

# Research Report

# AB

## Mercer Assessment

Strategy	<b>AB Concentrated Global Growth</b>
Category	<b>International Equity, Global Equity - Core All Countries</b>
Date	<b>July 2022</b>

Idea Generation	<div><div></div><div></div><div></div><div></div></div>	
Portfolio Construction	<div><div></div><div></div><div></div><div></div></div>	
Implementation	<div><div></div><div></div><div></div><div></div></div>	
Business Management	<div><div></div><div></div><div></div><div></div></div>	
Rating	A (T)(W)	ESG2

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## Overall Assessment

The appeal of this strategy rests on the clear philosophy, the well-structured and disciplined process, and the leadership provided by Mark Phelps and Dev Chakrabarti. Phelps demonstrates a passion for understanding companies and Chakrabarti brings a clinical clarity of focus to generating ideas globally. The small, dedicated regional teams provide strong support, showing a similarly high level of passion and commitment to their approach and displaying a collegiate culture. The cohesive team maintain their independence of investment approach within AB, although their collaboration spills over to other teams as they seek to challenge themselves with the best practices of others at the firm. As such, we believe the transaction that brought the team into AB in 2013 has been additive to the potential success for the strategy. Overall, with a clear philosophy and a robust process, a passionate and committed team, and strong support from their parent, we believe this strategy merits our highest conviction rating.

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# Strategy Summary

Summary facts and figures	
Firm-wide assets	<b>US\$779 billion as at 31 Dec 2021</b>
Inception year	<b>2005</b>
Assets in strategy	<b>US\$6.5 billion as at 31 Mar 2022</b>
Estimated capacity	<b>US\$10 billion</b>
Open/closed	<b>Open to All Investors</b>
Most suitable benchmark	<b>MSCI All Country World</b>
Outperformance target range (% pa)	<b>There is no explicit performance objective for the Strategy.</b>
Expected tracking error range (% pa)	<b>Typical range of 3% to 7%.</b>
Vehicle type	<b>Segregated</b>
Indicative fee (% pa)*	<b>0.83% on \$100m</b>
Universe median fee (% pa)*	<b>0.65% on \$100m</b>
Persistent factor exposure**	<b>Profitability/Quality</b>

\*In practice fees may be negotiable.

\*\*Persistent factor exposure is relative to an All Cap Core benchmark.

## Strategy Overview

AB Concentrated Global Growth's portfolio of approximately 30 stocks is built from regional universes of sustainable growth companies where in-depth, bottom-up research has been conducted. Strict adherence to a valuation discipline determines the holdings at any one point in time.

## Firm Background and History

AB (formerly AllianceBernstein) is a majority-owned indirect subsidiary of Equitable Holdings, Inc (EQH). EQH has an approximate 65% economic interest in AB's business. The remaining interest is owned by the public and employees. In October 2000, Alliance Capital, as the firm was then known, purchased Sanford C. Bernstein Inc. (Bernstein), a well-known value equity manager and investment research firm headquartered in New York. The Bernstein equity team was incorporated within Alliance Capital, but kept separate from Alliance Capital's growth equity team. On the fixed income side, the Bernstein team was merged into the much larger Alliance Capital team. In February 2006, Alliance Capital changed its name to AllianceBernstein and in 2015 rebranded as AB. The firm is headquartered in Nashville, Tennessee and has significant investment offices in New York, London, Tokyo, Hong Kong and Sydney. Over the years, AB has acquired other boutique asset managers, including WP Stewart Asset Management and CPH Capital.

## Product History

The strategy was launched in 2004 at WP Stewart under the management of Bill Stewart and Alex Farman-Farmaian. Mark Phelps took over leadership of the strategy when he joined WP Stewart in 2005. On his retirement in 2022, Dev Chakrabarti takes over portfolio management responsibilities. Having worked with Phelps for over 15 years, Chakrabarti continues to follow the strategy's established approach to investing.

## Key Decision Makers

The strategy is managed by Mark Phelps and Dev Chakrabarti. Phelps joined AB through its acquisition of WP Stewart in 2013 and is based in London. Previously, Phelps was President and CEO of WP Stewart, which he joined in 2005.

Phelps has held senior positions with Dresdner Bank in both London and San Francisco, holding the role of CIO for global equities at Dresdner RCM in San Francisco. Phelps will retire at the end of 2022, at which point Dev Chakrabarti will take on sole portfolio management responsibilities.

Chakrabarti joined WP Stewart in 2005, and, earlier in his career, worked as an M&A analyst at Merrill Lynch, a financial analyst at Unilever and an equity analyst at JP Morgan Securities. He has managed the International strategy since 2009 and was appointed co-CIO for the Concentrated Growth suite of products in 2019.

The portfolio managers are further supported by regional teams in the US (6), Asia (4) and Europe (3 in addition to Chakrabarti and Phelps).

### **Investment Style/Philosophy**

The team believes that long-term, consistent earnings growth drives long-term investment returns. They look to invest in high quality, growing companies producing superior and sustainable returns over the long term whilst minimizing risk.

### **Investment Process**

The initial universe of approximately 2,500 stocks is screened on market capitalization (in excess of \$2bn) and earnings growth (greater than 10%). In addition, companies are excluded if they have exhibited low ROE, low growth, high debt ratios, and are commoditized businesses. This reduces the opportunity set to approximately 250. Additional sources of ideas include broker analysts, which the regional teams keep close to. The focus is on finding companies with superior businesses, consistent positive earnings, a high degree of predictability and industry leadership, reducing the universe further to approximately 100 stocks.

Each analyst covers around 8 or 9 stocks. Their research includes building a detailed model of explicit 5-year projections of earnings. The

terminal value in year five is a P/E ratio based on the subjective assessment of whether a stock should trade at a premium or discount to the market P/E. With these inputs, earnings are then discounted back to a present value. The discount rate used makes an assumption for the risk-free rate and adds an equity risk premium dependent on the risk classification "bucket" of a stock (in Asia, this will be more stock specific as well as considering country and currency risks).

Stocks are debated throughout the process, and finally for inclusion in the universe. The universe is regularly monitored and ranked according to expected upside based on the current price compared to the estimate of fair value. This highlights stocks with potential for inclusion in the portfolio and tests the attractiveness of current holdings.

The portfolio manager will be guided by this current ranking of stocks, and will typically look for a minimum of 15% to 20% upside potential. However, he has full discretion in constructing the portfolio on a bottom-up basis from the investable universe. Portfolios are concentrated, with 25-35 holdings, and only constrained in the regional allocations: region weights (North America/ Europe/ Asia) should be within 20% of the index.

Turnover is expected to be low: 10-15% in the universe and 30-40% in the portfolio. Currency hedging is client-specific, and will typically be a passive hedging strategy. Cash levels will be low.

## Idea Generation ■■■■

**Key takeaway:** The focused team spread across the US, Asia and Europe is dedicated to finding companies they believe are capable of providing superior sustainable earnings growth. The philosophy is clear and the process robust. The leadership of Mark Phelps and Dev Chakrabarti, both of whom we hold in high regard, adds to our positive view of the strategy.

### Pros

- The team is experienced and collegiate and has been working together, following this focused approach, for many years.
- They have been led by an enthusiastic and insightful investor in Mark Phelps. On his retirement, he leaves a legacy of collaboration that is embedded in the team culture.
- Incoming leader, Dev Chakrabarti, comes across as a quieter character, but no less impressive for his thought leadership and insights. He worked with Phelps for more than 17 years, and will have learnt some of Phelps' lessons.
- The strategy follows a clear and compelling philosophy to which each member of the team is fully committed.
- The process is robust, disciplined and helps the team build a deep understanding of businesses through diligent research.
- Each step of the modelling reflects a significant amount of thought and insight.
- The valuation discipline ensures the portfolio holds the best opportunities within the subset of companies already meeting their sustainable earnings growth criteria.
- We think the team's passion for their approach creates an environment where constructive challenge is the order of the day. We believe diverse views are welcomed and this adds to the robustness of stock decisions.

### Cons

- Although we believe the regional teams to be collegiate in nature, to what extent does their local focus create silos?
- We believe Phelps and Chakrabarti complement each other's strengths and form a strong investment duo. What is lost by Phelps' retirement?
- Phelps' retirement creates key person risk in Chakrabarti. Were he to leave or become less involved in the management of portfolios, we would review our rating. We also wonder whether Chakrabarti's additional leadership responsibilities create a burden that distracts him from day to day investments. This is an issue to watch.

## Portfolio Construction ■■■■

**Key takeaway:** Portfolios are constructed in a bottom up manner that gives little consideration to the benchmark. The style and characteristics of the portfolio are consistent with what we would expect given the investment philosophy and process.

### Pros

- Portfolios reflect the best stock ideas from across the regions that are displaying the most attractive upside potential within the previously vetted universe of high quality stocks.
- The factor style exposure and characteristics of the portfolio are consistent with what we might expect given the team's philosophy and process.
- The style exposures are also persistent through time.
- AB pays significant attention to the oversight of portfolio risk but we have not seen any interference in the management of the portfolio from them based on their reporting. Whilst the potential of such interference is a small concern, we believe AB will continue to adopt a supportive but "hands-off" environment to the portfolio managers.

### Cons

- The concentrated nature of the portfolio means that every stock will impact the outcome – mistakes will be felt, although the quality focus of the strategy is likely to mitigate the risk in this aspect of portfolio construction.
- There are regional constraints in the construction of the portfolio, although we note that these are broad enough that we do not believe they will lead to compromise in the quality of the ideas when building the portfolio.
- AB appointed Chris Hogbin as Head of Equities in 2020. Whilst there is a risk that this could result in greater interference in the decision-making process (particularly risk control), in practice we think this is unlikely. However, it does remain an issue to watch.

## Implementation ■■■□

**Key takeaway:** Capacity limits have been in place for many years and for a strategy that is low turnover and mainly large cap, we believe these to be reasonable and take account of portfolio overlap across the suite. The strategy benefits from AB's efficient trading and execution capabilities.

### Pros

- Even at low levels of assets, the team put in place a capacity limit that has remained static for many years. We are impressed by their proactive thinking in this respect.
- The capacity limits are across the suite of strategies the team run. This clearly takes into account the overlap between the different mandates.
- Turnover is relatively low and the strategy is likely to tilt toward larger businesses. This enhances the strategy's liquidity profile.
- AB has separate dealing teams who manage the implementation of the trading decisions taken by the portfolio manager. This should create efficiencies.

### Cons

- We have not had sight of any analysis of the costs of trading. This is not a significant factor in our view, given the low level of turnover for the portfolio.
- Fees are optically higher than the median fee within the global equity universe, but we do note that AB is open to negotiating on this and appear to be eager to find fee structures that are aligned with client interests.
- The team do offer regional strategies as well as the global and international offerings. Whilst we think they are mindful of the impact on capacity, it does introduce a level of complexity to capacity management. This is an issue to watch.

## Business Management

**Key takeaway:** AB is part of a publicly listed organization. This creates some challenges. It has been restructured in recent years to better reflect the changing needs of the broad client base and to diversify its business. Whilst there is the risk that the firm's strengths are diluted, we view the changes positively.

### Pros

- AB is a large international organization that has the scale to adequately resource its investment teams and invests in the areas they believe will generate growth for the business. This seems to be done with a focus on adding to AB's investment strengths. The size, scale and reputation of AB gives investors access to companies, policy makers and thought leaders that might not be possible for those working in other organizations. In addition, the firm's investment in technology is impressive, and the quality and breadth of proprietary tools at investors' disposal sets AB apart.
- The firm has committed to diversifying their business away from the historical reliance on specific strategies. In our view, this has been done in a thoughtful way, acquiring discrete teams and developing new innovative products to meet the changing needs of current and prospective clients with a focus on areas where they believe they have an investment edge.
- The senior management of the different asset class businesses has been stable and in place for many years. They are given significant freedom to manage their respective business units.
- AB promotes a collaborative working environment, evident through the team interaction required to develop proprietary tools as well as both formal and informal framework for meetings between portfolio managers and researchers.
- Remuneration is thoughtfully structured and aligns the interests of investors and clients.

### Cons

- AB's majority owner is a listed financial services company. While AB has been able to operate independently from its parent company EQH to date, there is no guarantee this independence will continue to be enjoyed.
- To what extent do short to medium-term growth and profitability pressures affect the alignment between the business and clients? We have seen these affect strategies with staff departures in the past and are wary of the potential impact of future pressures.
- AB experienced some turmoil in 2008/09 when performance across a number of equity strategies struggled. Great efforts were made to right the ship, and while we think they have been successful, we wonder to what extent corporate memory fades, or unduly affects future decisions?
- AB's objective of diversifying the business leads the firm to build alternative capabilities and products through existing teams and through the acquisition of independent external teams. This latter approach is a more recent path for AB and whilst it seems positive, there is the risk that it introduces organizational friction. In addition, product proliferation is a potential risk.
- AB has seen turnover at the senior level at times. These have not always been negative changes, but we note the risk of disruption and change in business strategy. This is an issue to watch.



## ESG and Stewardship ESG2

**Key takeaway:** The consideration of environmental, social and governance factors is systematically applied. The team will engage with management on these issues from time to time, and vote all proxies.

### ESG in Idea Generation

The investment philosophy and process lends support to emphasizing ESG factors within the research process given the focus on the long-term sustainability of earnings. This is done systematically, taking into account the MSCI ESG ratings and the team's view over and above that through a '+', '-', or '='. These symbols indicate the team's view of whether they think the business is better, worse, or in line with the MSCI rating. This view is captured in a separate report that decomposes the drivers of the MSCI rating and why the team's view differs (if it does). The ESG report is not in great depth, which we think is appropriate given its objective, but it does set out clearly the reason for the view. In addition to the expression of the view, the ESG standing of a company impacts the return required from the business in the investment thesis.

The team utilizes the ESG scores from MSCI data as a basis for their ESG view.

### ESG in Portfolio Construction

ESG factors are not explicitly taken into account in the construction of the portfolio, but the stock-level consideration of ESG issues will play into the attractiveness of an opportunity, both from its quality perspective and its expected return. These elements drive the purchase decisions, and therefore ESG does indirectly impact portfolio construction.

That said, we would not expect the ESG Style Skyline to reflect persistent biases to E, S or G.

### ESG and Implementation (i.e. Stewardship)

ISS is used for voting recommendations according to a central policy, but the teams actually make the decision on voting.

The team will meet with management in the course of their fundamental analysis and have provided examples to Mercer that demonstrate that they engage on environmental, social and governance issues with the company. As an example, they have visited companies' factories and held dialogues with manufacturers on supply chain issues.

On an annual basis, the team set an engagement agenda, looking to move conversations with management forward in relation to sustainability issues. These tend to be forward-looking and typically ahead of narratives commonly discussed with peers.

### Firm-wide Commitment

AB established a "Responsible Investment Committee" in 2011 after becoming a PRI signatory. This committee is responsible for developing ESG policy and thought leadership in partnership with AB's investment teams. It ensures there is progress with the firm's responsible investment policy and oversees its implementation. In addition, the committee provides advice to AB's investment and client teams as appropriate.

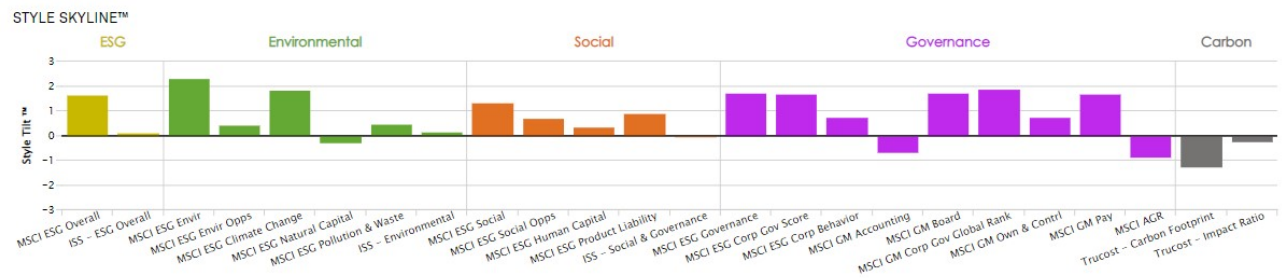
AB also initiated an academic partnership with Columbia University in the US. They are using this partnership to increase their and their clients' awareness of sustainability issues, especially regarding climate change and the UN's SDGs. Although this partnership is unlikely to impact decision making at the strategy level in the near term, it should give the business far greater buy-in across the investment teams, which will, in time, filter down into decision-making.

AB has developed a collaborative tool (Esight) which creates a platform for investment teams to share their views and engagements on environmental, social and governance issues faced by a business.

The business has a public RI/ ESG policy available on their website, which also sets out their commitment to ESG, sustainability and responsible investing as a firm and for the investment teams.

ESG Snapshot

ESG Style Skyline



## Assessment of Organization

### Business Structure

AllianceBernstein L.P's (AB) beneficial ownership is split, with c. 65% held by Equitable Holdings Inc (EQH), c. 25% publicly listed and the remainder held by directors, officers and employees. EQH, as the majority shareholder, has largely supported independent operation, but we note that it reshuffled the Board in 2017 (also bringing in a new CEO at the time) and 2019, increasing the number of independent directors. Whilst we have been reassured of a return to AB's operational independence, further interference remains a potential risk. EQH is also a listed company and up until its public offering in 2019 was owned by AXA Financial.

AB's equity portfolios experienced poor performance around the time of the Global Financial Crisis (GFC, 2008). This contributed to assets under management (AUM) falling from their peak of \$790 billion at the end of 2007. However, AUM has grown since its trough of just over \$400 billion at the end of 2011 and the level appears to have stabilized since. We note that the composition of the AUM has shifted over time. In 2007, 74% of the AUM was held in equity strategies; however, this has steadily declined and equities comprised around 35% of the firm's AUM at the end of 2021. In contrast, AB's Fixed Income products have grown and now represent a similar component of the firm's AUM (at 38%) to equities. Whilst the addition of different asset classes and the shift in the asset mix has given the firm greater stability, it also has an impact on AB's overall profitability, as fixed income is a lower margin business. We note, however, that the business remains highly profitable.

Within the equity business, significant changes were made post the disappointing performance through the GFC to strengthen the area. Part of this has been the acquisition of discrete teams in what they describe as an effort to diversify their

equity business. In reality, the aggregate level of AUM from these teams is less than 20% of the total equity business, and less than 5% of the overall AUM. We question the extent to which this is truly a diversifier for the business.

### Environment and Culture

In 2019, the firm moved its headquarters from New York to Nashville, Tennessee. New York remains a significant investment office, together with offices in London, Tokyo, Hong Kong, Taipei, Montreal, and Seoul.

AB is a large organization with scale to adequately resource teams so that they are able to focus on investing. Research, portfolio management, and trading are seen as three different career paths and each are heavily involved in the investment process.

The firm stresses its collaborative culture and all teams share one Economic Research Group, one Credit Research Group, one Securitised Asset Research Group, and one Quantitative Research Group. The acquisition of discrete teams adds to the complexity of the business, but the model of having boutiques within a larger organization is not uncommon, even within AB: the traditional Value and Growth equity teams have always remained fairly autonomous. We get a sense that while AB is a strong proponent of collaboration, it does not enforce it on individuals. Instead, collaboration is encouraged where possible, with the intention that these teams maintain their distinct culture and participate in discussions when it is mutually beneficial. However, we are mindful of the potential challenge for AB to preserve this balance between cross-collaboration and non-interference in each team's investment approach.

### Remuneration and Alignment

Remuneration is structured to align investors' interests with those of AB's clients through

variable compensation based on a long-term view of performance (one, three and five years). In addition, meaningful investment in the products they manage serves to adequately align interests with those of clients.

Part of the annual incentive compensation is paid as a cash bonus and part through the firm's Incentive Compensation Award Plan (ICAP). The ICAP award vests over a four-year period and is typically in the form of publicly traded AB equity.

The total compensation for portfolio managers is determined by both quantitative and qualitative factors. The quantitative component typically includes measures of absolute, relative and risk-adjusted investment performance. Relative and risk-adjusted returns are compared to the benchmark and versus peers over 1-, 3- and 5-year periods, with more weight given to

longer time periods, which we like. The qualitative component tends to incorporate the softer issues: thought leadership, collaboration with other investment professionals at the firm, and building a strong talent pool, amongst other factors.

For analysts, compensation is based on the performance of their recommendations, as well as the breadth and depth of their research knowledge and their broader collaboration. For junior analysts, compensation is largely salary based but quickly caps out as the variable compensation grows to become the dominant portion of compensation.

Overall, we believe compensation for investment team members is sensible and competitive, serving to promote stability of the investment team.

## Assessment of Strategy

### History

The approach followed by the Concentrated team at AB was initially conceived by Bill Stewart in 1975. Stewart launched a global strategy in 2004 and Phelps took on the management of the strategy on joining WP Stewart (WPS) in 2005. Although Phelps has managed the strategy since then, we note that from 2008 until WPS was acquired by AB in December 2013, Phelps was also CEO of WPS. At the beginning of 2022, Phelps announced he would retire at the end of 2022, and Dev Chakrabarti would take over sole decision-making for the strategy. Chakrabarti has worked alongside Phelps on this strategy since 2005.

### Team and Resources

The team that joined AB from WPS is notably cohesive. They display a strong sense of purpose and clarity of focus. The team has been largely stable for many years. They are collegiate, and very willing to engage with AB colleagues in discussion on companies; their move to AB in 2013 invigorated them as they gained easy access to a sizeable team of investment professionals they could engage with.

The Concentrated team is organised into three regional teams: US, Asia and Europe. Within these teams, the assignment of work differs according to the need – in Asia, a regional approach is adopted as there is value in individuals being familiar with the nuances of language and culture of the diverse countries the team cover. There has clearly been some thought put into this. In the US, where responsibilities are more sector-based, there is still a significant level of overlap in terms of discussion and the various individuals bring their perspectives to bear on any given stock. There is also a level of inter-regional discussion and collaboration. We believe this makes the discussion more robust and strengthens the case for any holding.

The Asian team was originally housed within Bowen Asia (Bowen), a separate business founded by Lisa Stewart, daughter of Bill Stewart. Although separate entities, the Bowen team had been associated with WPS by providing research to the global team since the inception of the strategy. In 2012, Bowen was bought by WPS and fully integrated before the AB acquisition of WPS. The Asian team is led by Celina Lin. Lin joined Bowen in 1994, a few months after it was launched, and took over leadership in 2009. She started her career in the industry in 1989. There are a total of four investors on the Asian team.

The European team has historically been light on resources, with only Dev Chakrabarti and Mark Phelps covering European equities until 2014. Phelps joined the industry in 1986 and WPS in 2005. He is impressive – he displays enthusiasm, demonstrates insights and shows a thoughtfulness to the way the strategy is structured. Chakrabarti does seem to be a good foil to him, with a greater focus on detail than Phelps demonstrates. However, they recognized that greater analytical support would be better and recruited John Keith in 2014, Nick Timpson in 2018 and Arpita Bhabhera in 2020. All three of these additions came from AB's sell-side sister company, Sanford Bernstein, and we note they bring a depth of detail and strength of analysis to the discussions. The team in Europe now feels adequately resourced.

During 2020, Chris Hogbin (previously COO for equities) took over the Head of Equities role from Sharon Fay, who moved into the position of Chief Responsibility Officer. This transition took place over a two-year period with Fay acting in more of a supporting role during the latter part of the handover. We believe AB took a sensible approach to the transition and Hogbin comes across as someone who could build on what Fay had achieved. He also brings a depth and breadth of experience to the role

and seems to have been accepted by the senior investors in the business.

### **Philosophy and Process**

The philosophy is appealing in its simplicity: long-term, consistent earnings growth drives long-term investment returns. The commitment to this belief is clearly seen across the team.

The philosophy provides a sound framework for the process. In the process, this AB team has struck a balance between independence of thought and accountability for work on the one hand, and collaboration and sharing of research trips and stock views on the other. The team culture (cohesive and collegiate) is a strength in the implementation of the process, facilitating constructive challenge. The underlying due diligence that vets each investment idea is thorough but is also focused on what really matters. This focus is encouraged through discussions within and between regional teams, and by the framework set for research.

Elements of the process show a significant amount of thought. An example is the bucketed discount rates that prevent the likelihood of the analysts getting distracted by overly-engineering the model. The slight variation on this in Asia clearly reflects the different environment of the region and we view the thoughtful flexibility of a disciplined process positively.

The valuation-based ranking of the universe is another example of the team's thoughtfulness, building discipline into their approach that might otherwise become overly positive on the growth prospects of stocks.

Although the philosophy and process have remained consistent, the team does also apply some thought to the evolution of the approach over time, not chasing change but also ensuring the approach does not stagnate. We view this positively.

### **Portfolio Construction and Risk Control**

Portfolios hold a relatively small number of names, but the philosophy's focus on the sustainability of earnings growth and the valuation discipline do reduce the risk usually inherent in such a concentrated portfolio. Portfolios are built from the most attractively valued opportunities in the investable universe that have already met the quality criteria through in-depth due diligence. This means that global portfolios are able to hold the best ideas from across the regions. We note that the team have an awareness of portfolio-level risk and will not allow the portfolio to be overly exposed to any one macro factor.

AB as an organization also prides itself on the calibre of their risk management and has dedicated functions focusing on each of operational risk, investment risk and counterparty risk. A series of independent risk committees oversee portfolio exposures across the business. This is meaningless unless there is a real understanding of the input of the systems and the output of reports. Discussions with the team in the past have highlighted that they have this understanding.

### **Implementation**

AB has a dedicated dealing team. Globally, they employ more than 15 equity traders spread across seven regional trading desks that include Hong Kong, Sydney, London and New York. The average industry experience of the traders is more than 15 years and the average tenure with AB is around 10. Authorized investment professionals (approved portfolio managers) enter their trade orders into an order management system that electronically routes the instruction to the dealing team. Only the dealing team is authorized to communicate orders to a broker or dealer, and AB's team will only act on orders recorded in the system. Trades are monitored for best execution. AB's infrastructure appears strong and seems to have significant levels of checks and balances in place

to ensure effective implementation of investment decisions.

Turnover has averaged c. 30%-40% for the history of the strategy. AB tells us approximately half of this is name turnover, with the remainder being from the management of position sizes. The difference in the universe turnover (lower) and the portfolio turnover resonates with the tension between the philosophy's long term perspective and the process' sensitivity to valuation. We believe it is still relatively low and is in line with our expectations from the range indicated by AB, and the team's description of their process.

The AB Concentrated team has consistently held to a capacity limit of US\$15 to US\$20 billion for Global, and \$25 billion across the strategies they offer. There is still room for the strategies to grow before they reach these levels.

At capacity, the global portfolio appears to remain fairly liquid and, given the low turnover of the strategy, we have no concerns on the team's management of this aspect.

AB has shown a willingness to negotiate on the fee, and to consider performance fees. We believe a reasonable alignment of interests is achievable when engaging with AB on fees.



## Assessment of Track Record

<b>Track Record</b>	AB Concentrated Global Growth (ALBGEQ)	<b>Mercer Universe</b>	Global Equity (Core All Countries)
<b>Base Currency</b>	\$US	<b>Track Record Type</b>	Composite
<b>Gross/Net of Fees</b>	Gross	<b>GIPS Compliant</b>	Yes
<b>Benchmark</b>	MSCI AC World (Net) (MSACWN)	<b>Track Record Assets</b>	US\$4.7 billion as at 31 Mar 2022

Over its full history, AB's Concentrated Global Growth strategy has outperformed the benchmark, even on a net of fees basis.

The process does not specifically target a lower volatility than the market but the focus on the sustainability of earnings growth does introduce an element of reduced volatility. However, this can be episodic and should not lead to the conclusion that this is a defensive strategy: it has outperformed in just under two-thirds of down markets, but the down-market capture ratio is just above 100% over the history of the strategy.

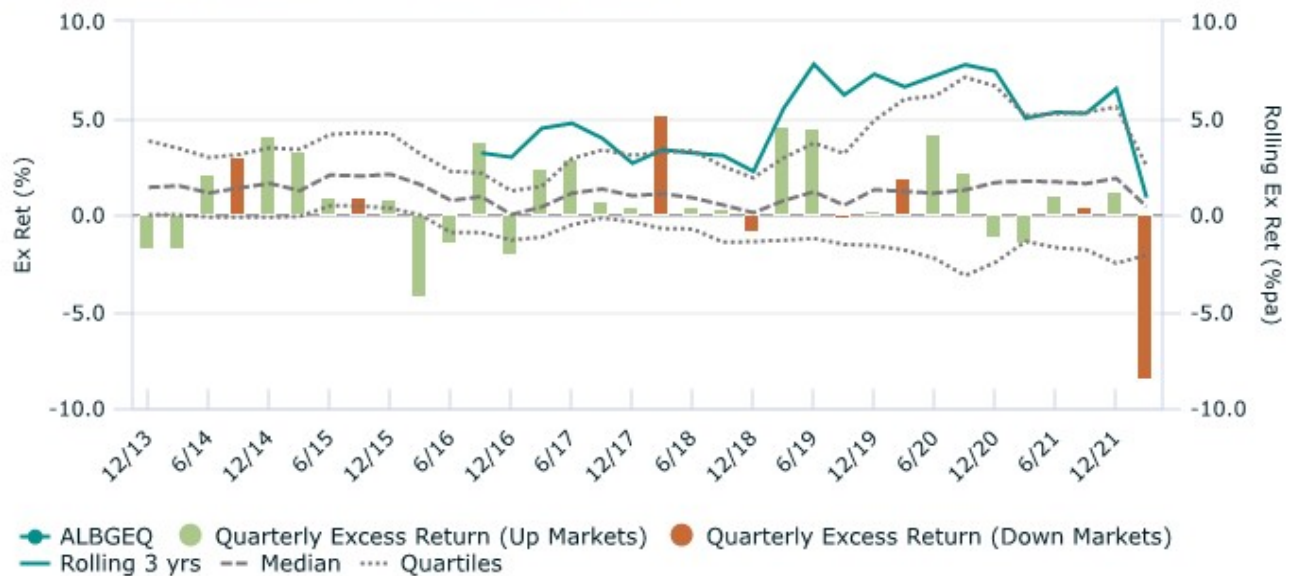
We would expect the portfolio to outperform in steady growth markets, but the performance is likely to lag in momentum-driven rallies or when

valuation is totally ignored in market performance drivers. That said, the strategy is also likely to lag the benchmark when value as a factor dominates and drives the market, or when lower quality, highly leveraged strategies top the performance charts.

When comparing the track record to MSCI Momentum, Growth and Quality indices (given the style bias of the strategy), we observe no notable patterns. AB presents evidence that demonstrates that the strategy's track record has delivered returns in excess of the performance from the portfolio's naïve factor exposures.

Overall, we believe performance has been in line with our expectations.

Quarterly Excess Return vs. MSCI AC World (Net) with rolling 3 yr line in \$US (before fees) over 8 yrs and 2 quarters ending March-22  
Comparison with the Global Equity (Core All Countries) universe



Performance characteristics vs. MSCI AC World (Net) in \$US (before fees) over 5 yrs ending March-22  
Comparison with the Global Equity (Core All Countries) universe (Percentile Ranking) (monthly calculations)

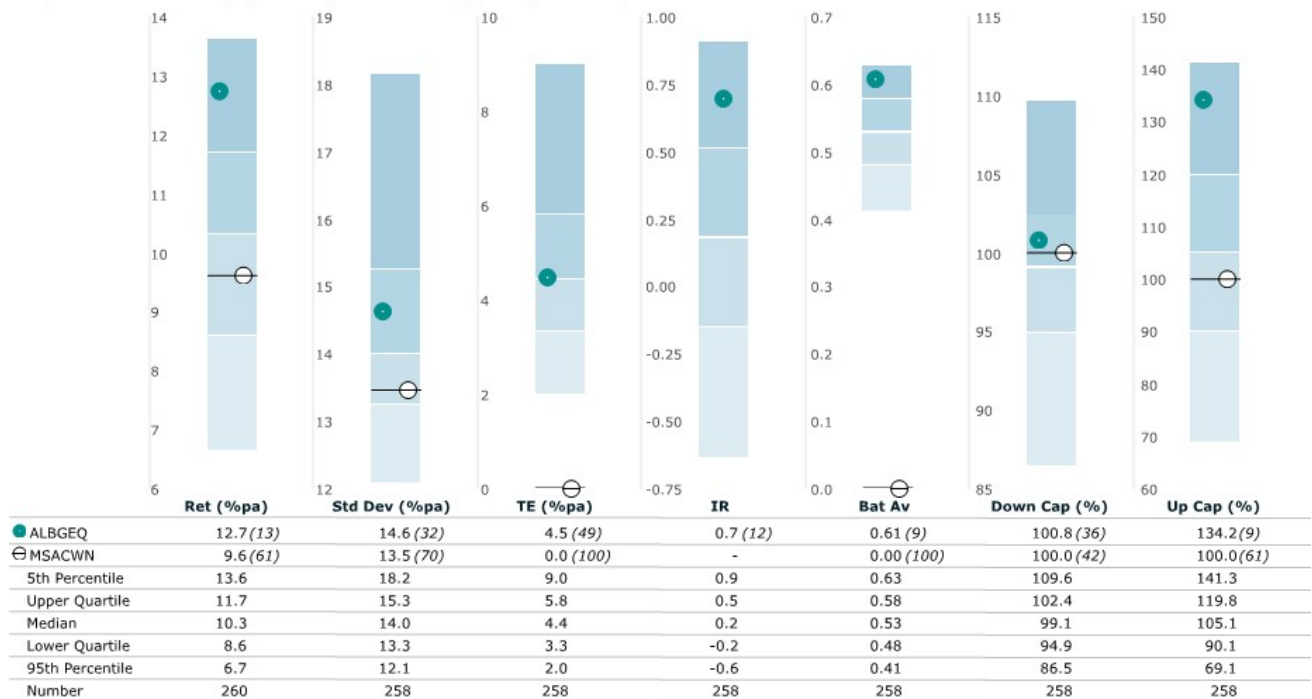


	Ret (%pa)	TE (%pa)	Std Dev (%pa)	Alpha (%pa)	Beta	% Out U	% Out D	SSD Bmk (%pm)
● ALBGEQ	15.0 (28)	4.6 (61)	16.5 (36)	2.6 (39)	1.05 (33)	60 (28)	53 (42)	0.9 (64)
⊙ MSACWN	11.6 (64)	0.0 (100)	15.1 (72)	0.0 (66)	1.00 (52)	0 (100)	0 (100)	0.0 (100)
5th	17.8	12.2	20.8	6.1	1.18	67	71	2.2
25th	15.2	6.5	17.4	3.6	1.07	63	65	1.3
50th	12.8	5.1	16.0	1.1	1.01	56	53	1.0
75th	10.2	4.0	15.1	-1.4	0.94	47	41	0.8
95th	7.2	2.7	13.7	-4.7	0.85	33	29	0.5
#	175	175	175	175	175	175	175	175

● ALBGEQ ⊙ MSACWN

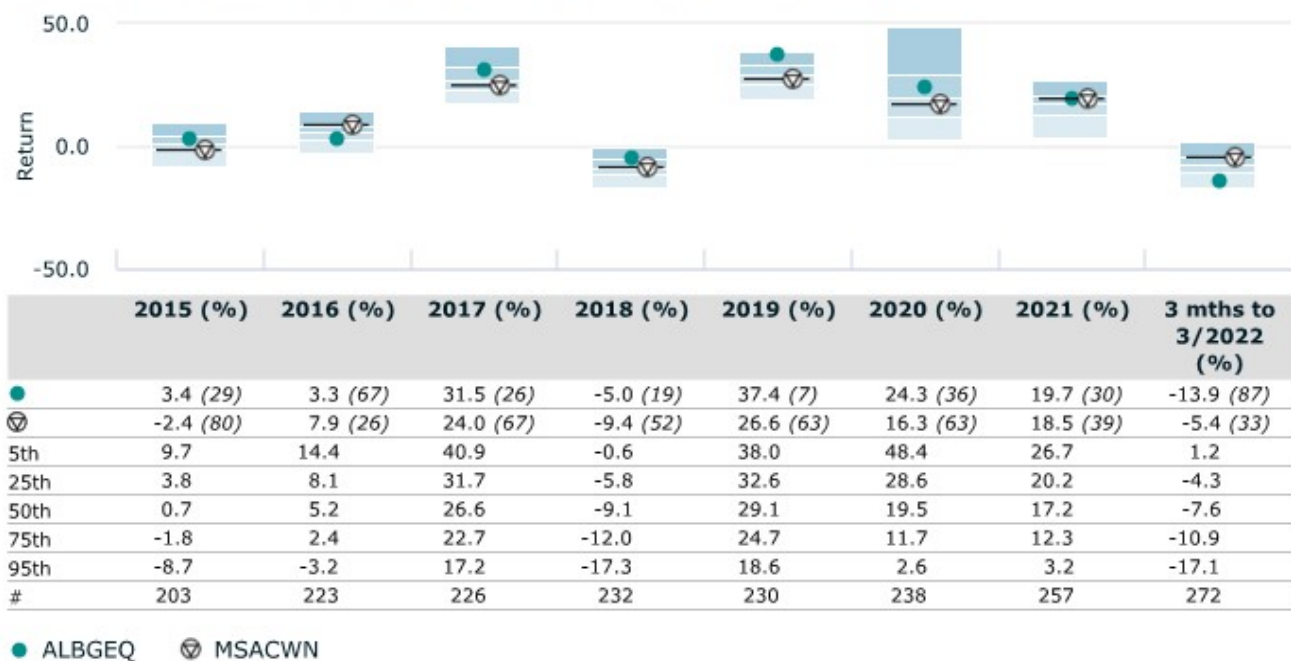
**AB - Concentrated Global Growth**

Performance characteristics vs. MSCI AC World (Net) in \$US (before fees) over 8 yrs and 6 mths ending March-22  
Comparison with the Global Equity universe (Percentile Ranking) (monthly calculations)



Return in \$US (before fees) over last 8 calendar years ending March-22

Comparison with the Global Equity (Core All Countries) universe (Percentile Ranking)



## Assessment of Portfolio Holdings

### Portfolio Characteristics

<b>Date of analysis</b>	31 Mar 2022	<b>Adjustment used for style tilts</b>	Unadjusted
<b>Benchmark used for analysis</b>	MSCI ACWI	<b>Cash</b>	0.3%
<b>Number of stocks</b>	37	<b>Selected portfolio fundamentals</b>	Weighted Average (Benchmark)
<b>Effective number of stocks</b>	29	- <b>Forward earnings yield</b>	4.1% (6.0%)
<b>Predicted tracking error</b>	4.6%	- <b>Market cap</b>	\$308bn (\$386bn)
<b>Predicted beta</b>	0.95	- <b>ROE</b>	30.5% (23.6%)
<b>Coverage ratio</b>	10.9%	- <b>Dividend yield</b>	0.9% (1.8%)
<b>Predicted vol (benchmark)</b>	15.4% (15.5%)	- <b>Debt/Equity ratio</b>	75.3 (103.3)

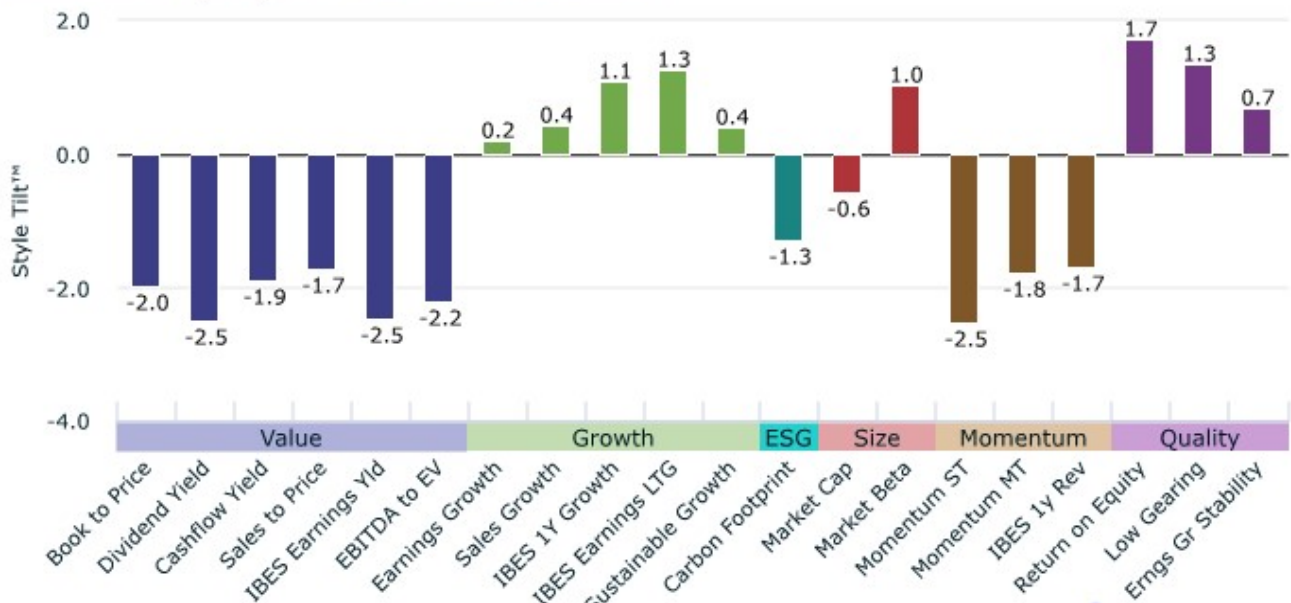
The portfolio's characteristics and style factor exposures over time have persistently reflected the philosophy of the team, with strong tilts to quality and sustainable earnings growth.

Sector and regional positioning, although built from the bottom-up stock selection, have tended to be persistent.

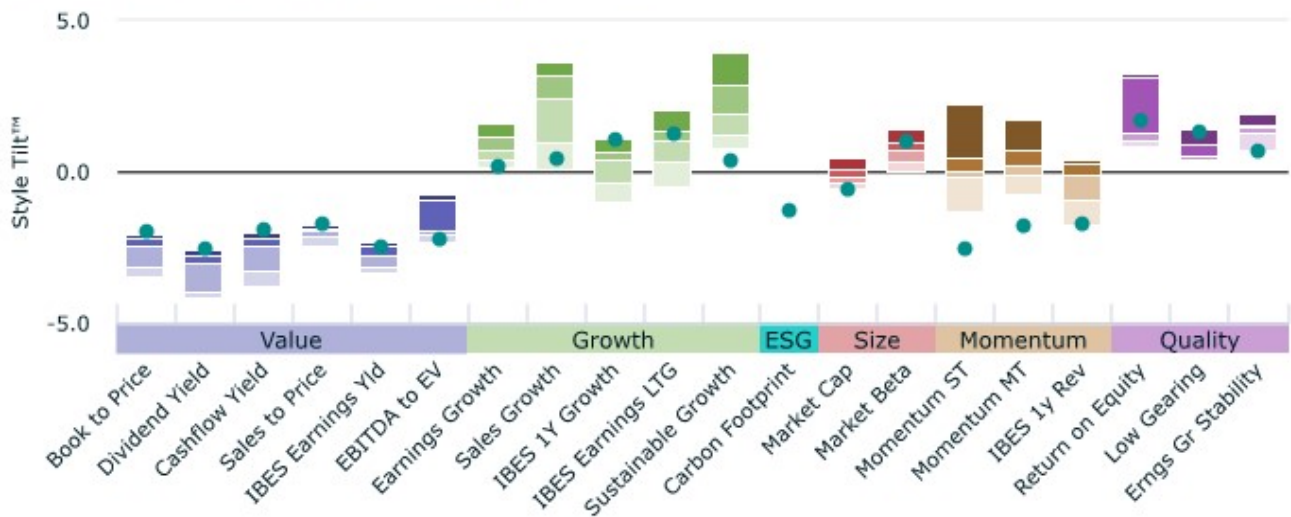
Although portfolios are concentrated, the team is aware of the risk within the portfolio and seeks

diversification from each position held. This is seen in the effective number of stocks being close to the actual number of stocks. The portfolio also displays a reasonably modest predicted tracking error, which is unusual given its concentrated nature and high active coverage. This is likely driven by the exposure to larger cap names in the portfolio. We believe the unconstrained nature of the approach and the concentrated portfolio can lead to a relatively high tracking error.

Mercer Selected Style Skyline™ vs. MSCI ACWI as at March-22



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Mercer Selected Style Skyline™ vs. MSCI ACWI as at March-22  
Comparison with historical range (September-18 to March-22)

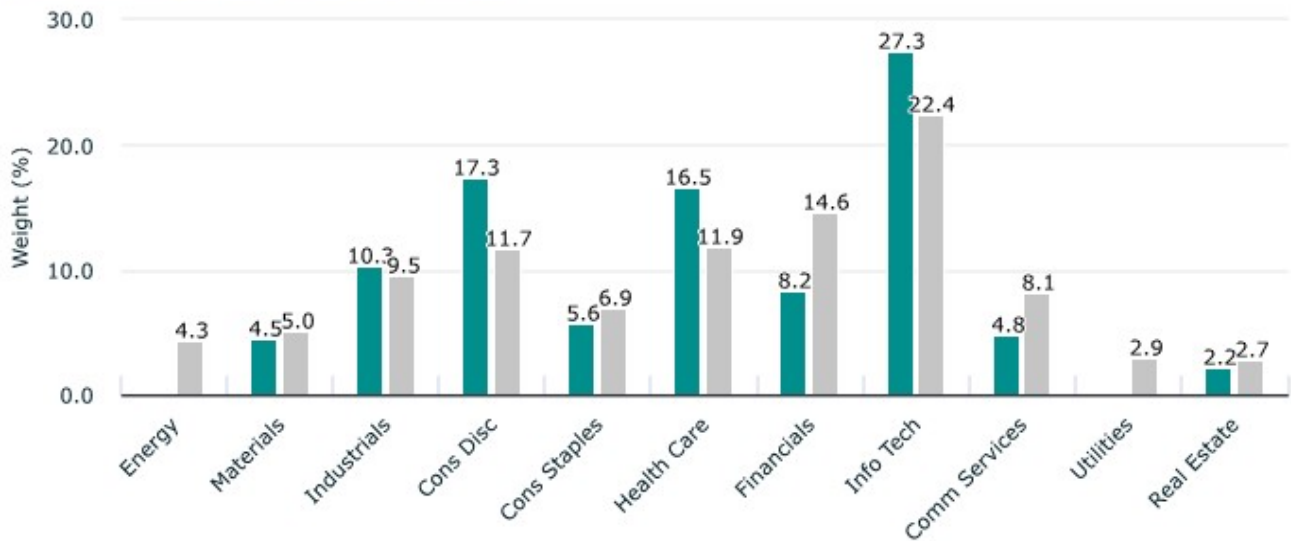
● ALBGEQ

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Sector Allocation vs. MSCI ACWI as at March-22

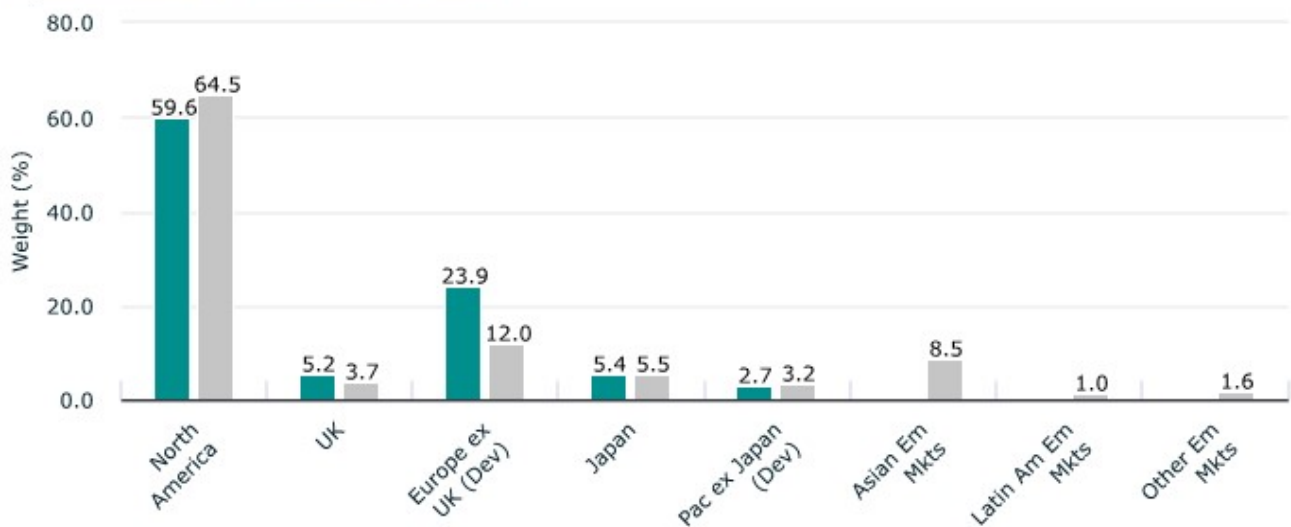


● ALBGEQ ● MSACWF

\* For sector allocation analysis prior to October 2018, the sector Communication Services was known as Telecommunication Services. This was created with, embodies and/or executes proprietary software and/or data under license from Style Analytics Ltd. © 2022 Style Analytics Ltd. All rights reserved. Style Analytics, Style Research, Peer Insights, Style Skyline, Style Tilt and StyleResearch® are registered trademarks of Style Analytics. StyleAnalytics™ is a trademark of Style Analytics.



Region Allocation vs. MSCI ACWI as at March-22



● ALBGEQ ● MSACWF

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## Appendix 1

### Fee Schedule

The table below shows the fee scale applicable for a representative vehicle for this strategy. Note that this may only include the manager's remuneration and may not include other expenses that investors may incur. Fees may be negotiable, particularly for larger mandates, and a performance related fee scale may be offered.

Vehicle name	Vehicle type	Fee scale	Minimum account size
AB Concentrated Global Growth	Segregated	0.9% on the first \$50 million 0.75% on the next \$50 million 0.65% on the balance	\$50m

The exhibit below shows the manager's stated fee payable for this vehicle for a variety of mandate sizes compared to the universe of stated fees. Again we note that in practice fees are often negotiable. This universe comprises all vehicle types.

Fees 25m (%), Fees 50m (%), Fees 100m (%) in \$US  
Comparison with the Global Equity universe



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- The value of stocks and shares, including unit trusts, can go down as well as up and you may not get back the amount you have invested.
- Investments denominated in a foreign currency will fluctuate with the value of the currency.
- Certain investments, such as illiquid, leveraged or high-yield instruments or funds and securities issued by small capitalization and emerging market issuers, carry additional risks that should be considered before choosing an investment manager or making an investment decision.
- For higher volatility investments, losses on realisation may be high because their value may fall suddenly and substantially.
- Where investments are not domiciled and regulated locally, the nature and extent of investor protection will be different to that available in respect of investments domiciled and regulated locally. In particular, the regulatory regimes in some domiciles are considerably lighter than others, and offer substantially less investor protection. Where an investor is considering whether to make a commitment in respect of an investment which is not domiciled and regulated locally, we recommend that legal advice is sought prior to the commitment being made.