

MAY 2022

JUMPERS IN THE HOT WASH

Tim Garratt, Client Director

A swift glance around the playground at the start of a new school term reveals a great deal about both expected growth rates and time horizons. Some children wear jumpers that are brand new but several sizes too large. Others sport older pullovers that fit tightly over rapidly expanding frames. Very few wear uniforms that fit perfectly though. Few parents have quite perfected the trade-off between futureproofing for anticipated growth spurts whilst simultaneously ensuring that their sprogs' jumpers don't look more like dresses.

In many respects, equity multiples are rather like those school jumpers. And in recent months, the market has been badly struggling to fit multiples to stocks, based on their individual growth expectations. It appears to have given up, removed the jumpers, taken them to the cleaners and stuck them on the same wash cycle. And it's a hot wash, so the woollens (a tad pricier upfront in anticipation of longevity) have shrunk the most, while the viscose and polyester have held up a bit better.

But as they're handed back to the school kids, there's now a big disconnect between the new jumper size and the requirements of their occupants.



ALL INVESTMENT STRATEGIES HAVE THE POTENTIAL FOR PROFIT AND LOSS, YOUR OR YOUR CLIENTS' CAPITAL MAY BE AT RISK. THIS PAPER IS FOR PROFESSIONAL AUDIENCES ONLY. IT IS NOT INTENDED FOR USE BY RETAIL CLIENTS.

The table below shows the extent of this disconnect on a backward-looking basis for the stocks in the LTGG portfolio. It's a largely random plot, with little correlation between delivered growth rates and recent share price performance. But if there is a pattern, it's that the faster-growing stocks have fallen more over the last 12 months.

Operational growth disconnected from share price

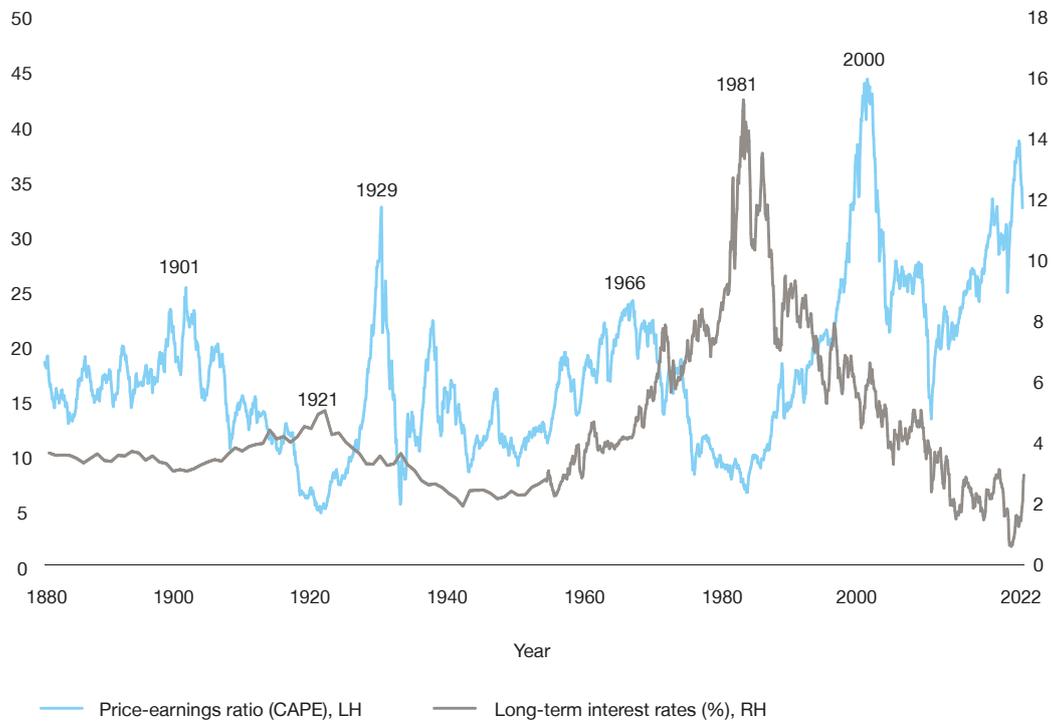
		Sales growth (Year-on-year %)			
		>10%	>20%	>50%	>100%
Share price change (Year-on-year %)	>0%		Hermès International Dexcom Atlassian	Tesla Inc NVIDIA Cloudflare	CATL
	-25%>0%	Workday	The Trade Desk Kering ASML Intuitive Surgical Amazon.com		Moderna BioNTech
	-50%>-25%		Illumina Meta Platforms salesforce Tencent	Adyen	
	<-50%	Netflix Beyond Meat	Peloton Alibaba Spotify Beike	Bilibili Pinduoduo Meituan Shopify Affirm Holdings Zoom Video Communications Coupang	BeiGene NIO SEA Limited Carvana Roblox
	Total	8.3%	47.7%	30.4%	13.6%

Source: Baillie Gifford & Co. Data as at 30 April 2022.

We should be wary of spending too much time ascribing reason to this strange market irrationality. There are many black boxes and algorithms at work. But the most logical explanation is that faced with emergent inflation, the stock market is trying to process the imperative to discount future cash flows at a higher rate. Conventional wisdom dictates that the multiples applied to future earnings streams should compress in a more inflationary environment, so the market is grappling with the right 'new normal' multiple to attach to equities.

Based on a dataset spanning around 140 years of stock market history, students of CAPE (the Cyclically Adjusted Price to Earnings multiple) will point to a long-run average of just over 21x earnings. They'll also flag that when long-term interest rates have notched up to the high single digits, the market multiple has commonly fallen to the low teens – and during a couple of exceptional periods (including 1981 when rates rose to almost 16 per cent), down into single digits.

Price-earnings ratio versus long-term interest rates



Source: Robert J. Shiller, U.S. Stock Markets 1871-Present and CAPE Ratio, <http://www.econ.yale.edu/~shiller/data.htm>

Given the highly uncertain macroeconomic backdrop, there is a very wide range of market narratives on where the stock market might settle. But we’re spending little time on this question. This is partly because we have little to add by lobbing our guess into the mix. But it is also because we don’t think that the ultimate market multiple will have a huge bearing on our ability to generate strong returns for our clients.

We hold this view because the remarkable arithmetic of compound growth, the eighth wonder of the world, means that there’s scope for great upside in structural growth stocks, even if Mr Market settles on a very low multiple for them. In other words, the quantum and the duration of operational growth are more than capable of swamping multiple compression.

THE EIGHTH WONDER IN ACTION

This phenomenon can play out quite powerfully even for modest growers.

Between December '98 and September '12 (a period that straddles the dot com boom and bust), the ratings of both IBM and Intel halved (from 30x earnings to 15x earnings, and from 18x earnings to 9x earnings respectively). And yet the share prices of both companies more than doubled as the engine room of strong operational growth won out over the multiple compression. In school playground parlance, both companies' respective jumpers went to the hot wash but were then stretched outwards by the growth-y forms within.

And for companies that are operationally growing their earnings and cashflows five times, 10 times or 20 times faster than the speed at which the discount rate rises, this phenomenon is even more pronounced. Amazon's price-earnings multiple (so carefully scrutinised by so many sceptics from the outset) has fallen fourfold over the past five years, but investors have still doubled their money as earnings have exploded. The same applies to a host of other companies – from Meta to Tencent to Kering – where in each case, the multiple has more than halved but investors have posted positive returns over the same period.

Looking ahead, there will be many similar instances because we're in the very early stages of some deep transitions in our healthcare, transport and energy infrastructure, in our social habits, and in the ways that we shop, eat and work. Distinctive new and relatively immature companies are gaining traction. If their earnings streams have the longevity that we expect, there will be ample scope for making a great deal of money, even if they derate materially.

It's interesting to explore this dynamic in more detail following a period where many growth stocks have been taken to the metaphorical cleaners. We have no special insight into when the rinse cycle will end. But end it will. And as we reflect on valuations at the current juncture, a range of attractive long-term inefficiencies are on offer. Let's home in on three examples of current market dysfunction.

THREE ALLURING INEFFICIENCIES

1. Illusory cliff edges

The first dislocation affects stocks such as Moderna and BioNTech. Both companies trade on low single-digit multiples of their current earnings streams despite some of the most eye-watering levels of growth¹ that we have ever seen. This is truly hard to fathom but the most plausible explanation is an assumption on the part of the market that the Covid-19 vaccine revenue streams will fall off a cliff edge for both companies in due course, with nothing to take up the slack afterwards. To our minds, this reveals a profound market misunderstanding – and an exciting inefficiency.

There is plenty of evidence that both businesses have a strong (and increasing) chance of growing at very high rates for a very long time due to the modular nature of their platforms. Both companies are in rude financial health. Moderna has signed advance purchase agreements of \$21bn; is throwing off c.\$12bn per annum and carries \$20bn on its balance sheet. These strong coffers provide the launchpad for the opportunities that excite us. Moderna talks of building a ‘vaccine app store’ for all manner of diseases – from respiratory conditions to cancer to malaria. The vision of CEO Stéphane Bancel is that, following a blood test at their local doctor, a patient returns a week later to pick up a vaccine that is tailored to their unique epigenome.

BioNTech enjoys broadly similar financial characteristics but is looking to disrupt traditional pharmaceutical supply chains in a slightly different way. The aim is to remove the local factors that govern where vaccines can be produced, with a modular shipping container facility that can be installed and run anywhere in the world. Updates to the production method or tweaks to the recipe of the vaccine itself could be transmitted digitally to any containers in the network. BioNTech is in discussions with South Africa, Rwanda, and Senegal to have containers arriving by the end of 2022. Each set of 12 containers will need four or five operators and be capable of producing some 40–60 million doses every year. The production system could be used to make other vaccines and drugs, for example, against malaria or tuberculosis.

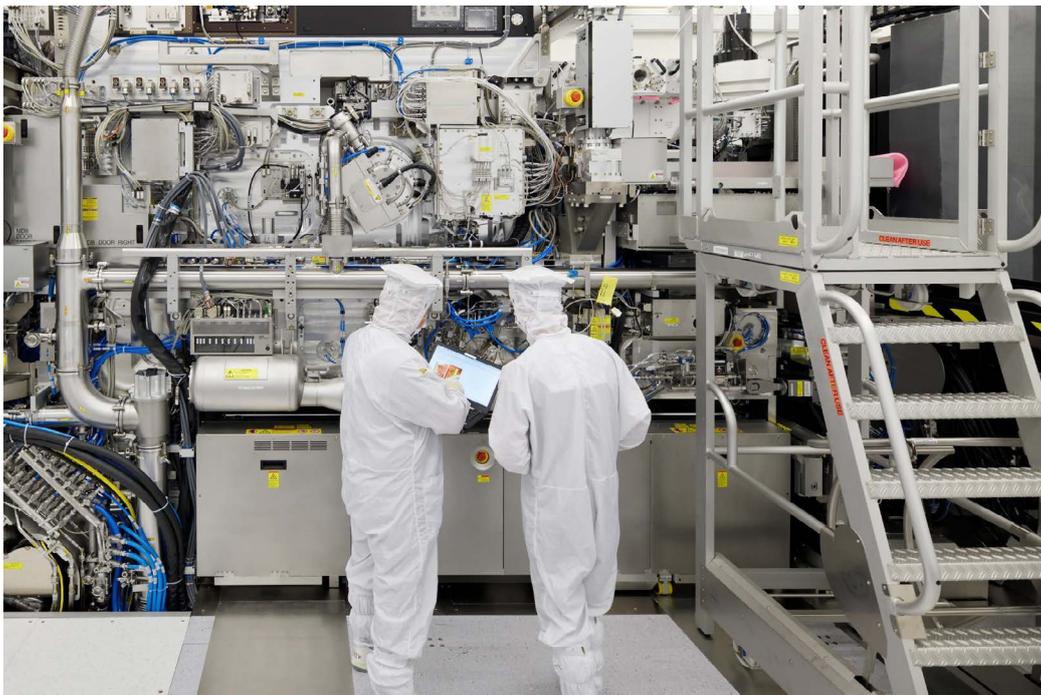
These transformational opportunities are passing the market by completely at present. A reversion to some fictitious ‘pre-pandemic mean’ is expected, reinforcing just how little the stock market understands the massive shakeout to healthcare systems in the coming years. Remarkably, the big pharmaceutical companies command multiples three times higher despite the cataclysmic threats to their wasteful business models.

¹39x year-over-year for BioNTech and 23x year-over-year for Moderna

2. Long-duration infrastructure

The next inefficiency relates to the companies that are collectively installing the infrastructure for the next decade. Let's take a trio of slightly different examples in ASML, CATL and Adyen. Each of these companies is, in its unique way, in the process of laying crucial foundations for our economy. ASML's Extreme Ultraviolet (EUV) machines are of systemic and unparalleled importance to the future of chip design. ASML has over a year's worth of backorders. Any escalation of tensions in Taiwan would be likely to further cement the company's advantage given its foundational importance to semiconductor supply chains. CATL meanwhile, is solving the world's most pressing problems in energy storage and resource intensity with its advances in battery technology. Adyen is a younger company, but again, operationally blossoming as it develops the essential plumbing for the global currency transfer market.

All three of these companies (two Dutch and one Chinese) help to remove costs for their customers. They provide essential products and services. And on that basis, it seems perfectly reasonable to expect their growth rates to hold up well over the next decade.



ASML's Extreme Ultraviolet machines are key to the future of chip design.

Now, we'd be the first to acknowledge that the road ahead is unlikely to be entirely smooth. CATL, for example, has just been hit by the double whammy of the 'uninvestable China' narrative and a transient growth air pocket of lockdown-related supply chain issues. But even if we assume that their growth rate falls by three quarters, and we throw in some additional EPS dilution, the company ends up on a single-digit multiple of earnings in a decade from now. In a similar vein, ASML and Adyen's growth rates could more than halve from current levels with the same valuation outcome.

This exciting dynamic illustrates the great scope to make an awful lot of money from today's starting valuations over the next decade, even if their multiples shrink from here.

The margin of upside for such holdings has rarely looked more exciting – a function of the market being so preoccupied with the immediate issues that it is completely missing the length of its respective runways for growth.

3. What if? versus What is?

Let's now turn to another current valuation anomaly. It has arisen because the market is suffering from extreme ambiguity aversion and attempting to chase quantifiable calculable near-term returns rather than possible outlier scenarios – an acute case of the Ellsberg Paradox².

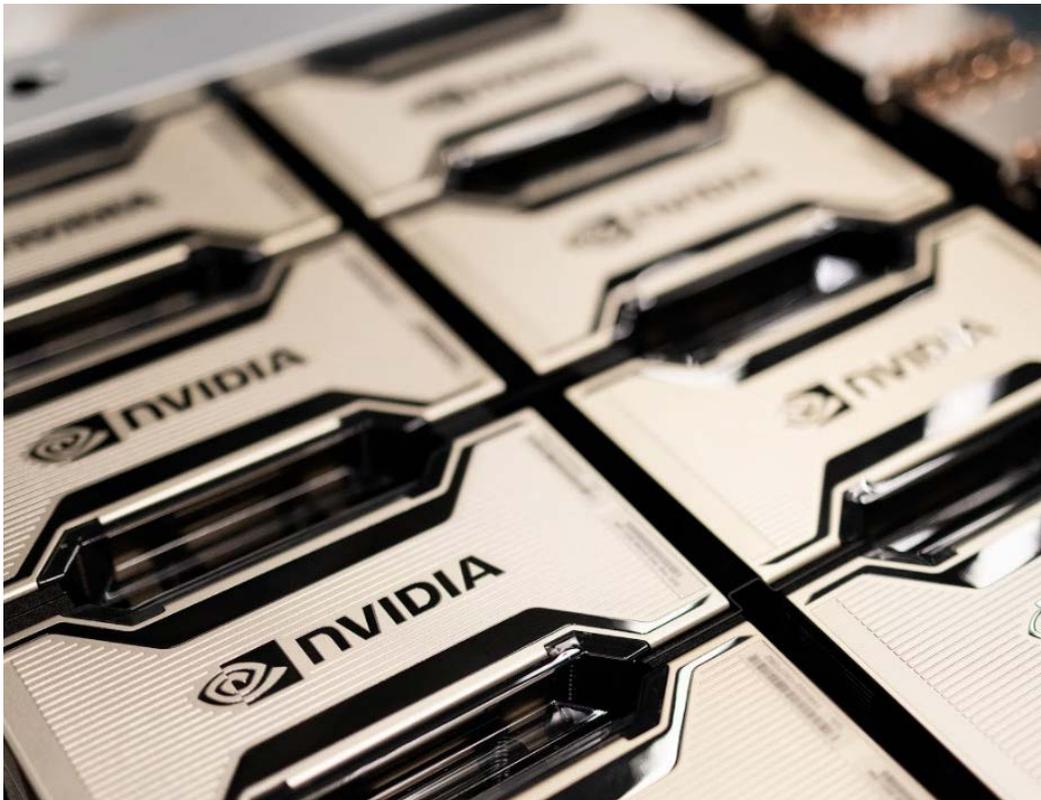
This presents a wonderful opportunity for the investors that are prepared to shift from the 'what is' to the 'what if' because currently, little or no value is being ascribed to the potential fruits of experimentation or unique cultures – to growth that could be radial rather than linear.

NVIDIA, the interactive graphics chip company is a case in point. It is priced on the basis that the current revenue streams (largely based on gaming and data centre optimisation) will gradually saturate. But NVIDIA's capabilities underpin computational drug design, climate change simulation, speech recognition, automotive control systems, industrial automation, and computer vision. These are inestimably massive markets in which NVIDIA is developing a systemically crucial role. In our eyes, it's perfectly plausible that NVIDIA's strong growth rate will be sustained, via radial growth from the core, for many years to come.

²Ellsberg paradox – [Wikipedia](#)

So, once again, it doesn't really matter whether the stock market ends up trading on 15 times earnings, 10 times earnings, or even less than that – because in any of these scenarios there remains abundant potential to make a great deal of money. NVIDIA's growth rate always bobbles around wildly from one quarter to the next but to put things into context, if the company's structural growth rate more than halves to, say 20 per cent pa, the company still ends up trading on a mid-single digit multiple of its earnings in 2032. So once again, there's an abundance of headroom.

When investors look back in a decade, they might well be surprised to observe that back in 2022, NVIDIA's market cap was less than a third of Apple and that the latter featured in many value portfolios. The benefit of hindsight might also reveal that the greatest risk in retrospect was a failure of imagination – an inability to imagine the scale and longevity of the earnings streams on offer to exceptionally adaptable companies.

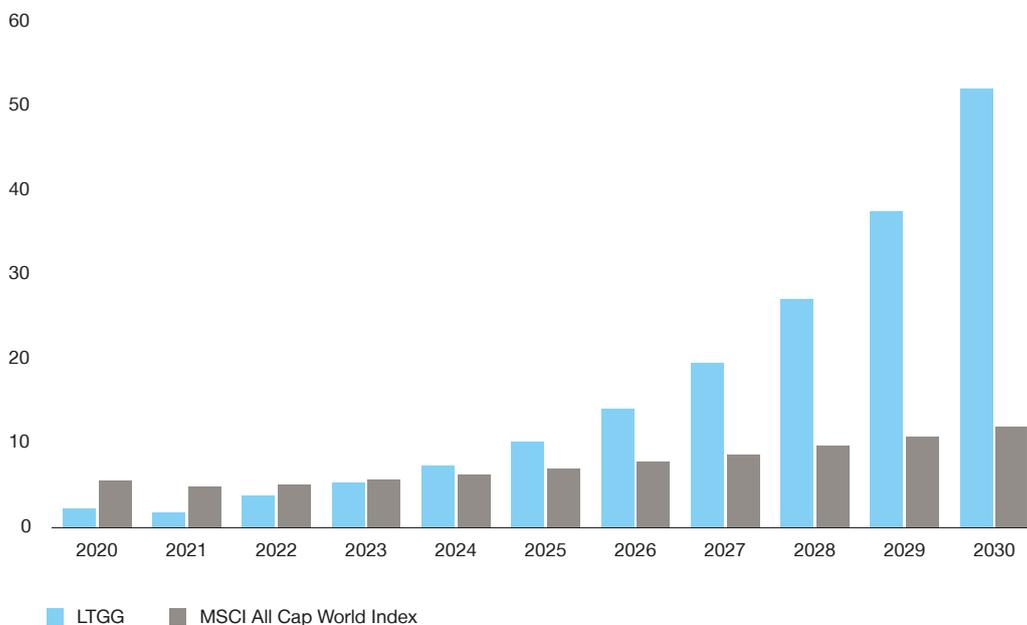


SOME OVERARCHING PORTFOLIO OBSERVATIONS

Stepping back from the stock specifics (and in the interests of demonstrating that we’re not cherry-picking), it is worth making some broader portfolio observations. Since all but five companies in the LTGG portfolio are cash generative, we can do this by looking at how the free cash flow yield is likely to progress when compared with the index³.

In recent years, the average rate of free cash flow (FCF) growth for the LTGG portfolio has been just shy of 40 per cent vs just over 10 per cent for the index⁴. If this trend continued in the absence of share price increases, the FCF flow yield of LTGG would very quickly catch up and overtake that of the index. The chart below illustrates the speed with which this unsustainable divergence would open up. An upwards valuation increase for LTGG would be the only way of closing the gap.

Free cash flow yield if historic FCF growth rates continue

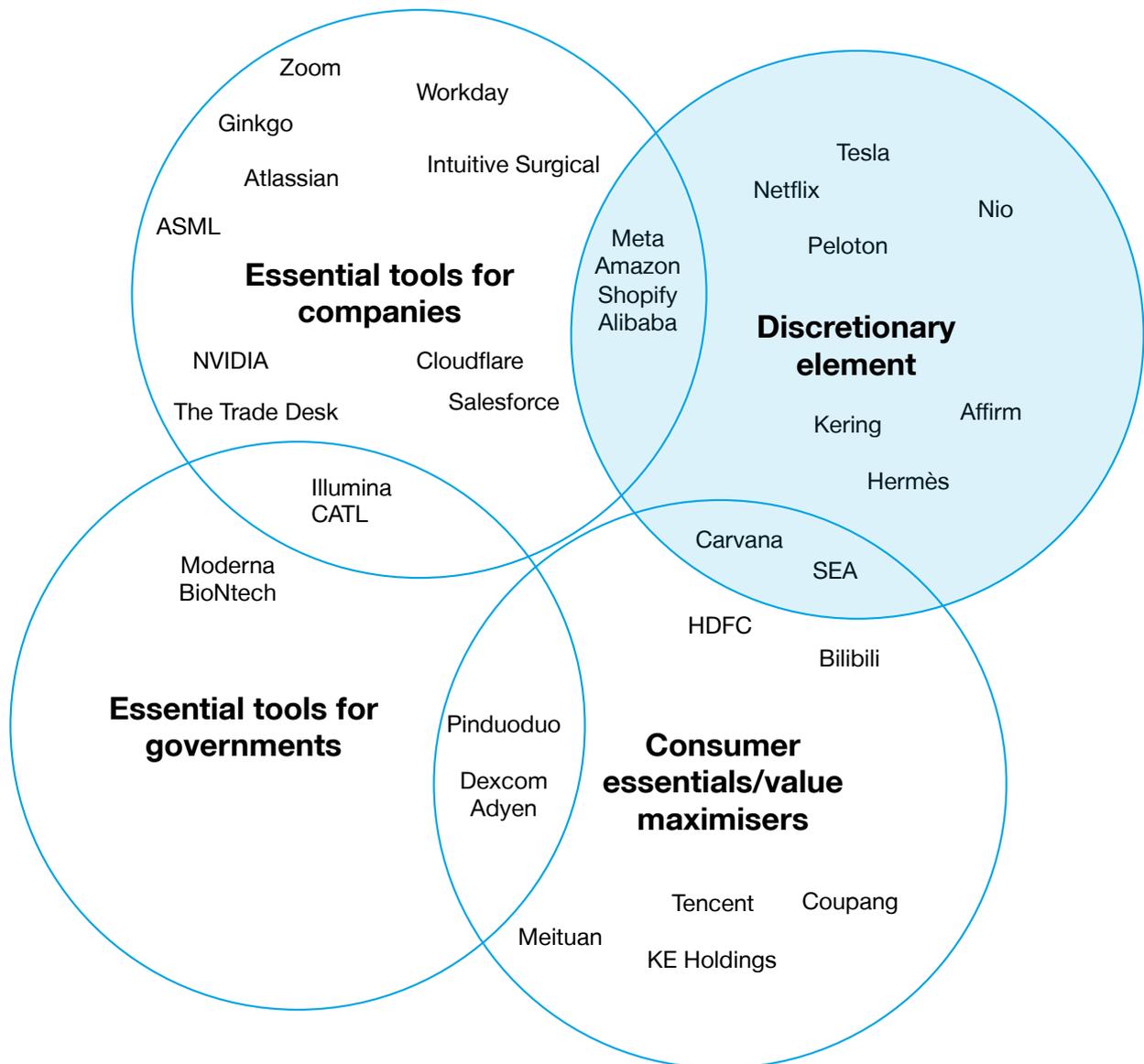


Source: Baillie Gifford & Co and underlying index provider. Based on a representative portfolio.

This may be compelling, but is this realistic? The world has changed. Won’t historic cash flow growth slow? In the long term, it seems reasonable to suggest that cash flow growth can be sustained for a couple of reasons. First, the companies in the portfolio are, in aggregate, very well capitalised. Three quarters of the portfolio sit on net cash (vs a paltry 30 per cent for the indebted index).

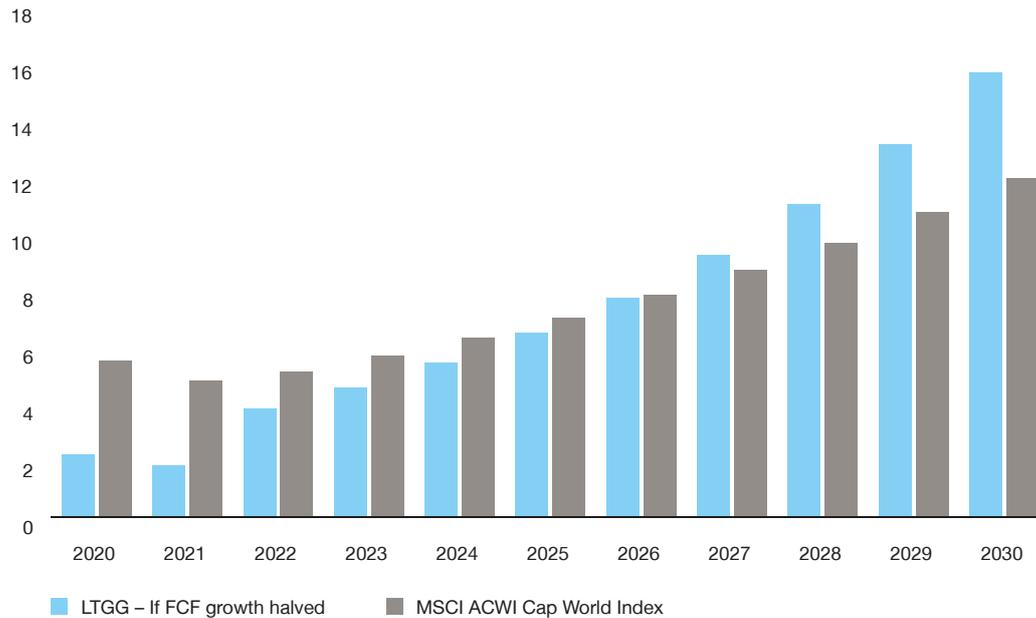
³Why use FCF yield rather than Earnings? Because it is less prone to manipulation by index incumbents – who are inclined to juice their earnings by both cutting back on capital expenditure and research and development. $(\text{CapEx} + \text{R\&D}) / (\text{Buybacks} + \text{Dividends}) = 3.9$ for the LTGG portfolio vs 1.6 for the index
⁴Five-year Actual FCF growth for LTGG: 38.7 per cent pa and for the benchmark: 11.2 per cent pa

Second, any cyclical hit to the companies in the blue circle below can be broadly offset by the pricing power of the companies in the white ones.



But to test the scope for upside, let's be super conservative by assuming that LTGG's FCF growth halves (even though all evidence points to it holding up well). Then, let's give the index a dollop of charitable sanguinity by assuming that its historic FCF growth holds up fine. Then what's the picture?

Free cash flow yield if growth halves for LTGG and miraculously holds up for the index



Source: Baillie Gifford & Co and underlying index provider. Based on a representative portfolio.

Even in that gloomy scenario, the LTGG portfolio looks cheaper than the index on a five-year view. So all the evidence points to the scope for our clients to make a great deal of money from this starting point.

SOME COMMENTS ON THE INDEX

Having given LTGG a bit of a stress test, it's time to point out that we think we're being a bit too charitable to the index here. Capitalism is finally acknowledging that the corporate world is not separate from the natural environment, but part of it. As a result, at some point within the next decade, companies are highly likely to be forced (either by regulation, consumer behaviours or a combination of the two) to account for their external costs properly. Corporate earnings streams will see a radical adjustment and approaches to valuations will need to respond.

This is problematic for the index on account of its carbon intensity – and particularly so for some of the traditional energy index constituents that have held up the best of late in share price terms. As a case in point, let's take ExxonMobil. The current multiple of 15 times earnings looks compelling at first glance, but that's before we consider that ExxonMobil emits around 650 million tonnes of carbon per annum. At some point in the near future, those emissions look set to be priced properly. \$100 per tonne looks likely on a 10-year view but even \$50 per tonne of carbon would see the company taking a \$20bn hit to earnings. Suddenly then, it's sitting on 70x earnings and looks a lot less cheap. And that's before we factor in scope 3, which accounts for the consumption of oil by customers and represents 90 per cent of emissions for most oil companies. Surely ExxonMobil could pass some of these incremental costs? Perhaps in the short term, they could, but that would surely hasten the long-term demand destruction. Suddenly then, the index looks a little less cheap and safe than presumed by a market which is currently unable to see beyond the fog of the moment.

CONCLUSION

Sponge wringers versus future proofers

Amid the current market melee, it's all too easy to fall into a couple of traps.

The first is a failure of imagination. By focusing entirely on the immediate, the market has lost any ability to price future prospects. Yawning, once in a generation, valuation anomalies are emerging.

The second is a failure to properly distinguish between price and value. The traditional growth and value boxes have a lot to answer for here and they look increasingly limited. But what might the alternative boxes be for an investment consultant or asset allocator going back to first principles?

One suggestion would be to make a distinction between the 'sponge wringers' and the 'future proofers.'

If you believe in a linear continuation of the current world, and stasis, then there's a rational argument for buying shares in the companies in the former category – those that are run with a 20th-century shareholder value mindset. The sponge wringing investors may well be able to extract some last drops of value from legacy incumbents in industries such as oil, utilities, pharmaceuticals, and banks. But their school jumpers will fit them for many years to come, and in time may end up being too big for their shrivelling frames.

If you believe that the world is going to progressively change – technologically, geopolitically, societally, economically – and you want to be a part of that world, then you need to back the future proofers. Seeking out adaptable companies with long term, 21st-century mindsets requires comfort with uncertainty, a high level of humility and a search for different perspectives. The jumpers of the future proofers will have stretched the most in a few years from now.

PAST PERFORMANCE

Annual Past Performance to 31 March Each Year (Net %)

	2018	2019	2020	2021	2022
Long Term Global Growth Composite	40.7	8.4	10.7	104.4	-18.1
MSCI ACWI	15.4	3.2	-10.8	55.3	7.7

Annualised returns to 31 March 2022 (Net %)

	1 Year	5 Years	10 Years	Since Inception
Long Term Global Growth Composite	-18.1	23.1	18.0	13.3
MSCI ACWI	7.7	12.2	10.6	8.4

Source: Baillie Gifford & Co. USD.

Past performance is not a guide to future results. Changes in the investment strategies, contributions or withdrawals may materially alter the performance and results of the portfolio. All investment strategies have the potential for profit and loss.

MSCI

Source: MSCI. The MSCI information may only be used for your internal use, may not be reproduced or disseminated in any form and may not be used as a basis for or a component of any financial instruments or products or indices. None of the MSCI information is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Historical data and analysis should not be taken as an indication or guarantee of any future performance analysis, forecast or prediction. The MSCI information is provided on an “as is” basis and the user of this information assumes the entire risk of any use made of this information. MSCI, each of its affiliates and each other person involved in or related to compiling, computing or creating any MSCI information (collectively, the “MSCI Parties”) expressly disclaims all warranties (including, without limitation, any warranties of originality, accuracy, completeness, timeliness, non-infringement, merchantability and fitness for a particular purpose) with respect to this information. Without limiting any of the foregoing, in no event shall any MSCI Party have any liability for any direct, indirect, special, incidental, punitive, consequential (including, without limitation, lost profits) or any other damages.

(www.msci.com)

RISK FACTORS AND IMPORTANT INFORMATION

The views expressed should not be considered as advice or a recommendation to buy, sell or hold a particular investment. They reflect opinion and should not be taken as statements of fact nor should any reliance be placed on them when making investment decisions.

This communication was produced and approved in May 2022 and has not been updated subsequently. It represents views held at the time of writing and may not reflect current thinking.

Potential for Profit and Loss

All investment strategies have the potential for profit and loss, your or your clients' capital may be at risk. Past performance is not a guide to future returns.

This communication contains information on investments which does not constitute independent research. Accordingly, it is not subject to the protections afforded to independent research, but is classified as advertising under Art 68 of the Financial Services Act ('FinSA') and Baillie Gifford and its staff may have dealt in the investments concerned.

All information is sourced from Baillie Gifford & Co and is current unless otherwise stated.

The images used in this communication are for illustrative purposes only.

Important Information

Baillie Gifford & Co and Baillie Gifford & Co Limited are authorised and regulated by the Financial Conduct Authority (FCA). Baillie Gifford & Co Limited is an Authorised Corporate Director of OEICs.

Baillie Gifford Overseas Limited provides investment management and advisory services to non-UK Professional/Institutional clients only. Baillie Gifford Overseas Limited is wholly owned by Baillie Gifford & Co. Baillie Gifford & Co and Baillie Gifford Overseas Limited are authorised and regulated by the FCA in the UK.

Persons resident or domiciled outside the UK should consult with their professional advisers as to whether they require any governmental or other consents in order to enable them to invest, and with their tax advisers for advice relevant to their own particular circumstances.

Financial Intermediaries

This communication is suitable for use of financial intermediaries. Financial intermediaries are solely responsible for any further distribution and Baillie Gifford takes no responsibility for the reliance on this document by any other person who did not receive this document directly from Baillie Gifford.

Europe

Baillie Gifford Investment Management (Europe) Limited provides investment management and advisory services to European (excluding UK) clients. It was incorporated in Ireland in May 2018. Baillie Gifford Investment Management (Europe) Limited is authorised by the Central Bank of Ireland as an AIFM under the AIFM Regulations and as a UCITS management company under the UCITS Regulation. Baillie Gifford Investment Management (Europe) Limited is also authorised in accordance with Regulation 7 of the AIFM Regulations, to provide management of portfolios of investments, including Individual Portfolio Management ('IPM') and Non-Core Services. Baillie Gifford Investment Management (Europe) Limited has been appointed as UCITS management company to the following UCITS umbrella company; Baillie Gifford Worldwide Funds plc. Through passporting it has established Baillie Gifford Investment Management (Europe) Limited (Frankfurt Branch) to market its investment management and advisory services and distribute Baillie Gifford Worldwide Funds plc in Germany. Similarly, it has established Baillie Gifford Investment Management (Europe) Limited (Amsterdam Branch) to market its investment management and advisory services and distribute Baillie Gifford Worldwide Funds plc in The Netherlands. Baillie Gifford Investment Management (Europe) Limited also has a representative office in Zurich, Switzerland pursuant to Art. 58 of the Federal Act on Financial Institutions ('FinIA'). The representative office is authorised by the Swiss Financial Market Supervisory Authority (FINMA). The representative office does not constitute a branch and therefore does not have authority to commit Baillie Gifford Investment Management (Europe) Limited. Baillie Gifford Investment Management (Europe) Limited is a wholly owned subsidiary of Baillie Gifford Overseas Limited, which is wholly owned by Baillie Gifford & Co. Baillie Gifford Overseas Limited and Baillie Gifford & Co are authorised and regulated in the UK by the Financial Conduct Authority.

Hong Kong

Baillie Gifford Asia (Hong Kong) Limited 柏基亞洲(香港)有限公司 is wholly owned by Baillie Gifford Overseas Limited and holds a Type 1 and a Type 2 license from the Securities & Futures Commission of Hong Kong to market and distribute Baillie Gifford's range of collective investment schemes to professional investors in Hong Kong. Baillie Gifford Asia (Hong Kong) Limited 柏基亞洲(香港)有限公司 can be contacted at Suites 2713-2715, Two International Finance Centre, 8 Finance Street, Central, Hong Kong. Telephone +852 3756 5700.

South Korea

Baillie Gifford Overseas Limited is licensed with the Financial Services Commission in South Korea as a cross border Discretionary Investment Manager and Non-discretionary Investment Adviser.

Japan

Mitsubishi UFJ Baillie Gifford Asset Management Limited ('MUBGAM') is a joint venture company between Mitsubishi UFJ Trust & Banking Corporation and Baillie Gifford Overseas Limited. MUBGAM is authorised and regulated by the Financial Conduct Authority.

Australia

Baillie Gifford Overseas Limited (ARBN 118 567 178) is registered as a foreign company under the Corporations Act 2001 (Cth) and holds Foreign Australian Financial Services Licence No 528911. This material is provided to you on the basis that you are a 'wholesale client' within the meaning of section 761G of the Corporations Act 2001 (Cth) ('Corporations Act'). Please advise Baillie Gifford Overseas Limited immediately if you are not a wholesale client. In no circumstances may this material be made available to a "retail client" within the meaning of section 761G of the Corporations Act.

This material contains general information only. It does not take into account any person's objectives, financial situation or needs.

South Africa

Baillie Gifford Overseas Limited is registered as a Foreign Financial Services Provider with the Financial Sector Conduct Authority in South Africa.

North America

Baillie Gifford International LLC is wholly owned by Baillie Gifford Overseas Limited; it was formed in Delaware in 2005 and is registered with the SEC. It is the legal entity through which Baillie Gifford Overseas Limited provides client service and marketing functions in North America. Baillie Gifford Overseas Limited is registered with the SEC in the United States of America.

The Manager is not resident in Canada, its head office and principal place of business is in Edinburgh, Scotland. Baillie Gifford Overseas Limited is regulated in Canada as a portfolio manager and exempt market dealer with the Ontario Securities Commission ('OSC'). Its portfolio manager licence is currently passported into Alberta, Quebec, Saskatchewan, Manitoba and Newfoundland & Labrador whereas the exempt market dealer licence is passported across all Canadian provinces and territories. Baillie Gifford International LLC is regulated by the OSC as an exempt market and its licence is passported across all Canadian provinces and territories. Baillie Gifford Investment Management (Europe) Limited ('BGE') relies on the International Investment Fund Manager Exemption in the provinces of Ontario and Quebec.

Israel

Baillie Gifford Overseas is not licensed under Israel's Regulation of Investment Advising, Investment Marketing and Portfolio Management Law, 5755-1995 (the Advice Law) and does not carry insurance pursuant to the Advice Law. This material is only intended for those categories of Israeli residents who are qualified clients listed on the First Addendum to the Advice Law.

AUTHOR



Tim Garratt
Client Director

Tim joined Baillie Gifford in 2007 and is a Client Director, overseeing the institutional client base that invests in Long Term Global Growth, one of Baillie Gifford's most concentrated Equity strategies with a focus on transformational payoffs.

Tim has been heavily involved with the development of Baillie Gifford's Shanghai office over the last few years and he also has a keen interest in helping to further raise Baillie Gifford's role in responding to the climate crisis.

Tim became a Partner of the firm in 2016. Prior to joining Baillie Gifford, Tim joined Arthur Anderson in 2000 before moving to AT Kearney where he managed a number of private equity projects. Tim graduated MEng in Aeronautical Engineering from the University of Bristol in 1999.

