Perspectives on the Future of the Wealth Management Industry

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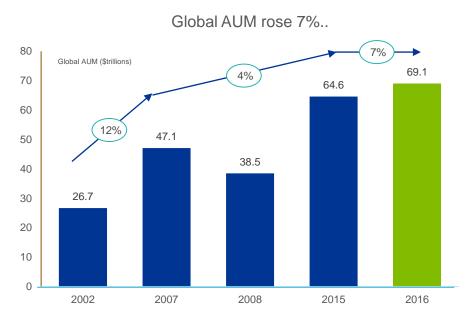
The wealth advisory industry is undergoing significant change

- The industry move to the highest fiduciary standards is here to stay
- Asset a shifting to fee-based and portfolio construction is becoming a critical element of an advisor's value proposition
- In a fee-based world, advisors demand investment strategies that offer quality and value
- Portfolios built with active and passive strategies are key to managing risk and fee budgets
- The emergence of digital wealth technologies offers advisors the opportunity to scale

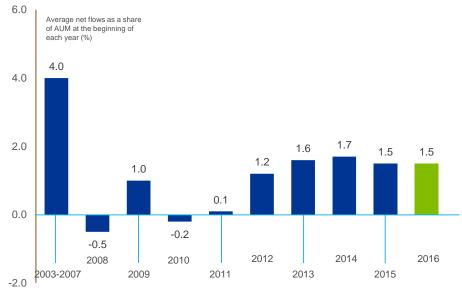
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Global Assets Under Management Growth

Global AUM Grew 7%, mostly because of Rising Market Values



..while Net Flows were flat at 1.5%



Source: BCG Global Asset Management Market-Sizing Database, 2016

In 2014, Wealth Managers major concerns were..

..and in 2017 the situation is the following:

Regulation

The Industry paid closed attention to the changes required in US and Europe, but lack of clarity around the implementation phase

Still a burden for organizations, but they realize that forces put in place are not going to stop

Technology

Focus on the appearance of "Robo-Advisors"

Now in the age of digitization the focus is on 'front-end' client experience, risk management tools and hybrid advice

Margin Compression Execution-only and traditional advisory challenged

Fee-based advisory on the rise in Europe & US

Product mix begins to change 'Barbelling' acknowledged

Rapid growth of fee-based advisory

Significant acceleration in indexed investing

Rise of multi-asset/outcome oriented investing

Source: BlackRock Wealth Management Industry Surveys, 2014 and 2017

Three forces are disrupting the value chain





Regulators are driving a shift to fiduciary standards & fee-based globally

United States



United Kingdom



Europe



- Department of Labor (DoL) Fiduciary Rule – Enforces best interest clause and fiduciary standards
- Municipal Bonds and MSRB Rule Changes – Requires brokerage firm pricing disclosure on bond trades

- Retail Distribution Review (RDR)
- Ban on retrocessions (rebates from asset manager)
- Eliminate bias towards particular investment products and solutions
- Transparency

- Markets in Financial Instruments Directive (MiFID II)
- Ban on inducements
- Increased focus on investor protection
- Fee transparency and advisory model changing asset management

Index and ETF; managed FI

Fee-based model

Contraction in advisors & fees

Advice gap for smaller accounts

Multi-asset outcomes

Guided architecture

Source: BlackRock, as of August 2017



Transparency: The focus is on pricing



The investment seems expensive ...

Wealth managers need to increase the real and perceived value they provide

Source: BlackRock, March 2017, For illustrative purposes only.

There is a strong interest on the part of the regulators worldwide to offer products in a transparent, efficient and clear way to the customers. It is in the interest of banks, regulators and clients to do so.

- Citi Consumer Bank, March 2017



Challenge: Replacing income from lost retrocessions

Value Proposal

Develop
differentiated
advice
proposal that
creates
perceived value

Strategic relationship model

Define a strategic relationship program to leverage asset managers Internally managed asset growth

Benefit from proceeds from the sale of captive funds Lower cost investment solutions

Introduce index or sub-advised to reduce costs

Conversion of liquidity into managed assets

Increase revenues by moving deposits to managed assets Expand the breadth of the proposal to the customer base

Cross-selling of investment products to existing customers

Source: BlackRock. March 2017. For illustrative purposes only.



Suitability: Aligning risk profiles with portfolio risk

Regulation puts suitability front and centre for Wealth Managers

The ability to monitor the suitability of investment recommendations over time is a core requirement:

- Match between risk profile and portfolio risk
- Understanding risk deviations in portfolios
- Justification for recommendation if questioned by regulator
- Wealth Managers wrestle with appropriate data to include in reporting

The role of risk technology

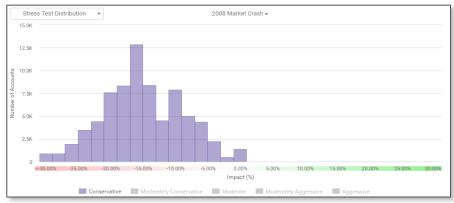
- Identifying accounts which lie outside their risk profile bands
- · Notification and remedial action

Firms must obtain the following information from a client or a potential client before providing the above services: its **knowledge and experience** of the investment field in which the investment advice or portfolio management is to be offered; its **financial situation** including his **ability to bear losses**; and its **investment objectives** including the **risk tolerance**.

NORTON ROSE FULBRIGHT, MIFID II ACADEMY: SUITABILITY AND APPROPRIATENESS, 2016

Risk Distribution Solv 4.0K 4.0K

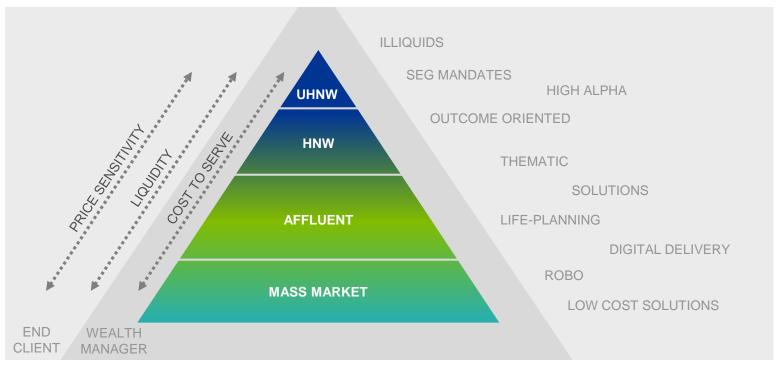
Stress testing portfolios



Source: Aladdin Risk Monitor as of June 2017 (illustrative purposes only)



Aligning the offering with the cost to serve

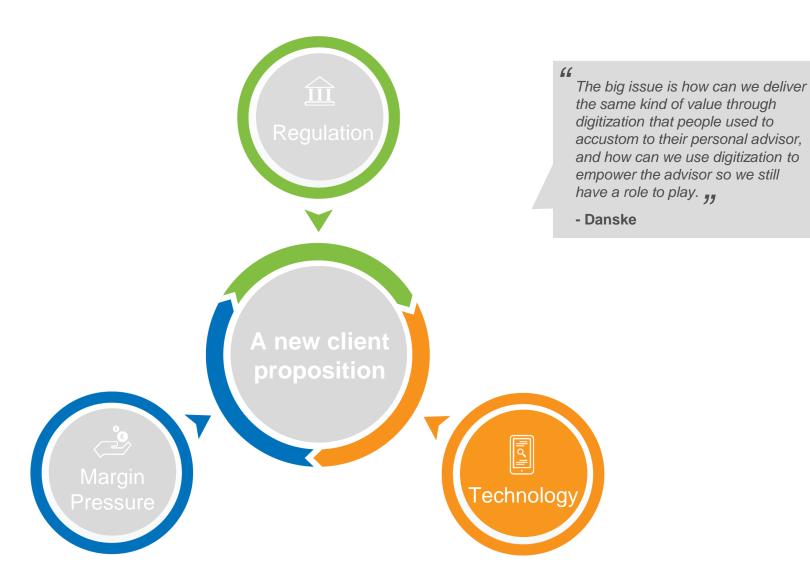


Source: BlackRock as of June 2017. For illustrative purposes only.

You have to really look at your client base and have a very segment-specific offering, and then cater to the various segments in specific ways

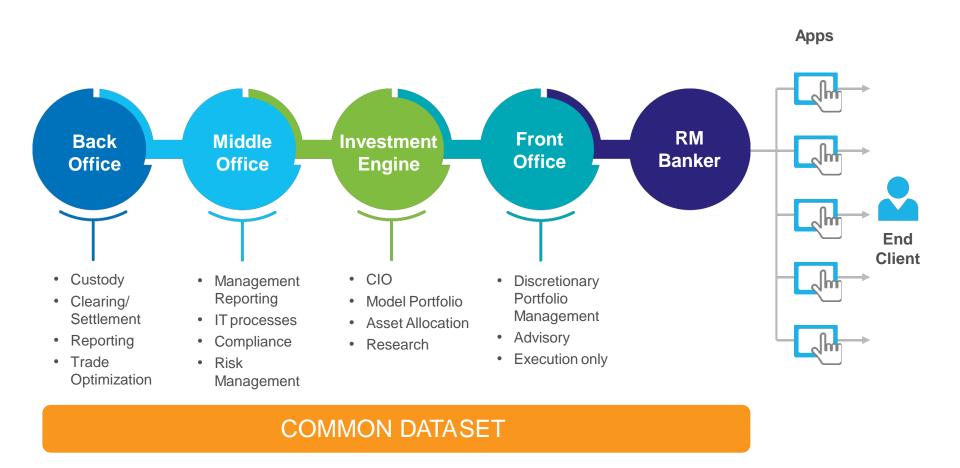
- Deutsche Bank Wealth Management

Three forces are disrupting the value chain





Digitalising The Bank Value Chain

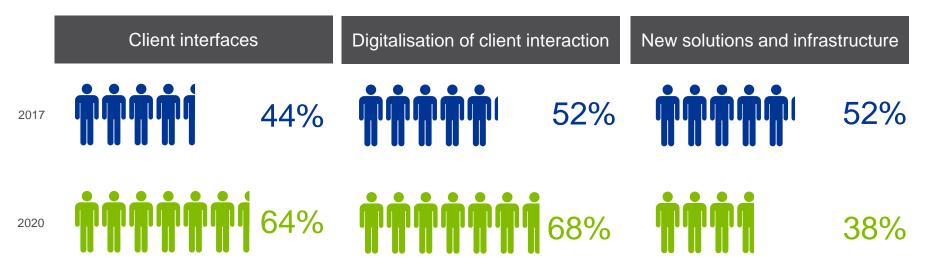




Client experience and relationship management are the next big industry focus

Focus of technology investments

% respondents (selected all categories that apply, out of a total of 6)



- Rabobank

Source: Blackrock Wealth Management Industry Survey 2017

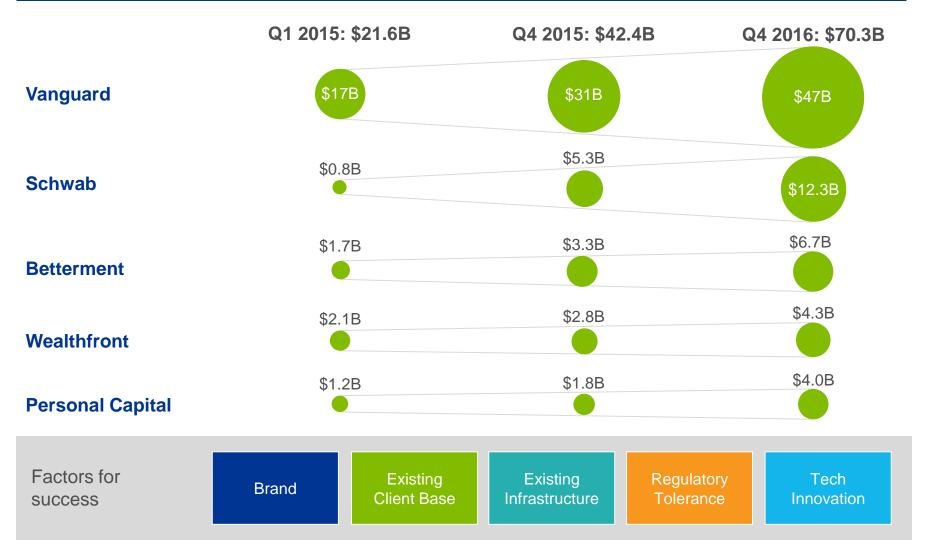


We are investing in robo-advising to make it easier to offer the service to smaller clients, but also investing in apps to improve portfolio insight for all clients. So technology is important to make the offering cheaper, more profitable, or to keep it profitable.



The most successful robo-providers combine human and digital advice

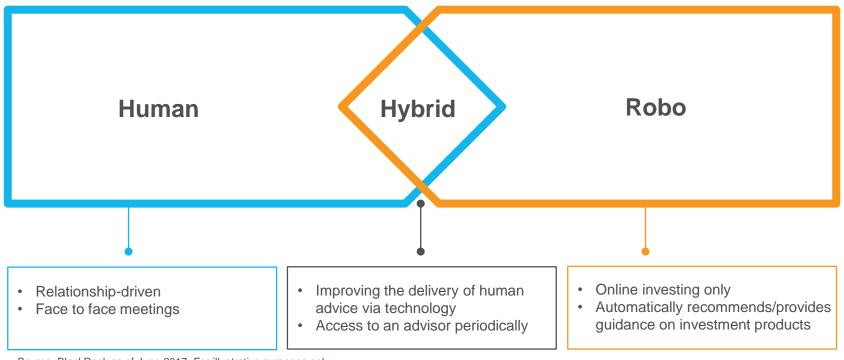
AUM for selected large robo-advisors



Source: Company websites, "A Tour of the Top 10 Robos," January 24, 2017. http://www.etf.com



Wealth Managers see Robo supporting, not displacing, human advisory



Source: BlackRock as of June 2017. For illustrative purposes only



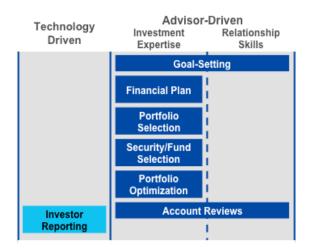






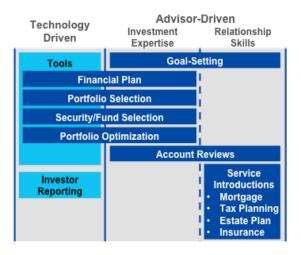
Looking forward, wealth managers will automate what can be automated, and focus valuable FA time on high value activities like financial coaching

Wealth Advisory Business Model: 1990's



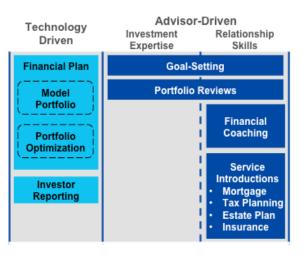
 Advisors valued for their individual investment expertise

Wealth Advisory Business Model: Current



- More functions handled via the wealth platform
- Increasing focus on relationship services
- Decreasing importance of individual investment expertise

Wealth Advisory Business Model: Future



- Shift to more technology-driven wealth platform that performs key investment functions
- Advisors acts as private banker, providing life services and coaching clients

Source: Citi Business Advisory Services as of August 2017

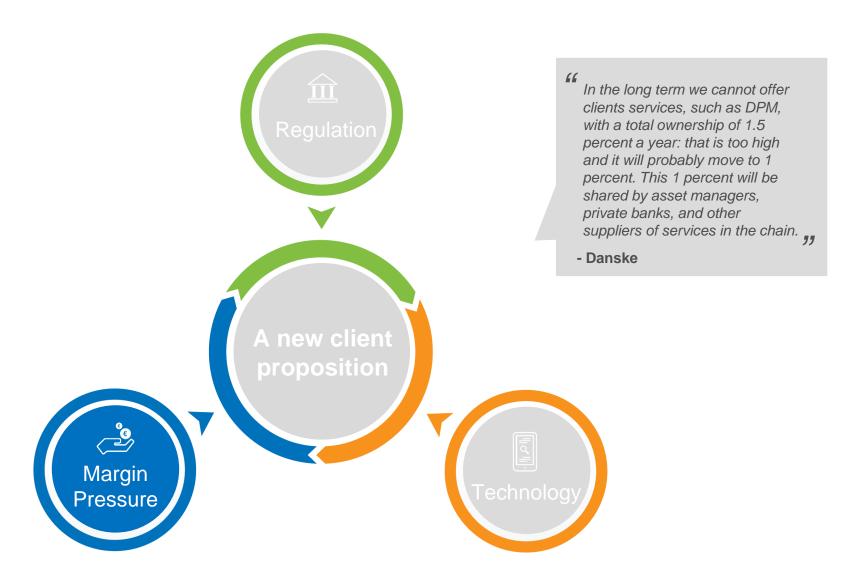
Digital improves the experience for both the client and the advisor

Advisors who integrated technology into their practice saw:



Source: *Fidelity, 2016. +McKinsey, 2016

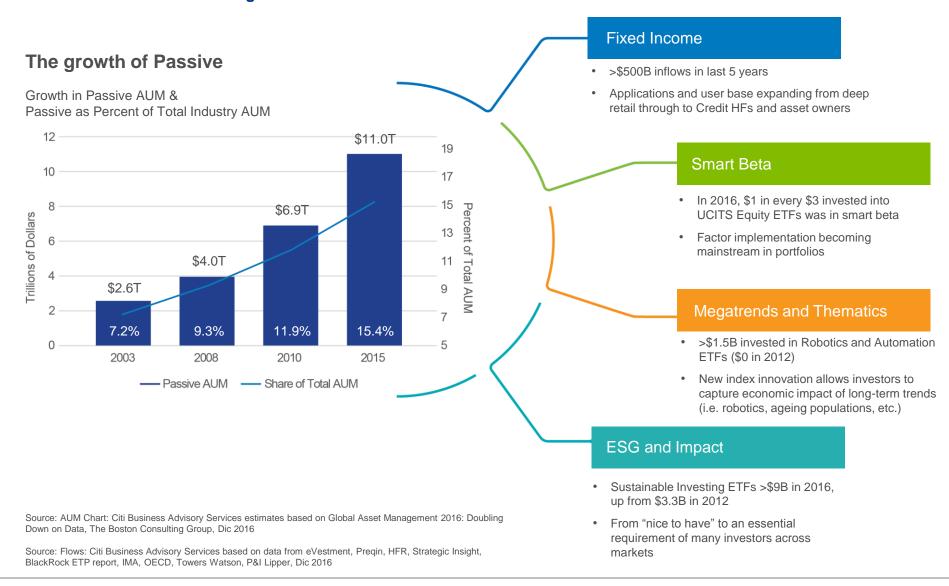
Three forces are disrupting the value chain





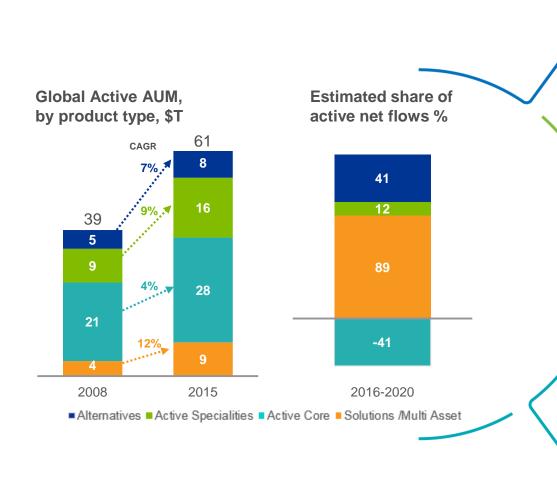
Index Investing Goes Mainstream

As technology and data improves, so does our ability to precisely capture and replicate exposures that allow access to a broader range of investment outcomes





The new Active opportunity



Source: AUM Chart: Citi Business Advisory Services estimates based on Global Asset Management 2016: Doubling Down on Data, The Boston Consulting Group, Dic 2016

Source: Flows: Citi Business Advisory Services based on data from eVestment, Preqin, HFR, Strategic Insight, BlackRock ETP report, IMA, OECD, Towers Watson, P&I Lipper, Dic 2016

Alternatives

- Global assets quadrupled from 2003-2015 (\$2T to \$8T)
- Hedge funds remain a key component of the universe, private asset classes are growing in prominence and Retail clients maintain strong appetite for UCITS alts

Active Specialties

- Growth rate significantly faster than Active Core (2008-2015 CAGR 9% vs. 4%)
- Proven demand for alpha generation and exposures that are difficult to replicate
- Renewed desire to build satellites with high conviction strategies

Solutions / Multi Asset

- In Developed Markets sub-advised AUM grew 17% pa since 2010
- Solutions on the rise, especially given high penetration rates in mass affluent and HNW

Active Core

- Challenged by ETF and index offering
- Forecast to account for -41% of global active asset management flows between 2016-2020
- Next innovation frontier in low cost / low tracking error, catalysed by technology



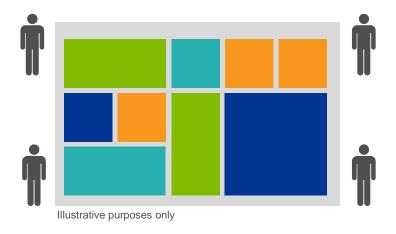
Moving from individual exposures to solutions

Putting the needs of the investor first is becoming mainstream

From a focus on single products and performance..

..to a solution based on outcomes and goals





Factors driving solutions adoption 1

From performance to outcome and goals

2

More scalable approach to client segments

3

Greater ability to explain outcomes to clients

4

Value for money

Source: BlackRock as of June 2016 For illustrative purposes only

Three forces are disrupting the value chain

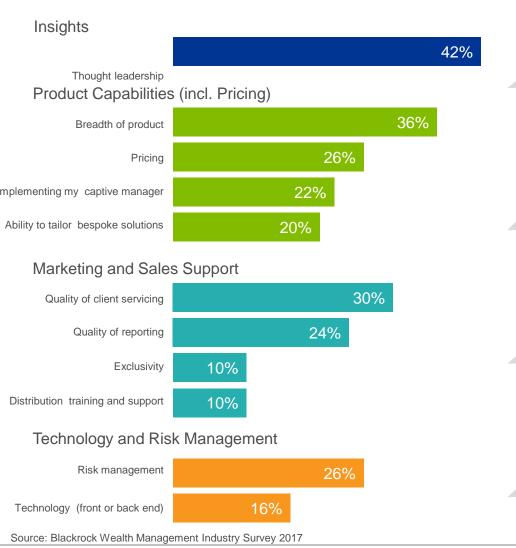




Partnership Model: Wealth managers are asking for more from fewer asset manager partners

Important attributes when partnering with Asset Managers





Service providers differentiate themselves by understanding our business model, taking time to build the relationships with the people within our organization - by listening. Product will be the end result of a deep knowledge of an organization. 77

- Citi Private Bank

1 I expect a quality counterpart to be able to share information; share risk knowledge; work in a value chain to provide a consumer product; and to do that in an open, transparent, fiduciary way at the right price....The real shame is that the vast majority don't think like that and, even when they do, they can't deliver it. 77

- Embark

I need vendors who try to understand my situation before they try to sell in. And that's where the 'partnering' word is very important, that we could develop stuff together, and grow stronger together. 77

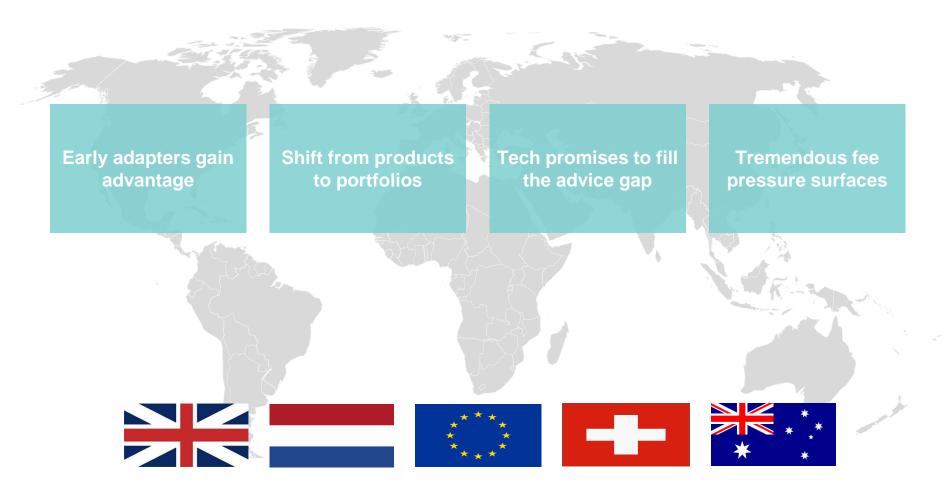
- Danske

4 Performance matters, pricing matters, reputation matters, quality of managers matters. Increasingly, it's the service proposition and the ability for the managers we work with to be aligned in terms of what we're delivering and how we're delivering solutions to our clients. ""

- Citi Consumer Bank

A lot of ongoing industry changes are discussed... but these trends aren't new

What we've learned from regulation shifting our global clients to maintain higher fiduciary standards



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