insurers have to meet climate change head on

Insurance against climate change is fast becoming non-negotiable for both individuals and businesses

Olivia Gagar

limate-change risk to the insurance sector has never been greater. Weather anomalies are now commonplace: the past year alone saw unprecedented wildfires in California and Australia, exceptional flooding in Venice and the costliest typhoon on record in Japan

2017-18 was the most expensive two-year period on record for global re-insurance, which had to stump up \$219 billion to settle claims for weather-related damages, according to a World Economic Forum report.

That's just for those who can get insurance. Antony Woodhouse, partner at law firm DWF, says: "One of the biggest issues is whether insurance companies can carry on offering insurance that responds to climate change-related risks. The

"There's also the issue of insurthe increase in risk of freak events. Premiums would necessarily rise is starting to focus on recoverabiland become unaffordable to some ity, as well as prevention. people, which could then become a social and political issue."

As a result, governments and regulators are increasingly asking insurers if they can handle the liabilities climate change represents. Since last year, the Bank of England's Prudential Regulation Authority has required insurers to stress test their businesses against the risk that the world fails to meet temperature and carbon reduction targets. Independent watchdog, the Asset Owners Disclosure Project, has warned that the industry is failing to meet the objectives of the 2016 Paris Agreement. So how is the industry adapt-

ing? In the UK, flooding is perhaps the biggest climate risk. UK trade organisation Business in the Community estimates 40 per cent of businesses close for good after a catastrophic loss from flooding, with small businesses losing 50 working days on average after a water breach. February 2020 saw Storm Ciara and Storm Dennis overpower homes and high streets and batter infrastructure, just two months after thenenvironment secretary Theresa Villiers promised an inquiry into why many flood-prone communities are denied insurance.



Dr Bev Adams, head of catastro- | aren't compensated for a specific phe resilience at insurance broker loss, like a collapsed factory wall more frequent the natural disas- and risk manager Marsh, says that or a waterlogged sofa, but for the ters, the more difficult it can be to in the UK and beyond, the indus-triggering event, like a flood or a find insurers with an appetite to try's approach to climate change drought. A pre-agreed sum of cash and flood is evolving. As risk is paid out when floodwater reaches heightens, the payouts grow and a certain level, for example, or temers adjusting their prices to reflect | the gap between climate risk and | peratures or wind speeds hit a protection gets bigger, so the sector | predetermined high.

Customers with medium

Customers with

comprehensive coverage

Insurers who feel that the risks are

driving demand for new offerings

Personal

NATURAL CATASTROPHES AND INSURANCE

Adams savs we should increasingly expect preventative meas-Cue the rise of a different type | ures to be built into homes and of cover against climate change: businesses. "Traditional insurance parametric insurance. Policyholders | protects you financially against the

my electrical sockets up. I've put in water-resilient plasterboard. I've tanked out my floor. I put some pumps in. I've moved my product on to crates. I've moved my key machinery up. Insurers like parametrics because they know in advance what the set-

tlement will be and the exact conditions that will lead to a payout. It's a model that could work well for people and businesses in high-risk areas which fail to qualify for traditional insurance. Such cover relies on data and measuring tools. UK parametric

insurer FloodFlash calculates its premiums according to the flood risk it believes an individual or business faces. It calculates this using data such as historic rainfall records and sensors which measure the quality of terrain. Tamper-proof sensors developed by ex-Dyson staffers are installed at the insured location, triggering a payout when water reaches a pre-agreed depth.

Dr Bronwyn Claire, senior programme manager of ClimateWise, a University of Cambridge-backed network of insurers seeking to reduce the impact of climate change on the sector, is focused on industry best practice to provide as much cover for natural disasters as possible.

"How do we make sure that as much is covered by insurance as pos sible, so everyone can be more resilient and bounce back?" she asks.

As high-impact weather events are increasingly seen more as an expectation than a risk, insurance against climate change now seems to be about enabling recovery for as many people as possible. There is a sense of inevitability about the physical damage society must reckon to cope with as a result of climate change. Claire concludes: "The goal now is to recover quicker."



risk of water entering your facility

Greater resilience opens up more

options, like parametric insur-

ance, which uses sensors to detect

water exceeding a particular depth

in buildings and can result in an

instant payout. Anything below

that [is covered by the fact that]

you've built flood resilience into

Parametric insurance makes sense

if businesses have prepared them-

selves by taking action to install

resistance and recoverability meas-

ures, Adams adds. Each property is

different, but a business that could

more easily qualify for paramet-

ric insurance would be one which

can tell their insurer: "I've moved

your building," she says.

RACONTEUR.NET — 3 — 03



Closing the protection gap for gig workers

The exponential rise of the freelance workforce is a much-discussed trend across the globe, but is enough being done to protect those who don't have cover?

Oliver Pickup

vears ago and was automatically afforded three months' paid sick leave by his corporate employer, was the last thing on his mind. Yet as self-employed well-wishers expressed their envy at his financial situation, and it became clear inexpensive insurance cover for freelancers didn't exist. Beilin identified a protection gap that he felt duty bound to narrow.

"It was only after some freelanc friends visited me that I realised the extent of my good fortune," says the co-founder and chief executive of Collective Benefits. "The penny dropped when one said, 'You are so lucky. If I had time off work because

hen Anthony Beilin suf- | of sickness for a quarter of a year, I fered a prolapsed disc two wouldn't be able to afford the mortgage or cover child costs'."

this worrying comment, Beilin starting a business from scratch soon learnt the scale of vulnerability facing a growing number of

of freelancers lack any IP, health or critical illness cover

self-employed workers, who typi cally don't have the protection and benefits he had taken for granted "What became apparent was that all these people had turned to self-employment for the same reasons of flexibility, greater earning potential and choice of work,' he says. "But they had left them selves in a risky position in terms of financial wellness

"Most of them had children, but no income protection (IP) and they were not receiving the legal or financial advice they needed couldn't comprehend why, in such a big shift in the make-up of the workforce and the rise of the gig economy, there were woefully inadequate services available for self-employed workers."

Beilin resolved to revolution ise insurance cover for freelance ers. In April 2019 he launched Collective Benefits, which pro-

> vides freelancers with ben efits including sick pay maternity leave and mental health support. Validation that there is a market need arrived quickly as in late-November the young organisation was selected as one of 13 startups, out of more than 600 applicants, to join Facebook's Londonbased accelerator LDN_LAB. He points to research, pub

lished in January by responsible technology think tank Doteveryone, that suggests 93 per cent of freelancers lack any IP, health or critical illness cover That number is so shockingly high because freelance insurance prod ucts are inaccessible, inappropriate and unaffordable, something we are actively trying to solve," says Beilin.

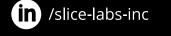
"Currently, for example, a selfemployed individual might pay three times more for health insurance compared to the tax-efficient corporate Alarmed but curious to explore rate. No wonder uptake in insurance cover for freelancers has been so poor and people are willing to risk living without that financial safety net."

> Providing reasonably priced insur ance cover for freelancers is crucial for businesses in particular and society in general, given how rapidly the make-up of the workforce has transformed in the last decade. Indeed the Association of Independent Professionals and the Self-Employed (IPSE) estimates the number of freelancers in the UK has surged by 35 per cent since 2009. Consider that the solo self-employed market contributed a whopping £275 billion to

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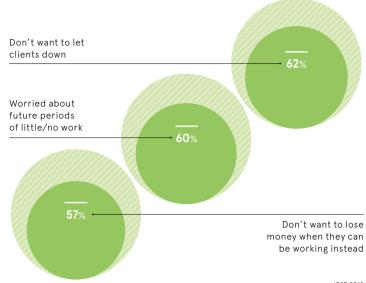
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TOP REASONS WHY FREELANCERS DON'T TAKE TIME OF

UK survey of over 900 freelancers



workforce, who are self-employed, of whom freelancers account for almost half. Only 4 per cent of those though, according to a recent report cent of self-employed people could not survive for more than three months if they lost their income.

How have we got here? "Simply put, insurance products have not evolved in 300 years," argues Beilin. "It seems obvious that they should be adapted most prominent players are laggards."

Ben Rose, chief underwriting officer and founder of Digital Risks, | nificant 'protection gap' and advisan insurance provider focused on ers play a critical role in narrowing the requirements of digital busilating that gap," he says. "They are ideally nesses, agrees. "The shift to selfemployment has developed at an conversations and educate their freeastonishing rate," he says. "The transition has happened so quickly sity and not just a 'nice to have'.' that an insurance lag has developed. whereby traditional market players' rigid policies are unable to match this fast-moving industry."

However, the meshing of two verticals – the shift towards a freelance workforce, plus the ability to distribute and engage people on digital platforms - has forged an excit- | should be adapted ing chance for those progressive and agile enough to take advantage The sluggishness of market incum
emerge, but the most bents has accelerated the emergence of nimble insurtechs, such as Collective Benefits, Digital Risks | are laggards and many others, looking to offer freelance insurance that is specialised, personalised, flexible and wide-ranging, at a reduced cost.

"There are great opportunities for approaches and offerings to serve this growing self-employed market," says Freddy Macnamara, founder and chief executive of Cuvva, which has been offering flexible car and travel insurance through its mobile application since 2017. "Innovative startups are stepping up to the challenge, building flexible, short-term mercial and personal insurance.

insurance that can be switched on is provided as soon as possible.

IPSE calculates there is a record | as needed is filling a much-needed high of around five million peo- insurance gap, providing gig-econple, just over 15 per cent of the UK omy workers and freelancers with a better alternative."

Insurance cover for freelancers on demand may be a click away for five million workers have IP in place, | those in the know, but are enough self-employed workers sufficiently from insurer LV=. Moreover, 33 per | educated about their insurance options? Steve Bryan, director of distribution and marketing at The Exeter, an insurance provider that are opting for a freelance career, but warns: "All that glitters is not gold." when new markets emerge, but the He is sure more can, and must, be done to help freelancers.

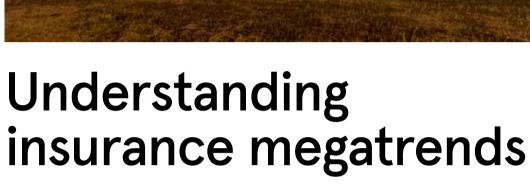
"Undoubtedly, there is still a sigplaced to kickstart those difficult lancing clients on why IP is a neces-



Insurance products when new markets prominent players

Rallying for a more joined-up approach, and collaboration between the insurtechs, more traditional providers and the government, Bryan adds: "Ultimately, advice is what is going to make the difference and will be the driving force behind how the freelance insurance marketplace will look in five years."

Given the record number of self-employed workers looks certain products, filling a gap between com- to continue rising in the coming decade, it makes sense for everyone "The flexibility of short-term in society that education and advice



Emerging megatrends in a fast-changing world, increasingly impacted by climate change, pose testing challenges for the insurance industry

recently dominated headlines around the world and will dominate insurers' inboxes for some time to come as families and businesses count the cost of the devastation. But were this season's fires a one-off extreme event or a new norm?

"It's impossible to say at the moment" says Simon Laird, global head of insurance at law firm RPC. "We are seeing a series of new and evolving risks that are hard to quantify in traditional ways."

Insurance, as a business, demands a wealth of data to be profitable. You can, of course, insure anything from an alien abduction to a skydiving nonagenarian, but such one-off events are a specialist side of the industry. Setting the right premium generally relies on an in-depth understanding of the customer, the product and the probability of insured events occurring

An underwriter assessing risk will be looking to the past for that understanding; without a reliable data set behind it, risk assessment becomes considerably more difficult

cope with a rapidly changing world that

It is time to take stock of the portfolio of risks your business covers and ensure you understand the impact of these megatrends

the profession and impacting the portfolio of risks insurers cover.

"While insurers have always faced change, it is the number of megatrends that is unusual," says Laird. He cites as examples the increasing use of technology, political unrest, cyber and climate change. "The challenge for insurers is that it is hard to predict the new and evolving risks arising out of these global megatrends," he adds.

"Insurers talk about the importance o making evidence-based decisions. These negatrends are changing the nature. frequency or severity of insured events. The data insurers have to hand does not necessarily help them to understand that changing risk. Take the bush fires: there have been bush fires for years, but how will the frequency and severity be amplified by climate change?

Insurers are experts at assessing prob abilities, but the present age of disruption can make it hard to understand claim trends. In some cases, the law is playing catch up. It has taken two years already for the UK courts to weigh the evidence on whether supermarket chain Morrisons is vicariously liable for the actions of a rogue employee who published sensitive staff details online and the final decision is not expected until later this year.

Uncertainty such as this is ofter resolved by legal disputes or changing regulation. In the meantime, how do insurers assess and price the risks of that kind of data breach?

Or take the issue of "silent cyber" whereby an insurer may have to pay out on cyber losses under a policy not designed for that purpose. The cyber risk arising out of the technology megatrend has arguably caught out insurers and the markets are now taking steps

nocking bush fires in Australia | is placing unusually high demands on | to clarify whether cyber risk is covered under their existing suite of policies.

> It can be difficult to assess the ade quacy of existing products," says Laird. There are a whole series of uncertain ties which means insurers need to con stantly be reviewing their products, pricing and adequacy of reserves. Adequacy of reserves is incredibly important for nsurers and something the regulator takes a keen interest in.

The industry needs urgently to exam ne how these megatrends might affect its portfolio of risks and keep an eve out for new ones on the horizon. Will. for example, the law around mental health develop in such a way as to introduce a new megatrend?

Not surprisingly, those who best understand the uncertainties as they volve will be best placed to deliver sus tainable underwriting profits. That may ell mean a forensic re-examination of contracts: "standard" clauses may need be revised or new products devel oped to meet new challenges. Insurers vill need to innovate to stay ahead of the game in a digitally transformed world.

Despite the overflowing data pools tha are being produced by new technol stock of the portfolio of risks your busi ness covers and ensure you understand

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Five key roles shaping the future of insurance

The many changes affecting the insurance sector make it an exciting destination for graduates from a variety of backgrounds, so what are providers doing about it?

Cath Everett

raditionally. have not considered the nsurance industry as a go-to career destination. Generally viewed as staid and lacking in innovation, it has neither been seen as sexy nor positioned as offering lucrative job opportunities.

the 2008 recession, customers have | ing much more like modern retail become less loyal, more price sensibanks". This means their opertive and more likely to shop around ations will become increasingly using price comparison websites. As digitalised and transparent, with a result, many insurers, particularly the focus on mechanisms such on the general and life insurance as loyalty schemes to attract and side, have had to become more customer focused to compete in ways that were unnecessary before.

graduates | To do so has meant turning to technology and the clever use of data, not least to keep the potential threat posed by insurtechs at bay.

Adam Gates, head of recruitment

consultancy Odgers Interim's insurance practice, believes such dynamics will result in the "insur-But things are changing. Since ers of the future looking and feelretain customers

But which are the roles shaping the future of the insurance industry?



Historically, insurers did not engage directly with customers. But general expectations of more personalised products and easy-touse services, on top of the disruption to traditional business models generated by insurtechs, are inevitably generating change.

As part of this shift, the role of the chief marketing officer (CMO) is becoming increasingly vital not only to build a strong company brand, but also to be the "voice of the customer", says Claire Sadler, marketing director at insurer Direct Line for Business. Being this voice involves "making sure customers are understood, and their needs are known and represented in business decisions, from product development to the service experience", she explains.

A key challenge for many established CMOs, however, is being able to adapt to the fast-changing | such as retail banking and telecoms, | ers' businesses



customer landscape and respond | is becoming increasingly popular to quickly enough to new challenges | bring in fresh thinking". and opportunities, which includes "more customer-centric sectors,

Over the next five years, he also employing cutting-edge marketing | expects to see a rise in the number technology effectively. As a result, of currently rare chief customer says Gates, recruiting people from officer roles as customers progressively move to the heart of insur



Chief data officer

The shift to a more customergrowing focus on how to employ | investment decision-making.

data more strategically with the help of new technology, such as vice offered to customers that isn't machine-learning. The aim is to materially impacted by it," he says. centric business model, plus a improve everything from product desire not to be left behind by dig- | innovation and customer acquiital startups, has resulted in a sition and retention to risk and prices and a personalised service is

what belated arrival of the chief data officer (CDO) role into the insurance sector about 18 months ago. although in some instances, it has been rolled into the more traditional chief technology officer (CTO) position due to the close link between the two disciplines.

This momentum led to the some

While in the past, such roles were viewed simply as offering support services to the business, they are now considered of growing strategic importance, not least to enable innovation, explains Steve Woodford, CTO of BGL Group, a digital distributor of insurance and lomestic financial services.

"The CDO/CTO role is now pivotal to the success of any organisation in the insurance sector and I can't think of a single aspect of any ser-"Using data to best effect to serve customers, ensure they get the best increasingly how we compete.'

Chief talent/diversity and inclusion officer

A key means of generating change in a traditional industry is for organisations to broaden their current talent pool and bring in new people from a diverse range of backgrounds.

Miriam Earley, global head of diversity and inclusion (D&I) at professional services group Marsh & McLennan, explains: "To deal with an era of disruption and fast-paced change, there's a need for different ways of thinking as traditional ways of approaching work, clients and organisational strategy may simply not be right any more."

But while the head of D&I role is already quite widespread, among arger organisations at least, it is an to talent management. area that is still evolving. While the diversity element is about broadening the net to increase members | because they often neither fully | of the role as a catalyst for change to of under-represented groups, the understand what D&I professionals grow over the coming years



ding change into organisational actually want from them. processes ranging from recruitment

However, for most insurers there is still some way to go, not least | expects the breadth and influence

inclusion aspect involves embed- can bring to the table nor what they

Although traditional industries, such as insurance, are at earlier stages of the journey, says Earley, she



Chief sustainability officer

During the next few years, existing corporate social responsibility between the two is one of depth, individual projects and more about internal change at a systemic level, approach as an employer says Kelly Coombes, founder of consultancy Climate Risk Solutions.

a nice-to-have that looked good mercial benefits to be gained from aren't taking place yet."

using sustainability metrics and the social, environmental and financial triple bottom line."

But CSO positions are still few and far between. For example, (CSR) leadership roles are expected | industry giant AIG only appointed to morph into those of chief sustain- its first CSO last July to develop ability officer (CSO). The difference | and implement an enterprise-wide sustainability strategy, coverwith sustainability being less about | ing everything from insurance and investment activities to its

"There's a lot of movement going on in the wider commercial econ-"CSR was the starting point, but omy and customers, employees and having a CSR officer was mainly | investors are all looking for companies to be more socially responsiin an annual report," she says. | ble," says Coombes. "So the insur-"Organisations are now realis- ance sector will have to change, but ing, however, that there are com- many of those conversations just



Chief investment officer

Changing customer expectations and the growing commercial structure to track the performance of pressures posed by new market entrants in the shape of insurtechs are making the insurance sector extremely competitive

Moreover, the challenges faced sions, and general and life insurance cover, due to the impact of an ageing population on policies, are leading to market consolidation. For by acquisition rather than rely on organic growth.

"Given how competitive the insurance market is, the need for astute scrutinised and regulated role asset and capital allocation strategies that ensure risk-mitigated investments is growing significantly," | ment portfolios".

says Gates. "This includes the need to ensure a watertight strategy, but also a governance and monitoring investments and the agility to reallocate where necessary.'

Other influences include the rise of activist investors, who are applying increasing levels of presby companies, particularly in pen- sure on companies' investment strategies. As a result, to cope more effectively with such dynamics, a number of chief investment officer roles have sprung up over the last many businesses, the aim is to grow | few years, although they are yet to become widespread.

Into the future though, Gates expects to see this "increasingly work very closely with the CSO to "co-ordinate sustainable invest-

SaaS in the city

rather than dictating them

were partying like it was 1999.

not an exaggeration. Many insurance

that adds to already significant techni-

This scenario results in more frequer

system downtime and a lack of interop-

erability that makes other inefficiencies

almost unavoidable, constituting a mas-

the sector when it comes to upgrades

cal debt accumulations

cost of performing an

of all respondents

have to pay for

75%

enterprise-wide upgrade of one

version of a system to the latest

version, according to 20 per cent

of respondents agreed out-of-date

IT systems create inefficiencies and

reported that their IT systems

despite having service level

were not confident in their

current IT systems' ability to

www.duckcreek.com/upgrades-report

Are Upgrades Holding Insurers Back?

support growth strategies

75%+

had fallen behind with upgrades,

agreements in place with vendors

ere we are, at the dawn of a | Lavers of legacy

new decade, but for far too indeed, the majority of respondents to a recent independent survey of more that many re/insurers the technology deployed as they enter 2020 is 100 senior insurance executives charac frighteningly similar, if not the same, terised their IT infrastructure as consis to the tech they were using when they ing of multiple legacy systems operating across a host of different IT vendors an Anyone who has worked at a large, often falling behind with upgrades

From helping to alleviate the upgrade burden, to engaging in a

modern commercial conversation with customers, Duck Creek

Technologies managing director for Europe Bart Patrick spells out

how leveraging software as a service supports insurers' strategies,

well-established insurer knows this is In particular, it was clear that system ipgrades and maintenance can cau enterprises are running layers of outa huge drag on the efficiency of a busi dated technology and too many highly ness and regularly impact the working skilled back-office teams are currently life of staff, in some instances causing mired in "just keeping the lights on", a naior disruption across an enterprise time-intensive and expensive process

And with the costs of upgrading enterprise-wide from one system t nother all too frequently exceeding €500,000 or even €1 million, this is not small change for any business.

In fact, 91 per cent of senior insu ance respondents to the survey admit ted that out-of-date IT systems created nefficiencies and costs that ultimately the insured - that's you and me - have

Step-change for the industry It's clear the eradication of the

upgrade burden would constitute one of the biggest steps forward in insurance operations. Upgrades are holding insurers back from innovating, but without wholesale systems change companies risk getting stuck in a cycle of bolting on new layers of technology, essentially akin to rearranging the

In contrast, software as a service (SaaS) enables faster upgrades that provide insurers with the latest feaures and functionality and provides greater speed and agility to meet evolyg customer needs

cornflakes in a box of cereal.

But the SaaS model goes way beyond simply hosting software in the cloud. By providing a set of services and support, it enables a fundamentally nev approach to competing in today's economy, one where technology sup ports strategy rather than dictating i n innovation in entirely new ways

When combined with technology built on an open platform, which pro vides access to pioneering insurtech partners in the broader ecosystem via application programming interfaces (APIs), carriers can realise significant operational efficiencies.

An ecosystem is typically defined as an inter-relationship of offerings in a common market and our mission at Duck Creek is to build the most dynamic and valuable partner ecosystem for the nsurance industry.

For instance, we've built productised ntegrations to the most common used insurance data and services

Without wholesale systems change, companies risk getting stuck in a cycle of bolting on new layers of technology

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olutions, including geolocation, MVR motor vehicle records) lookups, vehi le data pre-fill, e-signature and more. We're also continuously adding new olution partners. A good example is our relationship with Cytora, an ecosysem partner powered by artificial intel gence, which enables our customers to access a wealth of information about a ommercial property with just a few key variables, doing away with those seem ngly endless question sets normally associated with commercial property. while increasing accuracy too.

And another of our ecosystem parters, FRISS, dovetails with Duck Creek n claims, providing fraud prevention echnology that is impacting directly on combined ratios.

Designed for change

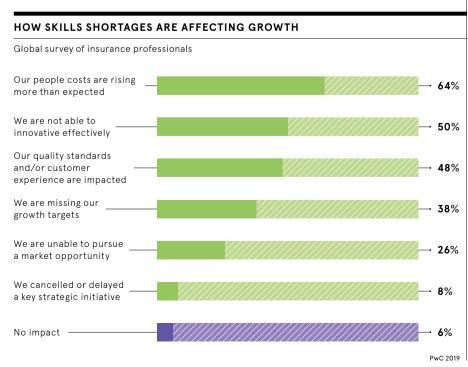
Our SaaS offering, Duck Creek OnDemand, is built for insurance and lesigned for change. We provide insurers with faster upgrades, end-to-end upport, productised third-party integrations, reduced implementation timenes and risk, high scalability and per formance optimisation, plus advanced ecurity and privacy that paves a path orward to faster innovation

The bubble of layer upon layer of egacy systems that currently haunts ne insurance business may make com oanies feel safe because it maintains ne status quo, but it's not safe. It's very agile. Bubbles burst

It's time insurers assessed their tech ology risk with the same eye they use assess the risks they underwrite aaS redefines IT risk and the nature of safety. Change is the new safe. Change

For more information please visit www.duckcreek.com





Blending people and technology to transform insurance

As customers continue to demand a heightened digital experience, successful insurers will be those that collaborate openly and combine their focus on a new business model, technology and people, rather than any one in isolation

surance may be one of the I world's oldest industries, but it is as prone to disruption as any other. For the first time, consumers and businesses alike are demanding digitally enabled products with more | business owners have increasingly | that a flight was cancelled or delayed. transparency, flexibility and fairer pricing. To compete, insurance incumbents need to evolve their workforce and strike partnerships with both new | top devices, with a digital experience. entrants and adjacent players in a more open, collaborative ecosystem.

The outlook of insurers has arguably never been as positive, providing they can embrace the opportunity that disruption presents and evolve their

Jim Bichard PwC UK Insurance Leader

workforce

Historically, small and medium-sized | technology monitors global flight disenterprises have sought advice on ruptions in real time on a suite of prodinsurance through brokers and intermediaries. In recent years, however, their insurance policy without the this has changed significantly, as small wanted to purchase insurance in the same way as they buy their own personal cover, on their mobile or desk-They want to make claims and get reimbursed in the same way too.

The situation is similar in the life insur-

cial advisers (IFAs) may still be a firm fixture, but a growing number of people are panies that have leveraged their brand more comfortable transacting online. Closing the life insurance gap - half of adults have never bought life insurance, a recent PwC Currency of Collision survey found – and meeting the digital expectations of those that do, requires transformation in the front and back office of insurance companies, and automation of both servicing policies and UK insurance leader at PwC. "Most

processing claims. gained quick traction by capitalising eral years in, fundamentally on this demand for more customercentric and digitally enabled services. pretty consistent with how it Having initially viewed them as a threat, has been for a long time. But insurance incumbents are now seekin collaboration with them. Manulife, transformation. for example, has partnered with Irish

ucts that enable travellers to claim or inconvenience of submitting proo

There are clear benefits for collaborative insurtechs too, providing access not only to large customer groups, but also the brand equity that companies have spent decades building. In insurance, perhaps more so than any other industry, customers seek brands they ance market, where independent finan- know and trust. John Lewis and Marks & Spencer are examples of two com ecognition to drive success in the

"A lot of traditional players may have esisted this direction for a while, but ketplace is rapid," says Jim Bichard are only at the beginning of that iourney. Even if they are sevtheir business model is still working with those new entrants

ing to develop innovative propositions and technologies can accelerate While customer switching is not pertravel insurtech startup Blink, whose haps as prevalent in insurance as it is

n banking, it's still a major concern for \mid to adapt their talent capacity and precompanies. Certain areas of the insurnce market, including life insurance, tend to be very opaque, making it difficult for customers to understand what they're buying. Regulators are trying o drive more transparency and fairness. The Financial Conduct Authority's recent review of home and motor insurance found that loyal customers can pay ar more for the same risk than newer sustomers. The same review found six nillion customers could save £1.2 billion f they paid average premiums instead.

Savvy insurers are seeing an opportunity to get on the front foot to increase oyalty or take market share. Saga, for example, has launched a three-year fixed car insurance product, providing the clarity and simplicity consumers desire. Others are embracing flexible nodels such as pay-as-you-drive car coverage, and startups such as Anorak are releasing clear and tiered offerngs with no hidden fees or charges. By responding to customers' demands. ompanies are identifying ways to take a lead in sub-sectors of insurance, driving industry convergence and new opportunities for growth.

"Customers have previously been nost influenced by price and while that's still important, we're seeing a significant resurgence of brand value and service quality in decision-making, says Christine Korwin-Szymanowska, partner in PwC's Strategy& business. That's good for some of the incumbents, but also adjacent players such as retailers or consumer brands. Differentiating based on claims service and after care is likely to be more mportant than pricing, so insurance firms need to prepare for that."

While technology is vital to enhancing transparency, removing barriers to buying and enabling the experience that customers crave, transformation will not succeed unless it places people at its heart. However, keeping up with | For more information please visit changing talent requirements is the pwc.co.uk/currency-collision/ most difficult challenge of all, requiring not only a willingness from staff to invest in themselves and embrace a different way of working, but also an understanding from companies of how

pare a workforce for the future

Companies that overlook the talent and mindset shifts needed to stay connected to their customers' evolving needs risk being blinded by digital. This is where partnerships are providing further startups brings more than cutting-edge products and services, it also brings the skilled people who can develop and maintain them and provide a fresh take on how to meet customer expectations

PwC's latest Global CEO Survey shows hat, following an initial period of fearing digital disruption, insurance chief executives are increasingly positive about the future. Rather than feeling threatened by echnology and worried about how they can work in harmony with it, they are now hinking about how they can work collaboratively with startups to increase their digital capability, as well as grow revenue and access new markets

AIG for example has partnered with online mortgage broker Habito, recogising opportunity because getting a mortgage is a common decision point at which people also purchase life insurance. When applying online through Habito, customers are asked if they've considered getting life insurance and are

"The outlook of insurers has argu you take your people with you? How do you think about digital upskilling and the workforce of the future? Using our knowledge of the global market, we help our insurance clients understand what transformation really means to deliver value; we support them from strategy all the way to execution."



75%

of UK CEOs believe their upskilling programmes are effective in accelerated digital transformation **75**%

of UK CEOs believe it business growth

> believe that over the next decade technology will change their current job

PwC CEO Survey 2020



believing that their changed or obsolete as a result of automation

Diversity and disruption

Ahead of Insurtech Insights Europe next month, **Bradley Collins** and **Ellenie Chan** call for a fresh approach to hiring and people management to supercharge disruptive growth in the insurance industry

ance? I don't claim to have with this mindset. the latest figures, but I would hazard a guess it's not many

job in insurance can be stimulating to personal fame and stardom.

leaders can honestly say they have pulled out all the stops to make the sector an attractive prospect?

This is not a criticism of the sector. I believe the insurance industry makes a positive contribution every day to improve the lives of ordinary people.

that should appeal to the modern sensibilities of the young job- ter in drawing on the emotive aspect seeker which we should promote, of what they do to appeal to the for instance a focus on mindful- millennial generation who deeply ness, health and wellbeing is high | care about the world they live in. on their agenda. Providing peace | The 2020 Edelman Trust Barometer of mind to help people enjoy their discovered that 92 per cent of

ow many schoolchildren | holidays or protect their family | employees expect their leaders to dream of working in insur- | should be rewarding for people

With the huge demand for STEM (science, technology, engineering | and ethical use of technology. Personally, my tennis abilities led | and maths) talent in the industry. me to believe I would one day go on every insurer should be ploughto triumph at Wimbledon, but life | ing resources into a recruitment took a different turn. The dreams strategy. Currently, this talent is at the cutting edge of futuristic develand ambitions of young people are attracted by tech companies like far-reaching and while we know a Google, Facebook, Amazon and insurance is, at its core essence it proother prominent names in the techand challenging, it's unlikely to lead | nology sector. These companies promote an enjoyable culture and But how many senior industry the opportunity to work on cutting-edge projects.

Why would this talent choose to enter the world of insurance? It should be a consideration because there is a diverse range of opportunities that fall under the insurtech umbrella and more created all the time as the industry undergoes seri-There are a number of positives ous disruption through innovation.

I think insurers can do much bet-

speak out on a range of well-mean ing topics, two of which stand out for me: training for jobs of the future

Insurtech investment has hit a record high and it's safe to say that companies are genuinely offering jobs opment. Also, if we boil down what tects the world and the people within it. It gives people freedom. That's a pretty ethical use of technology.

The industry can do a far greater job at marketing itself to appeal to

While large insurers and smalle insurtech startups might not imme diately seem glamorous companies to work for, especially compared to the casual trainers and tees dress code and ping pong tables offered by big tech companies, let's not under sell our great industry.

It's an exciting time for the insur ance sector. Leaders should be taking steps to supercharge growth by evolving culture and archaic traditions, while simultaneously promot ing the ethics that already sit at the heart of the industry, to attract the finest talent out there.



The industry can do a far greater job at marketing itself to appeal to students and grads

Bradley Collins nsurtech Insights



vices, the insurance industry doesn't score well on diversity and inclusion (D&I). While the situation is improving at nearly all levels, the Association of Britisl Insurers (ABI) recently revealed that female representation at board level has only increased by a negligible per cent, with women still account ing for just one in five jobs.

Despite three quarters of organisations having a D&I strategy, representation from the BAME (black, Asian and minority ethnic) commu nity dropped from 15 to 13 per cent.

However, this is not another polemic targeting industry leaders or resorting to stereotypes about old white men. At Insurtech Insights we recognise the need for leaders to drive growth and growth comes from positive action.

Aside from the altruism of creating opportunities for those who may not have had them, there is a raft of business benefits arising from a diverse and inclusive workplace culture. These include increased productiv ity, creativity and innovation, which add up ultimately to profitability.

Higher representation of women in C-suite-level positions results in 34 per cent greater returns to shareholders: companies with above average diversity had 19 per cent higher innovation revenues: and racially diverse teams have been shown to outperform non-diverse teams by tional benefit to your brand and the appeal to a wider pool of talent, and it all makes sense.

The consumer-base is becoming increasingly diverse and it takes a diverse management team to set clear strategic business goals to address a inclusive and empowered staff culture to execute high-valued, novel and personalised insurance products and services for this group of consumers.

Women control up to 80 per cent of excited to see women-led insurtechs disrupting the industry as they act as an inspiration. We're excited to see and hear insurers speak more about D&I programmes to empower the workforce and executives.

per cent of companies now have an ance leaders and innovators returns executive sponsor for D&I and more | to London at the Royal Lancaster, than half have someone responsible | March 17-18, 2020

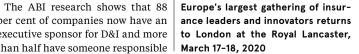


It takes an inclusive and empowered staff culture to execute high-valued, novel and personalised insurance products and services

Ellenie Chan Chief content officer

for inclusion of LGBT+ (lesbian, gay 35 per cent. Add to this the reputable bisexual, transgender/transsexual plus other groups). That's a good step and it's heartening to witness the increase in awareness of the need for D&I initiatives and the detriment of a uniform workforce.

The world is changing and so is the nsurance industry. If the incumwider group of consumers. It takes an bents don't keep up with the pace of young, fast-paced, agile, digital-first insurers that really understand their customers. We have made it all purchasing decisions and we're our mission to assist incumbents by bringing them together with their startup peers to share learnings and



Earnix 2019

PERSONALISED PREMIUMS

The ability to offer insurance products tailored to each individual customer is predicted to be commonplace in the coming years, according to research. And while the expectations of providers continue to grow, the benefits they will experience from value-added services could be transformative

the competitive edge

37%

Segmentation based

on behaviours of the

believe that, in the future, all of insurers expect that, within five years, personalised insurers will have access to the insurance will be expected as a same data, and therefore the standard practice quality of analytics will provide

Earnix 2019

MAIN WAYS INSURERS ARE PERSONALISING PRODUCTS

Level of personalisation insurers are currently able to deliver

38%

Segmentation based on demographics only

4%

Individualised personalisation adjusted in real time, based on data from connected devices

21%

Individualised personalisation (tailoring to an individual rather than a market)

Earnix 2019

PROVIDER BENEFITS FROM INSURANCE PERSONALISATION

Survey of insurers offering advanced, personalised services



81% retention

75% Sales and marketing

conversion rates

73% Customer comfort 61% sales agent effectiveness

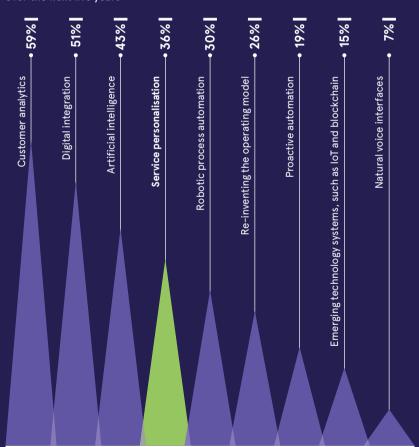
Revenue per

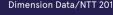
Broker channel

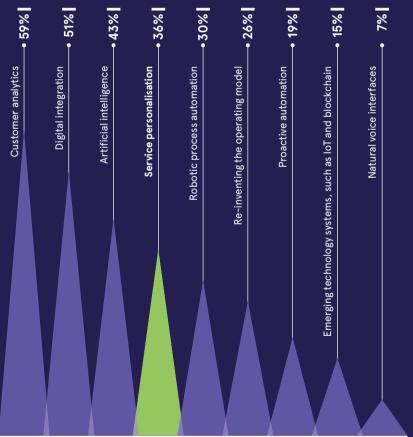
effectiveness

DRIVING SUPERIOR CUSTOMER EXPERIENCE

Insurers ranked the top things most likely to reshape their customer experience









CUSTOMER EXPECTATIONS OF PERSONALISATION

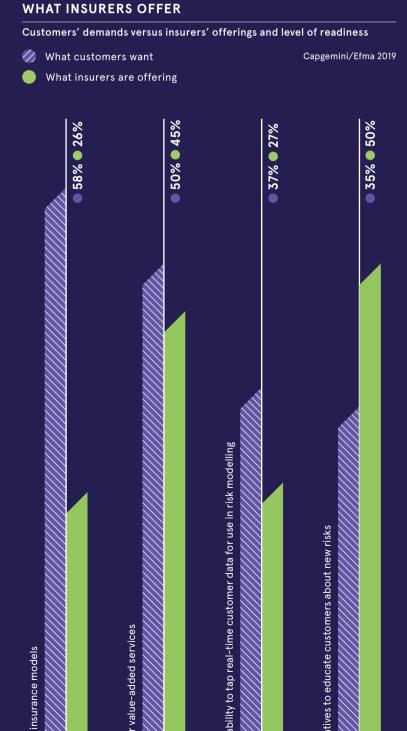
When insurers anticipate customers will expect individualised personalisation as standard Earnix 2019 Already happened -Within two years Within three years Within five years

of product bundles in real

time, based on data from

connected devices





DISCONNECT BETWEEN WHAT CUSTOMERS WANT AND

Dan Peate, founder of Avinew, a

California-based insurance technol-

ogy company for driverless car own-

ers, believes legislation regarding

driverless car insurance will have to

Peate, a former assistant vice presi-

dent at the London financial services

He explains: "If your car is parked

in your driveway and a tree falls on

if your car is 100 per cent self-driv-

ing, someone could bump into it.

There are a whole series of things

that auto insurance would still do

for you, even if tomorrow we had 100

per cent driverless cars on the road."

dents inevitably raises the question

of how this will affect car insurers'

profitability. Gerger says that while

the number of accidents could fall

dramatically, the cost of replacing

the expensive new technology that

is increasingly being fitted to cars

is already affecting average claim

costs, which rose from £2,683 in 2014

to £3,326 in the third quarter of 2019.

The ABI's motor policy expert also points out that the car insurance

sector is intensely competitive and

since 1983 there have only been a

The prospect of a decline in acci-

evolve continuously.

of God, theft and so on".





Enabling the new age of insurance

Whether they are incumbents or startups, insurance players embracing innovation and building products that meet the changing needs of customers will lead the way

e insurance sector has l ransformed in recent vears water when it comes to digitalisation, trialling products that weren't too expensive or obtrusive, to a clear recognition that new business models and ways of engaging with customers are crucial. While insurtech startups have been central to driving this realisation through the traction they've gained, recently their influence has been re-evaluated

Two to three years ago, startups such as Trov and Lemonade were being heralded as representing the emergence of new business models and the definition of how insurance should now be thought about. Since then, however, Trov has pivoted and is providing a service in collaboration with the huge valuation and significant hype behind it, still has to prove it will be able to make a significant difference to the market at scale

"Our hypothesis is there will definitely be more insurtech upstarts, but in terms of new entrants making a significant difference to the insurance market at scale, the jury's still distribution models, and thought out," says Tim Hardcastle, founder and | what is insurance actually about? chief executive of INSTANDA, whose says Hardcastle. "Simplistically, it's cloud software enables insurance about data and ingestion, some rules firms to easily create, manage and distribute their products

there is a level of brand impact, lovscale in a meaningful way. Meanwhile. flexing their models and becoming more tuned into their marketplaces. which is where we can help."

INSTANDA's no-code product

design platform is built on a powerful set of insurance-specific calculations, processing and workflow capabilities that free companies rom high-cost legacy systems. Using its software, organisations can mend rates, questions, documents and customer journeys in minutes, ers can pay for an insurance produc and new products can be launched days. Return on investment is underwriting and distribution costs, and improved customer experience

"When we were considering the technology needed to address some of the pain points in the industry, we abstracted ourselves from the variety of insurance products in different geographies and with different and then issuing a contract. It's quite simple in that respect.

"Particularly at the consumer end. | "So when we were doing the design-thinking around INSTANDA, we rom dipping its toes in the | alty and psychological alignment that | wanted to ensure we could enable any means it's hard for any new arrival to kind of insurance to be distributed in invest the billions of dollars required to | any channel. That design-thinking has led us to a position where we're work incumbents are doing a good job of | ing with some quite amazing compa nies in different geographies acros multiple different insurance types."

> One of those companies is Canopy a startup insurance firm addressin issues in the house rental market Rather than having to put six or eight weeks of rent down upfront as deposit, which is often difficult for people to fund, Canopy provides unique insurance proposition tha acts in lieu of the deposit. House rent that avoids them having to pay for a upfront deposit at all

The winners will be those that adapt their models and become much more digital and flexible in their ways of doing business

relationship with that target market. into the app, as well as open banking APIs (application programming interdeposit process to be replaced by a different financial product. Canopy is illustrative of a growing trend in insurance where interactions with consumers are enabled in different ways and the insurance product is intertwined to make it easier for people to live their lives.

Another startup that, via a pilot, is leveraging INSTANDA's technology to be able to approach the market in the most agile and innovative way is Pikl, a specialist insurance broker which launched in 2018 with some big-name backers. Pikl focuses entirely on the sharing economy, whose participants | do think the winners will be those that have different characteristics in terms of insurance products

For short-term rentals, such as those booked through Airbnb and HomeAway, homeowners may find that their standard home insurance policy is invalidated and any claims rejected, even if they only let a room or the whole property for a couple of nights. Pikl has developed a suite of products that will fill this 'insurance gap' and run alongside homeowners' standard policies.

On the other end of the scale, insur ance giant Aviva has been working with INSTANDA to introduce innovative new products in life and health cover. The company carried out significant research1 which revealed three in ten small and medium-sized enterprises (SMEs) struggle to offer competitive benefits for their employees. With SMEs citing product cost and lack of staff and resources to manage benefits as the two biggest barriers, Aviva has seen a gap to offer a flexible, highly tailored, yet simplified, protection nsurance for small businesses.

"It's fascinating for us to have a technology platform that can accommo date very different business models | Insurance, Technology, Decoder

vices and enhances the richness of its | distributed and engineered," says Hardcastle. "It goes back to something providers customising their offers, but nancially. Now we're starting to see ompanies delivering this

> Like any industry that goes through periods of change, there are organisaions which are really embracing the change and starting to change their ways of working. Blockbuster should have come up with a subscription model solution when they saw Netflix coming. The big car manufacturers should have peen more proactive about electric vehicles before Tesla came along.

"While we don't necessarily think an upstart is going to disrupt insurance incumbents in a similar vein, we adapt their models and become much more digital and flexible in their ways of doing business

"We're fortunate because we get work with companies that are doing this and it's why they choose INSTANDA. The losers will be the ones that haven't moved fast enough Companies that haven't moved quickly are still giving decent returns shareholders and perhaps it's going to take 10 to 15 years before you start ng. However, the companies that we work with truly believe, unless they do something now, they will lose out in he next three to five years.

For more information please visit

CAR INSURANCE

An uncertain road towards a driverless future

How driverless technology will affect the car insurance industry remains uncertain, but there is no doubt providers will have to adapt

Anthony Beachev

motor insurance sector, not only by dramatic improvements in safety, but also how providers make, or don't make, money.

The global toll on human life from road accidents is alarming, with not fully automated, the carmaker or nearly 1.25 million people killed each year. That's 3,287 every day, systems that enable automation? according to statistics from the Association for Safe International

And with around 90 per cent of accidents caused by human error, adviser at the Association of British car in automated mode and you are the promise of driverless cars will | Insurers (ABI). Gerger says the undoubtedly be transformative. Yet | Automated and Electric Vehicles | have to pursue a complicated, costly

riverless car technology | about how the rollout of the technol- | framework in terms of driverless romises to revolutionise ogy will affect insurance providers car insurance the very mechanics of the | and how business models will need "The ABI has worked very closely

> Not least, there is the question of how to apportion liability for an accident involving an automated vehicle. Is it the driver, if the car is perhaps the supplier of the software

The UK leads the world in answer ing the knotty question of how driverless cars will affect insurance, according to Laurenz Gerger, policy

with the government to ensure the rollout of driverless technology works as smoothly as possible," he says, adding that the development of automated vehicles will deliver significant safety benefits and should reduce the 1,700 fatalities on the UK's roads every year.

Gerger explains that the new legisla tive framework is intended to ensure nothing changes from the custom er's perspective. "If you are driving a involved in an accident, you won't there are still many uncertainties Act 2018 sets out a clear liability and lengthy process with the vehicle

manufacturer. You would simply claim on your driverless car insur ance in the same way as now," he says

However, the 2018 legislation is unlikely to be the last word because of the complexities involved with driverless cars. For one thing, there are varying types of self-driving cars. Many cars already have assisted-driving features, ranging from simple cruise control to lane-keeper assist, for ward and rear collision warnings, emergency braking and self-parking. But even the latest models still require drivers to pay attention and take over steering, braking and accelerating when needed.

One of the ABI's main concerns is that the description of assisted-driving systems "reflects their actual capabilities and doesn't mislead owners into thinking they can simply fall asleep on the back seat and leave the rest to the car", says Gerger.

Development of fully autonomous vehicles, which really would | firm Aon, notes that "even when all allow every occupant to spend their cars are driverless, the owners of the cars will still need insurance for acts journey reading a book or watching TV, could take 30 to 40 years. Meanwhile, there will be many different cars, with varying levels of autonomy, or no autonomy at all, on it during a storm, it's a claim. Even the road at the same time.

There are a whole series of things that auto insurance would still do for you, even if tomorrow we had driverless cars on the road



few years when UK auto insurance has made an underwriting profit. However, Peate believes the advent of driverless cars will change the way the car insurance market operates. Auto insurance companies currently use actuarial tables that provide profiles of the owner and driver of the vehicle, based on available data. The actuarial tables determine how much to charge, for example a 35-year-old male in a particular postal code and with a certain credit score. However, as the car does more and more of the driving, these actuarial tables and profiles will no onger make sense. Rather, auto insurers should "look t the kind of car, what features it has and how often those features

are being engaged", says Peate, adding that this data shift changes auto insurance fundamentally, so insur ers no longer make assumptions oased on a profile. He concludes: "As cars increasingly

share data, we can understand when people drive, where they drive, how they drive, including what safety features they are using, how the car drives, and we can determine what insurance rates should be in near real time. We think this is the future of driverless car insurance." \P



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PRICING

Data explosion requires more transparency from insurers

Lack of transparency in risk assessment and pricing is becoming an even greater problem in the age of personalised insurance

give up their data, with connected devices continuously sending information on driving habits and exercise routines in real time in exchange for more personalised products and services. But does more data on individuals necessarily mean a fairer and more accurate

Big data has transformed many industries and the insurance world is no different. From fitness trackers to smart cars, advances in technology and data now allow insurers to collect, store and analyse information on a far larger scale.

And it's attracting interest from an increasing number of consumers too. Research last vear from Accenture found 80 per cent of consumers are willing to share their internet of things (IoT) data for

HIGHER FOR SAFER DRIVERS

surers are increasingly | interest particularly high among relying on consumers to 25 to 44 year olds. In 2017, only 57 per cent were willing to share data with their insurers in return for new benefits.

> share their personal data with insurance companies, how the companies use such data, and whether the data is used fairly and in a transpar ent manner, is another matter.

Thanks to the digital transformation in the insurance industry, personalised insurance has been useful in tackling cognitive biases. However, access to new sources of data about people, and new ways to analyse that data, have also provided insurers with new methods for proxy discrimination, which is increasingly proving more difficult to identify and combat.

Gareth Shaw, a money expert at the characteristics, such as gender, reliconsumer body Which?, says while personalised services, lower prices | it's against the law for insurers to set | grey areas where these principles are and faster claims processing, with their prices according to protected

gion, race and disability, there are potentially being skirted, intentionally or not.

"Insurers collect vast amounts of information from you, but certain details are off limits," he explains. "It's against the law for them to set their prices according to protected characteristics, or ask for or use information about protected characteristics, but they can sometimes infer this from answers to other questions. These are sometimes referred to as proxy factors."

For example, in 2016, Which? ound examples of motor insurers charging higher prices to customers who said they were born outside the UK, even though they'd learnt to drive in the UK. Strictly speaking, no questions about their race or ethnicity had been asked, but the insurers admitted to having used information about the customers' national origins – part of how race is defined under the Equality Act 2010 - in their calculations.

As proxy discrimination is more difficult to identify and combat. companies are falling behind in | In its review, the FCA concluded successfully combating the issue, | firms that use external and IoT data largely because there isn't enough | within their pricing models do not | technology could address this. care being paid to the problem.

Authority (FCA) conducted a review with the potential to discriminate. into pricing practices in household insurance. While the review didn't find any evidence of direct distransparency about insurance risk crimination based on ethnicity or other protected characteristics, it of new technology only compounds did find there were potential prox- this opacity. ies for protected characteristics in Jathan Sadowski, a technology data being used by insurers within pricing models. In some cases, it used in industries, says when insurfound some insurance firms were using datasets that contained fac- ple, there were at least intuitively tors which could implicitly relate to race or ethnicity.

To understand this, the FCA asked and pricing. how insurers were sure the thirdparty data they used in pricing did not discriminate against certain ing decisions, he says there's a good customers. However, many firms chance that nobody - customers, could not provide this assurance without first contacting the thirdparty provider, which means insurers themselves were using the data with little understanding of how it the dark over the full extent of what consumer, insurers must put transcould shape insurance policies to personal data is being factored into parency and fairness at the core of the detriment of the consumer.

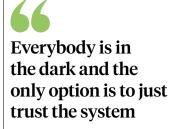
always undertake due diligence to In 2018, the Financial Conduct ensure the data did not include factors

> Part of the problem behind the bias in insurance is there's little assessment and pricing, and the use

researcher who writes on how data is ance calculations were made by peoplausible reasons behind what factored into an insurer's assessment

But now, with machine-learning systems doing analysis and makinsurers, regulators or programmers - can actually explain how an automated decision was reached.

As a result, consumers are left in discrimination, for the sake of the the pricing of their insurance.



"It means everybody is in the dark and the only option is to just trust the system," says Sadowski. "This s easy for insurers if the system leads to outcomes that benefit their interests, but it's not so easy for cuscomers who are left wondering why. Or, more likely, are totally unaware that a machine played a potentially arge part in deciding their prenium or claim."

Despite the concern over proxy iscrimination and the lack of transarency about how our data is used. policies, the future of personal sed insurance still looks bright.

The use of artificial intelligence (AI) and IoT data has led to more pportunity than ever for life insur ers to not only save costs and build closer relationships with customers, but to also improve and refine the accuracy of their processes. For example, studies have found a personalised insurance model encourages customer retention, loyalty and increased purchases.

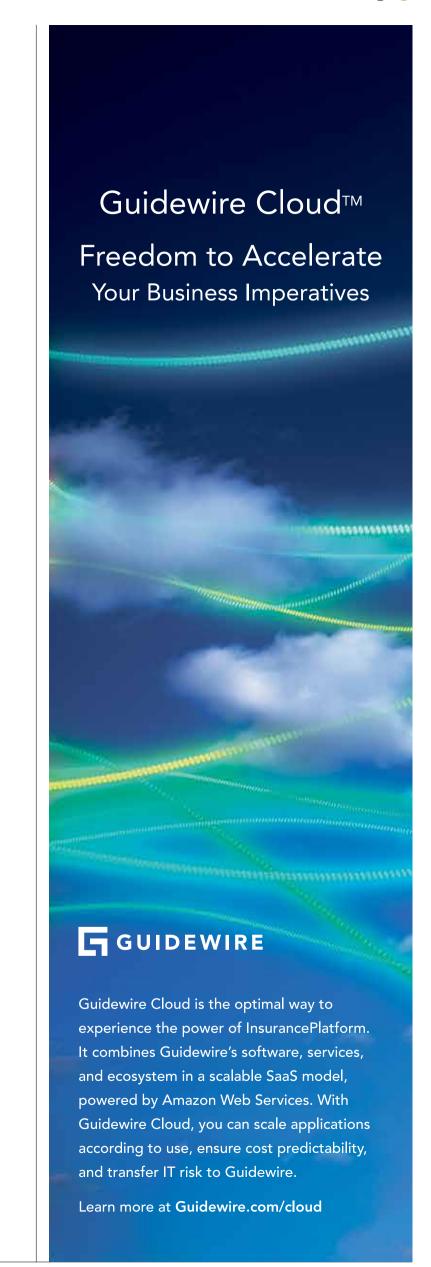
A recent study by Mindtree found 77 per cent of banking and insurance customers across America Europe and Asia say customised promotions encouraged them to buy products and services they have never purchased before. In addition, 68 per cent of companies say more targeted, personalised promotions are the key driver of improved online sales over the past 12 months.

While there are benefits for insurers and customers to embrace personal ised insurance, proxy discrimination will represent an increasingly difficult challenge to the insurance industry, especially as AI and big data will continue to play a greater role. But there are few clear answers on how

A 2019 study by the University of Iowa on proxy discrimination in the age of AI and big data, proposes insurance companies could develop efforts to encourage fairness in pre dictive models, such as developing algorithms that explicitly seek to pinpoint proxy discrimination.

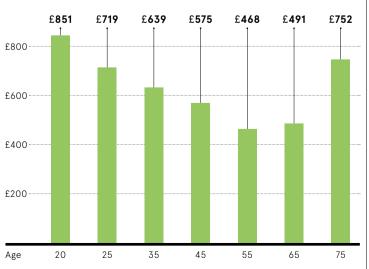
However, the report accepts there are limitations and warns AI armed with big data is still inherently structured to engage in proxy discrimination whenever they're deprived of information, and simply does little to solve the problem.

As insurance companies use increasingly granular and detailed data about each individual person's behaviour to refine their risk assessments, they will need to address the ethical challenges this technology brings to their industry. One thing is clear: to tackle proxy every insurance decision.



PRICING BIAS CAN HYPOTHETICALLY MAKE PREMIUMS

Average car insurance annual premiums in the UK, by age



TRAVEL INSURANCE

Uncertainty prevails as coronavirus rattles travel

The coronavirus outbreak has raised questions in the insurance industry for both travellers and insurers alike

Marianne Curphey

mended and access to some parts of China restricted, individuals and businesses have had to claim on their travel insurance as a result of the coronavirus.

While coronavirus (COVID-19) ravairlines have cancelled flights and travelled to China.

Travel insurance covers medical treatment, repatriation, cancelhas been purchased. If many hundreds of thousands of policyholders have to claim, can the insurance tion and the costs?

Insurance firms are going to be the first in line to feel the pain of any widescale illness or travel disruption, says Michael Weaver, managing director and head of valuation advisory at Duff & Phelps.

"Beyond the impact that coronavirus has had on many lives, insurmost tangible business losses from the outbreak," he says. "Following countless cancelled flights, holidays and events, travel and leisure businesses will quickly begin to feel the effects of disrupted business continuity and will not hesitate to

Insurance expert Andi Dominguez from Quadient believes that the ers over their preferred channel, be travel insurance industry has many that email, SMS or instant message steps to take before it's truly pre- ing," she says. pared for outbreaks like coronavi-

ith business and leisure | outbreaks occur. They also need to rips cancelled, plans use predictive data to process claims more efficiently during and after

"Recent events are likely to have

driven companies to pay more attention to budgets and risk models," Dominguez explains, "Policies ages Hubei province, international | designed to cover widespread epidemic insurance are invaluable, but some governments have restricted | are only worthwhile if insurers are entry from anyone who has recently there for their customers right the way through the process."

Navigating outbreaks of disease can be complex for insurers. lation of trip and treatment while as new risks can emerge from day abroad, but the level of cover varies to day. New updates on disease greatly depending on the policy that | control and prevention are being issued by governments, and centres for disease control are doing their best to provide guidance industry cope with the administra- for healthcare workers and those involved in public health.

> ers to have a system in place that quickly delivers proactive alerts to customers in real time, as soon as new updates occur," she says.

Dominguez believes insurers need to share advice on how to stay safe if the health risk level increases or ance firms are likely to suffer the | if flights, for example, are cancelled | the processes underpinning it have to that country. For customers, information about how to claim for hundreds of years," she says. "This

"To be prepared for outbreaks like coronavirus, insurers shouldn't wait until they are asked about these, but should proactively send the most up-to-date information to custom-

An underlying problem for the with inefficiencies because the rus. She says insurance companies | insurance industry is its historic need to provide customers with a inefficiency, says Ryan Rugg, better understanding of policy cov- global head of industry at blockerage, and what is not included, chain firm R3. While the system longer term and even before may tick along fine in normal hundreds of vears

"This is why it is crucial for insur-

may not be able to cope. "The health insurance industry is plagued with inefficiencies because nained largely unchanged fo reliance on antiquated systems causes major challenges on an

Health insurance is plagued

processes underpinning it have

remained largely unchanged for

sudden and unexpected event, it

when there is

ne Diamond incess cruise sh following a two-

the impact can be catastrophic."

As soon as an outbreak affects a

claim, says Dominguez. While Rugg argues that the speed with which an insurer can process a | Ferguson, vice president of public claim can in turn improve the abilafairs at GBT, says using technology ity of healthcare providers to treat | can help provide a better service in patients and prevent the spread of a

share certain information about is reached, settlements can happen | card transactions."

normal working day, but in the event of an epidemic such as coronavirus,

policyholder's travel plans, insurers should use predictive and historical data to determine the likelihood of future disruption, review the latest information from the authorities and any other factors that could affect the outcome of the

potentially deadly supervirus.

instantaneously across different echnology platforms. "In addition, by moving its trans

ctions onto a shared ledger, a nealth insurer can eliminate fraudulent and duplicate claims by logging each transaction in a decentralised repository. Instantly, the insurance company is able to verify the authenticity of a customer, policy or claim. This is a simple premise, but a huge step forward for fast-tracking claims processing.

Peter Smith, head of strategic partnerships for travel, in Europe, Middle East and Africa, at Cover Genius, which provides insurance for the world's largest ecommerce companies, including travel brands such as Booking.com, says technology is driving change and efficiencies right cross the insurance industry.

"Behind the scenes, a clever use of technology can breed greater efficiencies in areas that traditional insurers heavily resource, such as call centres, where hundreds of people manning the phones is becoming a thing of the past," he says.

American Express Global Business Travel (GBT) manages more than \$35 billion of the world's business travel, supporting close to ten million travellers each vear. Martin difficult situations

"The richer the data, the more "For instance, a hospital can effective the support," he says. "Services can geo-locate travellers its patients with the insurance and communicate with them via company via a blockchain plat- mobile app, and can help pinpoint form," she says. Once a consensus | them via their very recent credit

Protected in 171 seconds: Data-led insurance for new economies

The way we live has changed. Consumers demand speed, flexibility and convenience in all aspects of their lives, from urban mobility to parcel and pizza delivery. So is the commercial insurance sector keeping pace, asks **David Daiches**, co-founder and chief operating officer of INSHUR

insurance industry to reflect upon the societal changes that have been wrought since the turn of the millennium and acceler- tomer expectations. ated through technological advance ments. Is insurance keeping pace with changing demand?

Consider that the smartphone era, Traditional insurance is too rigid and triggered by Apple launching the iPhone, began only 13 years ago. And up a city car for an hour, an Uber that Uber and Airbnb, leaders in the sharing economy, are both under a dozen years old. New businesses and economies are emerging all the time to support how we live as a society.

The reality is technology has changed the way we live. We don't visit the high street in the same numbers, in urban areas car ownership is changing and how we move around is to respond to these emerging econnow full of choice. We expect food. parcels and the like to be delivered quickly to our door, at the swipe of space, and are now extending our a finger or click of a button. These services and new economies may be | further territories. modern, but they still require protection from one of the oldest industries in the world: insurance.

seconds the fastest transaction on the INSHUR platform from quote to purchase

From

total funding raised

the new decade's dawn, | While technology has powered the is constructive for the gig, sharing and new mobility economies, there is a critical need for the insurance industry to adapt, modernise and close the gap on cus

Protection for people parcels and pizza

slow. For example, think of picking or the items delivered by a courie or pizza company. All these require degrees and for the end-user expe rience to be seamless

York in 2017 and the UK in late-2018 we have built a technology platform on which we sell insurance products omies. We have proven our platform within the private hire and ride-share reach into new vertical industries and

INSHUR offers something very dis ferent from traditional insurance experience. Firstly, our platform accessible via a mobile app, so unlike a traditional broker, we are accessi ble 24 hours a day, every day of the year, thereby putting the end-use in control. And rather than spending hours or even days on the phone liais ing with a broker, unravelling reams of documentation, our customers scan their driving licence and private hire licence, and enter their vehicle reg istration number to receive a quote.

Age of the API and alternative data-led insurance

By using APIs (application program ming interfaces) to integrate with our partners, we can securely pull through data during the quoting process, which means the customer needs only answer a handful of questions.

That makes our service much quicker and more convenient for drivers, whose top priority is to be on the road so they can earn money, and we help them do just that. Indeed, one driver was able to get a quote and tial friction when a claim is filed. purchase cover in only 171 seconds.

Not only do these new data inte- Driven by customer invention grations help to make roads safer by We realise that customers are the mmediately notifying our partners | beating heart of what we do; thei if a driver's policy lapses, they also | concerns come first and help drive our

There is a critical need for the insurance industry to adapt, modernise, and close the gap on

provide new and dynamic underwriting actors that can complement pricing decisions. This data transfer is in rea ime, much faster than waiting for a sustomer to tell you they have move ouse, changed vehicle and so on.

customer expectations

Not only do these new data source: significantly improve the custome experience, they also ensure th policy is being priced at a level which safeguards the long-term viability o the insurer. This ultimately protects the customer and reduces any poten

progress. From the outset, we have I engaged with drivers on a one-toone basis every single day, to understand their painpoints better and how we can solve them. We want to get drivers on the road faster, reduce paperwork and provide them with an exceptional customer experience.

INSHUR

It is thanks to customer feedback that in September we launched our new Flex products. The first of its kind in the UK market, Flex allows private hire drivers to pay for their insurance only when they are on the road. Additionally, at the start of this year INSHUR introduced a concierge-style insurance policy for Uber Pro drivers, offering discounts of up to 20 per cent off their premiums.

As the traditional insurance player grapple with modernising their products, at INSHUR we have worked hard to gain the trust of customers, being rated "excellent" on Trustpilot and earning an average of 4.8 stars from more than 3,000 app store reviews. Moreover, around 50 per cent of our growth is attributable to word-of nouth recommendations.

That excellent reputation, and that we are part of their conversations is a powerful indicator our products are meeting a need. The "talkability within our customer base is almost nheard of in the insurance space. after all no one really loves insurance. and will help us make inroads into other markets in the coming months

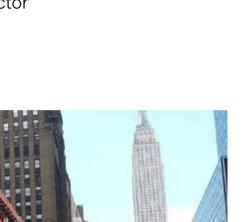
Using our platform approach, con necting with partner APIs and being data ed means we can enter new markets faster. It is clear there are huge opporunities that have been presented by ew economies and a new kind of insur nce protection is required.

At INSHUR we have built a technology platform that works perfectly for he ride-share and private hire mar ther verticals. Our alternative data ources power better underwriting decisions and the speed of cover we Itimately demand.

For more information please visit nshur.com/uk









Insurers feel the heat over investments

Insurers are starting to feel the pressure over climate change, not just as companies pay up when catastrophes hit, but also as the spotlight turns to insurance investment management

Josie Cox

mmediate challenge presented by climate change has been an increasing frequency of extreme weather events, ratcheting up underwriting costs

According to the Association of British Insurers (ABI), the extremely cold weather that hit the UK in early-2018, for example, resulted in insurers paying a record £194 million for burst pipes in just a three-month period.

Thomas Parmentier, European Wealth Management, says the value of insured assets has increased dramatically over the last decade, chiefly due to the "increase in property values and consequently claims for the industry"

scrutiny and arguably highlighting | issued a stark warning to insurers.

r the insurance sector's | a far more systemic and complex crimajor players, the biggest | sis. The value of many of the assets insurers hold could easily be imperilled by an accelerating transition towards a low-carbon economy that shuns fossil fuels and assets contributing to greenhouse gas emissions.

The ABI estimates that UK insur ers alone hold in excess of £1.8 trillion in invested assets. A May 2018 report by the Department for International Trade notes, however, that only around 1.2 per cent of all assets under management in the UK were invested sustainably, compliinsurance analyst at UBS Global ant with good environmental, social and governance (ESG) principles. which means the shock of decarbonisation could be disastrous for those

Last July Moody's, the agency that assigns credit ratings to cor-But insurance investment man- porations which can determine agement is increasingly attracting | their ease of access to funding,

who fail to adapt.

and exposure to carbon-transition risk through their investment portfolios and the possibility of stranded assets," according to Brandan Holmes, senior credit officer at Moody's. In the foreword to an extensive

everity of natural catastrophes

analysis on climate-change risk, pubished by the Bank of Internationa Settlements in January, François Villeroy de Galhau, governor of the Bank of France, issues a similarly austere warning.

"The increase in the frequency and ntensity of extreme weather events could trigger non-linear and irreversible financial losses," he says. In turn, the immediate and system-wide transition required to fight climate change could have far-reaching effects potentially affecting every single agent in the economy and every single asset price."

Though progress towards adaptng to a new ESG-centric world has n many cases been sluggish, there are some insurance companies that are paving the way.

In November 2019, Paris-based multinational insurance firm AXA ommitted to aligning its invest ments with the United Nationsbacked 2015 Paris Agreement and pledged to commit to a 1.5C warmng potential by 2050. The warming otential is defined as the impact XXA's investments may have on clinate, expressed in temperature.

AXA in 2015 became the first of the major investors to divest from the coal industry and it has since committed to a complete coal exit by 2030 in Europe and Organisation for Economic Co-operation and Development countries, and by 2040 for the rest

A significant development forcing insurance investment management to become greener is that the world's largest asset managers' efforts to the responses of some players in decarbonise are gathering pace, set- the UK's financial sector have ting a standard.

executive of bellwether BlackRock. | time to make a genuine, cross-secwhich has approximately \$7 trillion of assets under management. | change," she says. wrote to business leaders stating that they must stamp out unsustainable business practices or risk serious economic repercussions, in | to price and manage risks, and offer addition to irreparable damage to the planet

Fink warned his company would gives rise to greater uncertainty "be increasingly disposed" to cast ers will need, and want, to play an critical proxy votes if organisations

The increase in the frequency and intensity of extreme weather events could trigger non-linear and irreversible

financial losses

of insurers are focusing more on ESG vestments than a year ago

sustainability. In a separate letter to BlackRock's clients, he vowed that by the middle of this year the firm would divest stakes in companies in BlackRock's actively managed portfolios which derive more than 25 per cent of their revenues from thermal coal production.

Martha McPherson, head of green economy and sustainable growth University College London's Purpose, says insurance companies have an obligation to adjust, even if some financial services firms are lagging in their commitments.

"Nobody needs reminding that the climate crisis is urgent, but been glacial. With the UK hosting In January, Larry Fink, chief COP26 in November, now is the tor commitment to tackle climate

As for insurance investment management. McPherson says companies are already aware of their role security to both their policyholders and society more broadly. She concludes: "It is inevitable that insur increasing role in championing a expectations for frequency and were not committing to greater low-carbon economy."

INSURERS' INTEREST IN ESG/IMPACT INVESTMENTS

signalling failure to decarbonise

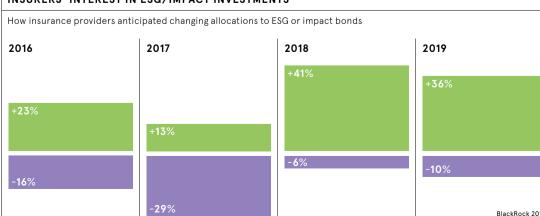
could cause severe damage and, in

some cases, mean insurers fail to

"Climate change in particular

for insurers, both with respect to

meet financial obligations.



'Given the importance of insurance to sustained economic growth, it should be a service that is recognised and

appreciated'

ver the last 20 years, insurers have focused on conthose buying and renewing cover. For most of us, this means our interaction with the insurance profession has shrunk to a few minutes spent online two or three times a year.

However, the impact that insurance has on our lives is far greater than this. Not only do insurers pay out billions of pounds in claims every year, insurance underpins many of the processes that keep society ticking over.

For example, when we are sick at work and our employer pays us an income that goes beyond the statutory minimum, there will often be a group insurance product funding these benefits and, indeed, effective support for rehabilitation may be arranged by the insurer as well.

Similarly, if a chain of distributors goes bust, credit insurance will help suppliers avoid going down with it. As new risks appear, such as cybercrime or new forms of terrorism, insurance helps to mitigate their impact on all those affected.

In a recent report, the World Bank found that over a period of four decades, sustained economic decline was concentrated almost exclusively on countries that had a below-average level of insurance premiums. A thriving insurance profession all but guarantees increasing prosperity for individuals, but an underdeveloped insurance sector turns sustained prosperity into a lottery.

New technology means the insurance profession is now at a crossroads. It can either get closer to its end-customers or retire even more into the background. As the transactional side of insurance becomes slicker and more automated, it may appear even less of a presence in our lives.

Ultimately, it may simply mean that we never take out an insurance con tract or make a claim at all. Brands could simply provide us with guaranteed levels of service and use insurers funding capital in the background.

Instead of having buildings and con tents insurance, for example, we may have a separate contract with a ser vice company to provide cover. This provider will, in turn, use insurance as one of several sources of capital to Chief executive maintain service-level agreements.

Alternatively, insurers could step forward and play a bigger role in venience, especially for managing risks. For example, by creating a service that is designed to coach us towards better behaviours.

In this scenario, traditional financial products will simply be a component in a larger range of services that include information and tools for people to manage their own risks more effectively

In the corporate space, insurers and brokers can choose to be product suppliers, distributing traditional insurance products through increasingly demanding procurement exercises or they can become fully fledged risk managers, helping clients to understand and mitigate their risks themselves.

We already see this approach in areas such as cyber-insurance, where traditional insurance products rarely cover every risk.

Instead, brokers are developing services that help organisations plan for cyberattacks, while insurers are preparing benefits in kind. such as legal and reputational support that can minimise the impact of an attack as soon as it takes place.

Whether insurers step to the forefront of risk management or retreat to the background matters to us all. Services that are hidden tend to be undervalued, but services which make a connection with our day-today lives are cherished and thrive.

Given the importance of insurance to sustained economic growth, it's important it should be a service that is recognised and appreciated. It is in all our best interests if the insurance professional choses to be in the limelight rather than the shadows.



Sian Fisher

Insurance needs to speed up

A turbulent investment environment encourages insurance operators out of cruise control

aditionally, the insurance sector has consisted of large organisations that could take time to analyse the various complexities sitting within their books and spend significant resources on building bespoke modelling tools to understand these complex dynamics.

However, the past two years has witnessed a digital injection, complete with regulatory sandboxes, and a common expectation of innovation to change the industry.

The new norm means that to provide digital guidance to policyholders, organisations have to follow suit themselves.

Ortec Finance, a specialist in ALM (asset-liability management), is looking to leverage its global experience and unique model-based approach to nvestment decision-making to not just facilitate insurance clients' acceleration towards digital, but to accelerate in the right direction.

"Traditionally, insurance clients would have worked with software applications that took days to run and in the past that would have been fine," explains the company's managing director fo Insurance, Marco Hoogendijk

"However, given the uncertainty and opportunities digital insurance brings, together with a continued challenging investment environment, management teams are now demanding their organisations have the ability to respond more quickly to the complex questions they face."

For this to be achieved, they require software solutions that have the ability to engage on a real-time basis more easily, while simultaneously being able to analyse future potential scenarios.

Working primarily with large life insurance companies and pension plans, Ortec Finance boasts a sophisticated toolset that helps to evaluate both current and possible future market conditions via its Economic Scenario Generator, part of its institutional ALM solution which supports and informs the ultimate decisions being made by management

Hoogendijk clarifies: "If you look at what we do in detail, we run a client's balance sheet through 10,000 different economic scenarios for a range of alternative strategies.

"Using the analogy of a flight simulator, we simulate what would happen to the 'plane' on 10,000 different routes, through different economic 'storms'. We then help management understand the implications of each route so they can either take action to avoid upcoming storms or prepare for unavoidable storms and understand which management actions can be taken to ensure the plane is able



client retention rate which speaks to our ability to problemsolve and innovate; and we continuously improve our own service to ensure we can keep mproving theirs

to navigate these challenging envi onments successfully.

Understanding and conveying the mplications of multiple economic andscapes is where Ortec Finance eally adds value, preparing insurance companies on both the asset and liaoility sides for the next, possible major nove in the market.

"We do this via our own private cloud solution we offer to our clients," says Hoogendijk. "Within this HPC (high-performance computing) which means they can report back to management with results in the most desirable timeframe.

To this end, flexibility in the insurance space is also of vital importance so organisations have the leeway, as well as the means, to enact change from front to back, more efficiently. By offering a cloud environment where machine-learning and APIs (application programme interfaces) flourish, wider ecosystem integration is facilitated and flexibility is assured.

"We have a 96 per cent client reter tion rate which speaks to our ability to

continuously improve our own ser vice to ensure we can keep improving theirs," savs Hoogendijk.

RACONTEUR.NET -(3)-19

A new, improved modular approach where insurance companies' different departments can subscribe to techno logical advancements that are specific to their domain, is testament to this philosophy. It also lays the foundations to help combat even bigger industry challenges yet to come

Chiefly, as Hoogendijk says, these bigger challenges include understanding the impact climate change will have on insurance in the future.

"We will see interesting develop ments on both the asset and liabilities side as a result of climate-change implications," he concludes. "This, ir andem with developments being made around big data and machine-learnng, and also the role of alternative data to gauge how private assets are more turnkey and possess the ability provide services from front to back o remain a strong player in the market

nsurance group to provide insights, tools and guidance for this journey, including different climate-change scenarios

For more information please visit



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