DEFINING PORTFOLIO RESILIENCE A New Risk Management Framework



Technology Investment Trends: Areas to Maximize Returns

Anders Reinertsen, Head of Asset Owners, Americas, BNY Mellon Dr. Ashby Monk, Executive and Research Director, Stanford Long-Term Investing

Anders Reinertsen

What are some trends you're seeing in technology investment across the asset owner community?

Dr. Ashby Monk

First and foremost, you kind of can't have this moment without talking about generative AI (artificial intelligence). I have seen this remarkable step change in every, let's call it C-suite of these large pensions around the world because people are looking at generative AI and wondering, "Wow, is my job at threat here?" The good news is I don't think your job's in threat. It might help you write, you know, reports to staff or something like that. But it's not going to help you make investment decisions.

So, in the case of ChatGPT, I heard a chief executive officer of a large pension fund say, "My gosh, I can just have it write my annual report instead of hiring a consultant to write my annual report." Maybe. But to me that's a little bit of a waste. I think replacing a consultant, you know, maybe you save a little bit of money, changing a portfolio and you open up opportunities to generate a lot more money. And so, the trends right now are to think in terms of technology versus human beings. And I think the future is technology to change portfolios.

And ultimately, that's the true test of an investment technology. Does it empower you to make a smarter investment decision? Does it change what you hold? So the process of building technology should reveal something to you that drives a change in what you hold. That's how you know you've really invested in the right technology.

I think right now the trends are towards portfolio positioning systems. So, investing heavily in ingesting, cleaning and presenting data on your portfolio. So, that's the most kind of, let's call it basic, even though it's highly complex. Part of the moment right now in investment technology is like we're just trying to figure out what we're doing with our portfolio positioning system. We give it to chief investment officers. They look at their dashboards and they say "Okay, yep," but soon you're going to start realizing things that are more sophisticated, like "Oh wow, I didn't realize I was holding that risk," or, "Oh wow, I didn't realize I had that manufacturing exposure in Indonesia in consumer retail." I don't know. You know, these are the types of slicing and dicing of the portfolio that will help bring you towards that blue flashing dot. The blue flashing dot is going to be there for your portfolio very soon. And once it is, you're going to look at it and you're going to say, "Oh my gosh, I made the wrong turn." That is the test of fabulous technology. "I've made the wrong turn. I am changing my portfolio." And so right now, you see a lot of organizations kind of wringing their hands about spending one basis point of AUM (assets under management) on technology. If you can hold 1% less cash because of your technology, because you were really sure on where you are, that one basis point is going to feel like nothing.

Anders Reinertsen

Is there a specific area that they should be investing in in order to ensure that return is maximized for their one or two basis points?

Dr. Ashby Monk

Absolutely. So, our goal with the technology, as I mentioned briefly a moment ago is to change portfolios. So, we want you to build technology that reveals something about your portfolio that you didn't know and that triggers either a decision to keep it or to change it. That's valuable technology.

bnymellon.com

BNY Mellon is the corporate brand of The Bank of New York Mellon Corporation and may be used to reference the corporation as a whole and/or its various subsidiaries generally. This material does not constitute a recommendation by BNY Mellon of any kind. The information herein is not intended to provide tax, legal, investment, accounting, financial or other professional advice on any matter, and should not be used or relied upon as such. The views expressed within this material are those of the contributors and not necessarily those of BNY Mellon. BNY Mellon has not independently verified the information contained in this material and makes no representation as to the accuracy, completeness, timeliness, merchantability or fitness for a specific purpose of the information provided in this material. BNY Mellon assumes no direct or consequential liability for any errors in or reliance upon this material.

The Bank of New York Mellon, a banking corporation organized pursuant to the laws of the State of New York, whose registered office is at 240 Greenwich St, NY, NY 10286, USA. The Bank of New York Mellon is supervised and regulated by the New York State Department of Financial Services and the US Federal Reserve and is authorized by the Prudential Regulation Authority (PRA).

The Bank of New York Mellon operates in the UK through its London branch (UK companies house numbers FC005522 and BR000818) at 160 Queen Victoria Street, London, EC4V 4LA and is subject to regulation by the Financial Conduct Authority (FCA) at 12 Endeavour Square, London, E20 1JN, UK and limited regulation by the Prudential Regulation Authority at Bank of England, Threadneedle St, London, EC2R 8AH, UK. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request.

The Bank of New York Mellon SA/NV, a Belgian limited liability company, registered in the RPM Brussels with company number 0806.743.159, whose registered office is at Boulevard Anspachlaan 1, B-1000 Brussels, Belgium, authorized and regulated as a significant credit institution by the European Central Bank (ECB) at Sonnemannstrasse 20, 60314 Frankfurt am Main, Germany, and the National Bank of Belgium (NBB) at Boulevard de Berlaimont/de Berlaimontlaan 14, 1000 Brussels, Belgium, under the Single Supervisory Mechanism and by the Belgian Financial Services and Markets Authority (FSMA) at Rue du Congrès/Congresstraat 12-14, 1000 Brussels, Belgium for conduct of business rules, and is a subsidiary of The Bank of New York Mellon.

The Bank of New York Mellon SA/NV operates in Ireland through its Dublin branch at Riverside II, Sir John Rogerson's Quay Grand Canal Dock, Dublin 2, D02KV60, Ireland and is registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E. The Bank of New York Mellon SA/NV, Dublin Branch is subject to limited additional regulation by the Central Bank of Ireland at New Wapping Street, North Wall Quay, Dublin 1, D01 F7X3, Ireland for conduct of business rules and registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E.

The Bank of New York Mellon SA/NV is trading in Germany as The Bank of New York Mellon SA/NV, Asset Servicing, Niederlassung Frankfurt am Main, and has its registered office at MesseTurm, Friedrich-Ebert-Anlage 49, 60327 Frankfurt am Main, Germany. It is subject to limited additional regulation by the Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, Marie-Curie-Str. 24-28, 60439 Frankfurt, Germany) under registration number 122721.

The Bank of New York Mellon SA/NV operates in the Netherlands through its Amsterdam branch at Claude Debussylaan 7, 1082 MC Amsterdam, the Netherlands. The Bank of New York Mellon SA/NV, Amsterdam Branch is subject to limited additional supervision by the Dutch Central Bank ('De Nederlandsche Bank' or 'DNB') on integrity issues only (registration number 34363596). DNB holds office at Westeinde 1, 1017 ZN Amsterdam, the Netherlands.

The Bank of New York Mellon SA/NV operates in Luxembourg through its Luxembourg branch at 2-4 rue Eugene Ruppert, Vertigo Building - Polaris, L- 2453, Luxembourg. The Bank of New York Mellon SA/NV, Luxembourg Branch is subject to limited additional regulation by the Commission de Surveillance du Secteur Financier at 283, route d'Arlon, L-1150 Luxembourg for conduct of business rules, and in its role as UCITS/AIF depositary and central administration agent.

The Bank of New York Mellon SA/NV operates in France through its Paris branch at 7 Rue Scribe, Paris, Paris 75009, France. The Bank of New York Mellon SA/NV, Paris Branch is subject to limited additional regulation by Secrétariat Général de l'Autorité de Contrôle Prudentiel at Première Direction du Contrôle de Banques (DCB 1), Service 2, 61, Rue Taitbout, 75436 Paris Cedex 09, France (registration number (SIREN) Nr. 538 228 420 RCS Paris - CIB 13733).

The Bank of New York Mellon SA/NV operates in Italy through its Milan branch at Via Mike Bongiorno no. 13, Diamantino building, 5th floor, Milan, 20124, Italy. The Bank of New York Mellon SA/NV, Milan Branch is subject to limited additional regulation by Banca d'Italia - Sede di Milano at Divisione Supervisione Banche, Via Cordusio no. 5, 20123 Milano, Italy (registration number 03351).

The Bank of New York Mellon SA/NV operates in Spain through its Madrid branch with registered office at Calle José Abascal 45, Planta 4^a, 28003, Madrid, and enrolled on the Reg. Mercantil de Madrid, Tomo 41019, folio 185 (M-727448). The Bank of New York Mellon, Sucursal en España is registered with Banco de España (registration number 1573).

The Bank of New York Mellon SA/NV operates in Denmark as The Bank of New York Mellon SA/NV, Copenhagen Branch, filial af The Bank of New York Mellon SA/NV, Belgien, and has its registered office at Tuborg Boulevard 12/3, 2900 Hellerup, Denmark (CVR number: 41820063). It is subject to limited additional regulation by the Danish Financial Supervisory Authority (Finanstilsynet, Århusgade 110, 2100 KøbenhavnØ).

BNY Mellon Fund Services (Ireland) Designated Activity Company is registered in Ireland No 218007, VAT No. IE8218007 W with a registered office at One Dockland Central, Guild Street, IFSC, Dublin 1. BNY Mellon Fund Services (Ireland) Designated Activity Company is regulated by the Central Bank of Ireland.

The Bank of New York Mellon (International) Limited is registered in England & Wales with Company No. 03236121 with its Registered Office at 160 Queen Victoria Street, London, EC4V 4LA. The Bank of New York Mellon (International) Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

BNY Mellon Saudi Financial Company is regulated by the Capital Market Authority, and licensed to conduct custody in securities activities, License number 20211-04, located in Alfaisaliah Tower, 18th Floor, King Fahad Road, P.O. Box 99936 Riyadh 11625, Kingdom of Saudi Arabia.

Regulatory information in relation to the above BNY Mellon entities operating out of Europe can be accessed at the following website: https://www.bnymellon.com/RID.

The Bank of New York Mellon has various subsidiaries, affiliates, branches and representative offices in the Asia-Pacific Region which are subject to regulation by the relevant local regulator in that jurisdiction. Details about the extent of our regulation and applicable regulators in the Asia-Pacific Region are available from us on request. Among others, The Bank of New York Mellon, Singapore Branch is subject to regulation by the Monetary Authority of Singapore. The Bank of New York Mellon, Hong Kong Branch (a banking corporation organized and existing under the laws of the State of New York with limited liability) is subject to regulation by the Hong Kong Monetary Authority and the Securities & Futures Commission of Hong Kong. The Bank of New York Mellon, Shanghai and Beijing branches are subject to regulation by the China Banking and Insurance Regulatory Commission. The Bank of New York Mellon, Seoul Branch is subject to regulation by the Financial Supervisory Commission R.O.C. (Taiwan) and Central Bank of the Republic of China (Taiwan).

The Bank of New York Mellon is regulated by the Australian Prudential Regulation Authority and also holds an Australian Financial Services Licence No. 527917 issued by the Australian Securities and Investments Commission to provide financial services to wholesale clients in Australia.

The Bank of New York Mellon Securities Company Japan Ltd, subject to supervision by the Financial Services Agency of Japan, acts as intermediary in Japan for The Bank of New York Mellon and its affiliates, with its registered office at Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-1005, Japan. If this material is distributed in, or from, the Dubai International Financial Centre ("DIFC"), it is communicated by The Bank of New York Mellon, DIFC Branch, regulated by the DFSA and located at DIFC, The Exchange Building 5 North, Level 6, Room 601, P.O. Box 506723, Dubai, UAE, on behalf of The Bank of New York Mellon, which is a wholly-owned subsidiary of The Bank of New York Mellon Corporation. This material is intended for Professional Clients and Market Counterparties only and no other person should act upon it.

Past performance is not a guide to future performance of any instrument, transaction or financial structure and a loss of original capital may occur. Calls and communications with BNY Mellon may be recorded, for regulatory and other reasons.

Disclosures in relation to certain other BNY Mellon group entities can be accessed at the following website: http://disclaimer.bnymellon.com/eu.htm.

This document and the statements contained herein, are not an offer or solicitation to buy or sell any products (including financial products) or services or to participate in any particular strategy mentioned and should not be construed as such. This material is intended for wholesale/professional clients (or the equivalent only), is not intended for use by retail clients and no other person should act upon it. Persons who do not have professional experience in matters relating to investments should not rely on this material. BNY Mellon will only provide the relevant investment services to investment professionals.

Not all products and services are offered in all countries.

If distributed in the UK, this material is a financial promotion. If distributed in the EU, this material is a marketing communication.

This material, which may be considered advertising, is for general information purposes only and is not intended to provide legal, tax, accounting, investment, financial or other professional advice on any matter. This material does not constitute a recommendation or advice by BNY Mellon of any kind. Use of our products and services is subject to various regulations and regulatory oversight. You should discuss this material with appropriate advisors in the context of your circumstances before acting in any manner on this material or agreeing to use any of the referenced products or services and make your own independent assessment (based on such advice) as to whether the referenced products or services are appropriate or up to date and there is no undertaking as to the accuracy, timeliness, completeness or fitness for a particular purpose of information given. BNY Mellon will not be responsible for updating any information contained within this material and opinions and information contained herein are subject to change without notice. BNY Mellon assumes no direct or consequential liability for any errors in or reliance upon this material.

This material may not be distributed or used for the purpose of providing any referenced products or services or making any offers or solicitations in any jurisdiction or in any circumstances in which such products, services, offers or solicitations are unlawful or not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements.

© 2023 The Bank of New York Mellon Corporation. All rights reserved.