## Real Estate Research

December 2025



# U.S. Property Performance Monitor

#### Third Quarter 2025

#### IN A NUTSHELL -

- Private core real estate maintained its recovery momentum in Q3 2025, posting a 1.2% total return fueled by income, as capital values held steady. The rolling four-quarter return rose to 4.7% from 4.3% in the previous quarter.
- Retail remained the best performing sector in the expanded NCREIF Property Index (NPI). Residential continued to outperform
   Industrial, while Office lagged. Niche property sectors also outperformed the index.
- While market performance varied by property type, the South and Midwest led the pack followed by the East. The West lagged the broader index.

## Private Real Estate Property Returns<sup>1</sup>

- Private core real estate continued its positive trajectory as it printed another quarter of improving total returns (1.2%). The total return
  was entirely driven by stable income returns while capital returns were flat for a third consecutive quarter. On an annual basis, the
  benchmark returned 4.7%.
- The index recorded improving performance over the trailing four quarters with some property types faring better than others. Retail maintained its dominance with a return of 7.0%. Residential followed (5.3%), supported by strong demand, on average, over the past 12 months. Industrial returns (4.5%) remained flat as West Coast weakness weighed on overall performance. Although Office lagged the benchmark (1.9%), positive returns could suggest that the worst is behind us.<sup>2</sup>
- Fundamentals were mixed. Vacancy for the benchmark was 7.3%, still outperforming its long-term historical average (8.4%). Year-over-year Net Operating Income (NOI) growth (1.5%) was below its historical average (3.1%), dragged down primarily by declines in Office (6.9%).
- The West, a long-term outperformer, suffered weakness in Los Angeles, San Francisco, and Seattle. The Midwest (primarily Chicago),
   a traditional laggard, fared better. Several southern markets, including Dallas and Miami, continued to outperform.

The brand DWS represents DWS Group GmbH & Co. KGaA and any of its subsidiaries, such as DWS Distributors, Inc., which offers investment products, or DWS Investment Management Americas, Inc. and RREEF America L.L.C., which offer advisory services.

Please note certain information in this presentation constitutes forward-looking statements. Due to various risks, uncertainties and assumptions made in our analysis, actual events or results or the actual performance of the markets covered by this presentation report may differ materially from those described. The information herein reflects our current views only, is subject to change, and is not intended to be promissory or relied upon by the reader. There can be no certainty that events will turn out as we have opined herein.

Marketing Material. In EMEA for Professional Clients (MiFID Directive 2014/65/EU Annex II) only; no distribution to private/retail customers. In Switzerland for Qualified Investors (art. 10 Para. 3 of the Swiss Federal Collective Investment Schemes Act (CISA)). In APAC and LATAM, for institutional investors only. In Australia and New Zealand for Wholesale Investors only. In MENA for professional Clients. Further distribution of this material is strictly prohibited. For business customers only.

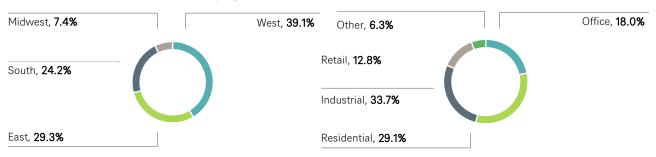
In North America, for institutional use and registered representative use only. Not for public viewing or distribution. In Israel for Qualified Clients (Israeli Regulation of Investment Advice, Investment Marketing and Portfolio Management Law 5755-1995). For investors in Bermuda: This is not an offering of securities or interests in any product. Such securities may be offered or sold in Bermuda only in compliance with the provisions of the Investment Business Act of 2003 of Bermuda which regulates the sale of securities in Bermuda.

<sup>&</sup>lt;sup>1</sup> All real estate performance and operational metrics refer to the Expanded NCREIF Property Index (NPI). As of September 30, 2025

<sup>&</sup>lt;sup>2</sup> Bond returns are calculated using the Barclay U.S. Aggregate Index. Broad equity returns are calculated using the S&P 500. Past performance is not a guarantee of future results.

#### **NPI Market Capitalization**

Index market value U.S. \$ 903.6 billion - Property count 12,860



Source: NCREIF (Expanded NPI). As of September 30, 2025.

#### **Recent Performance Trends**

	Quarter	12 months trailing		
	3Q 2025	3Q 2025	2Q 2025	
Private Real Estate (Expanded NPI)	1.2%	4.7%	4.3%	
Broad Equities (large cap)	8.1%	17.6%	8.3%	
Bonds	2.0%	2.9%	4.9%	
Listed Real Estate	2.7%	-4.0%	9.2%	
10-Year Treasury <sup>1</sup>	4.2%	4.2%	4.2%	
CPI (SA)	0.9%	3.0%	2.4%	

<sup>&</sup>lt;sup>1</sup>These figures represent annual yields

Sources: NCREIF (Expanded NPI), S&P 500 (Broad Equities), Barclay's U.S. Aggregate Bond Index (Bonds), NAREIT (Listed Real Estate), BLS (CPI) and Federal Reserve (10 yr Treasury). As of September 30, 2025.

## NCREIF Property Index (Expanded NPI) Performance by Sector <sup>3</sup>

- Retail trailing four quarter returns of 7.0% outperformed the benchmark by 230 bps. In a continuation of trends, malls (6.9%) and strip retail (8.0%) led the subindex while street retail (1.7%) underperformed. Consistent with the return profile, vacancies for strip retail (6.3%) were below their long-term average (7.3%), while those of street retail (11.8%) were significantly above (5.7%).
- Residential was the second-best performing sector, generating total returns of 5.3%, 60 bps above the benchmark. The rental residential market continues to benefit from long-term affordability advantages over home ownership. Apartments, making up 92% of the index, generated 5.3% in total returns, tracking the subindex. Student housing returns were moderate, at 4.6%.
- Industrial slightly underperformed the benchmark on an annual basis, lagging for the first time in 12 years. Total returns of 4.5% were 20 bps below the overall index. Fundamentals softened, as new deliveries coupled with subdued demand particularly in Southern California pushed vacancies up by 20 bps to 4.3%. Trailing four-quarter NOI growth (5.2%) was the highest in the benchmark, as rents rolled up to higher market levels.
- While Office continued to lag the benchmark, trailing four-quarter returns (1.9%) continued to improve. Year-over-year NOI growth (6.9%) was still negative amid high leasing costs and negative lease rolls. Additionally, performance varied across subtypes. CBD returns improved significantly (2.3%) as certain markets, such as Manhattan, showed signs of stabilization. Suburban (3.9%) remained most resilient while Urban (0.2%) and Secondary Business District (0.8%) struggled. Medical office facilities, insulated from remote work, generated stronger returns (5.7%), benefiting from outpatient healthcare spending. Life Sciences (-1.1%) was the biggest laggard in the subindex.

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions, and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS International GmbH.

<sup>&</sup>lt;sup>3</sup> All real estate performance and operational metrics refer to the Expanded NPI as the benchmark/index as of September 30, 2025.

## **Detailed Property Type Expanded NPI Performance**

	Market value	Share of NPI	Trailing four quarters (2Q 2025)			
	U.S.\$ (Mil)	Share of NPI	Total return	Income	Capital	
Residential						
Apartment	240,472	26.7%	5.3%	4.5%	0.8%	
Student Housing	11,462	1.3%	4.6%	5.1%	-0.6%	
Single Family Rental	8,414	0.9%	4.0%	3.9%	0.1%	
Manufactured Housing	2,399	0.3%	11.6%	3.6%	7.8%	
Residential Total	262,747	29.1%	5.3%	4.5%	0.8%	
Industrial						
Warehouse	273,355	30.3%	4.5%	4.1%	0.3%	
Specialized	19,571	2.2%	6.1%	4.1%	2.0%	
Flex	7,479	0.8%	4.1%	4.6%	-0.5%	
Manufacturing	2,603	0.3%	7.1%	4.3%	2.7%	
Life Science	1,126	0.1%	-0.3%	4.6%	-4.7%	
Industrial Total	304,133	33.7%	4.5%	4.1%	0.4%	
Office						
CBD	74,506	8.3%	2.3%	5.8%	-3.4%	
Urban	23,199	2.6%	0.2%	6.5%	-6.0%	
Life Science	21,988	2.4%	-1.1%	4.6%	-5.6%	
Medical Office	19,743	2.2%	5.7%	5.7%	0.0%	
Suburban	13,083	1.5%	3.9%	7.0%	-2.9%	
Secondary Business District	10,044	1.1%	0.8%	6.5%	-5.5%	
Office Total	162,562	18.0%	1.9%	5.9%	-3.8%	
Retail						
Strip	53,874	6.0%	8.0%	5.8%	2.0%	
Mall	54,204	6.0%	6.9%	5.5%	1.3%	
Street	7,344	0.8%	1.7%	4.5%	-2.7%	
Retail Total	115,422	12.8%	7.0%	5.6%	1.4%	
Other						
Self Storage	23,491	2.6%	6.1%	4.4%	1.7%	
Seniors Housing	12,678	1.4%	9.2%	5.5%	3.6%	
Other	17,395	1.9%	7.8%	3.8%	3.9%	
Hotel	3,694	0.4%	3.5%	6.8%	-3.1%	
Other Total	57,258	6.3%	7.1%	4.6%	2.4%	
Expanded NPI Total	902,122	100%	4.7%	4.8%	-0.1%	

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions, and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS International GmbH.

Source: Expanded NCREIF Property Index as of September 30, 2025. Past performance is not indicative of future returns.

#### **Returns by Property Type and Region**

Annual returns								Standard deviation		
	Total	Income	Apprec.	3 years	5 years	10 years	20 years	Since inception <sup>4</sup>	20 years	Since inception⁵
Property type										
Residential	5.3%	4.5%	0.8%	-1.6%	4.9%	5.3%	6.4%	9.5%	9.7%	8.0%
Industrial	4.5%	4.1%	0.4%	-0.6%	11.8%	12.1%	10.0%	10.1%	12.3%	9.2%
Office	1.9%	5.9%	-3.8%	-9.0%	-3.8%	0.9%	4.4%	6.9%	11.0%	10.1%
Retail	7.0%	5.6%	1.4%	2.6%	3.0%	3.0%	6.0%	8.4%	8.0%	7.0%
Other	7.1%	4.6%	2.4%	2.4%	7.3%	7.4%	8.2%	8.1%	8.9%	8.8%
Total Index	4.7%	4.8%	-0.1%	-2.3%	3.9%	5.1%	6.6%	8.4%	9.4%	7.8%
Region										
East	5.0%	4.8%	0.2%	-2.8%	2.3%	3.6%	5.6%	8.9%	9.5%	9.2%
Midwest	6.5%	5.0%	1.4%	-0.4%	3.3%	3.8%	5.5%	7.3%	7.4%	6.1%
South	6.5%	4.8%	1.6%	0.7%	6.7%	6.4%	7.4%	8.0%	8.5%	7.0%
West	3.1%	4.7%	-1.5%	-4.0%	3.7%	5.9%	7.4%	9.0%	10.6%	8.8%
Total Index	4.7%	4.8%	-0.1%	-2.3%	3.9%	5.1%	6.6%	8.4%	9.4%	7.8%
Source: Expanded										

## Market Analysis – Benchmark Insights and Portfolio Implications

The NCREIF Property Index is a value-weighted index of property returns and as such, a large portion of the index is located in just 20 markets. Local economic growth will affect properties located in the same market similarly, so we can estimate the effect of property geographical location on the overall index. Large metros, by value, will likely have the largest impact on the index, although small metros with particularly strong or weak performance may boost or weigh on returns from time to time. The tables on the following page list out which markets had the strongest positive and negative effect on returns during the past four quarters.

#### Residential

Over the past 12 months, a few markets in the Sun Belt (e.g. Houston, Tampa, Ft. Lauderdale, Miami) were positive contributors to total return.<sup>6</sup> However, those still working through supply (Phoenix, Atlanta, Austin) were a drag on the subindex. On the West Coast, San Francisco (6.9%) outperformed while Los Angeles (2.6%) lagged. Large gateway markets elsewhere (New York, Chicago, Washington, DC, Boston) outperformed the subindex, benefiting from a lack of supply. Miami (8.1%) and Orange County (8.1%) were among the best-performing major markets in the country.

#### Industrial

Most markets within the industrial sector outperformed the benchmark. The biggest laggards continued to be Southern California markets (Orange County, Los Angeles, Riverside) that are grappling with tepid demand amid tariff uncertainty; these markets make up 23% of the index. Sun Belt markets exhibited some of the highest returns, with Atlanta (9.6%), Miami (9.3%), Houston (12.2%), and Dallas (7.9%) leading by a large margin. Chicago (9.0%) also benefited from moderate new supply and relatively stable demand.

#### Office

While most markets recorded weak returns amid challenged fundamentals, some fared better than others. Sun Belt markets benefiting from corporate relocations and demographic tailwinds (e.g., Dallas, Tampa, Houston, Miami) outperformed the subindex. Certain tech-concentrated West Coast markets (e.g., Seattle, San Francisco) remained at the bottom of the pack. Washington, DC also lagged, possibly

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions, and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS International GmbH.

<sup>&</sup>lt;sup>4</sup> Index returns start in 1978, equivalent to a 48 year calculation.

<sup>&</sup>lt;sup>5</sup> Index returns start in 1978, equivalent to a 48 year calculation.

<sup>&</sup>lt;sup>6</sup> Past 12 months ending September 30, 2025.

reflecting the impact of federal job cuts on fundamentals. New York strengthened significantly as Class A buildings continued to attract tenants.

#### Retail

Gateway markets experiencing out-migration (e.g., San Francisco, Orange County, Washington, DC) generally underperformed the subindex. Those with more neighborhood and community centers, benefiting from demographic tailwinds (e.g., Orlando, Atlanta, Phoenix), fared better. On the West Coast, San Diego (11.5%) and San Jose (8.6%) outperformed, while Seattle (3.8%) and San Francisco (2.2%) lagged.

R	esidential		In	dustrial			Office			Retail	
Metro	Metro returns <sup>7</sup>	Impact on sector returns	Metro	Metro returns <sup>8</sup>	Impact on sector returns	Metro	Metro returns <sup>9</sup>	Impact on sector returns	Metro	Metro re- turns <sup>10</sup>	Impact on sector returns
Washington, DC	7.6%	17	Chicago	9.0%	26	New York	4.3%	34	San Diego	11.5%	23
Seattle	7.6%	11	Dallas	7.9%	21	Los Angeles	4.7%	20	Phoenix	10.0%	10
Boston	6.9%	10	Atlanta	9.6%	19	Dallas	5.6%	10	Atlanta	9.3%	6
Chicago	7.0%	8	Miami	9.3%	17	Tampa	9.4%	6	San Jose	8.6%	5
Miami	8.1%	7	Houston	12.2%	15	Orange County	3.9%	3	New York	8.2%	4
San Diego	7.8%	6	Phoenix	7.1%	5	Austin	3.5%	3	Chicago	7.6%	3
Orange County	8.1%	6	Philadelphia	7.4%	5	Miami	3.5%	2	Orlando	7.4%	1
San Fran- cisco	6.9%	4	Charlotte	7.2%	4	Houston	2.4%	1	Dallas	7.0%	0
New York	5.8%	4	Portland	7.0%	3	San Jose	2.0%	0	Riverside	6.8%	-1
Houston	6.7%	4	Denver	5.8%	2	Denver	1.7%	0	Las Vegas	6.8%	-2
Tampa	5.7%	1	Baltimore	5.2%	1	Raleigh	0.8%	-1	Houston	6.7%	-2
Fort Lauder- dale	5.6%	1	New York	4.6%	0	Chicago	1.6%	-1	Oakland	6.2%	-3
Orlando	5.1%	0	Boston	4.7%	0	Atlanta	0.6%	-2	Miami	5.8%	-3
Dallas	4.9%	-2	Oakland	4.5%	0	Charlotte	-2.3%	-4	Baltimore	4.1%	-6
Charlotte	3.9%	-3	Las Vegas	3.6%	-1	San Diego	-0.2%	-7	Orange County	4.8%	-6
Phoenix	2.9%	-7	San Diego	2.6%	-3	Oakland	-2.6%	-9	Los Ange- les	5.8%	-7
Denver	3.4%	-10	Seattle	2.4%	-10	San Fran- cisco	0.7%	-12	Boston	4.0%	-8
Los Angeles	2.6%	-15	Orange County	-0.1%	-15	Seattle	-1.1%	-15	Seattle	3.8%	-9
Atlanta	2.5%	-16	Los Angeles	-2.5%	-68	Washington, DC	0.6%	-15	San Fran- cisco	2.2%	-9
Austin	0.7%	-18	Riverside	-2.7%	-101	Boston	-0.2%	-33	Washing- ton, DC	5.4%	-11

<sup>&</sup>lt;sup>7</sup> Four-quarter cumulative returns ending September 30, 2025.

<sup>&</sup>lt;sup>8</sup> Four-quarter cumulative returns ending September 30, 2025.

<sup>&</sup>lt;sup>9</sup> Four-quarter cumulative returns ending September 30, 2025.

<sup>&</sup>lt;sup>10</sup> Four-quarter cumulative returns ending September 30, 2025.

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions, and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS International GmbH.

## **Appendix - Historical Performance**

	12 months trailing								
	9/30/2025	9/30/2024	9/30/2023	9/30/2022	9/30/2021				
Private Real Estate (Expanded NPI)	4.7%	-3.3%	-8.0%	16.0%	12.0%				
Broad Equities (large cap)	17.6%	36.4%	21.6%	-15.5%	30.0%				
Bonds	2.9%	11.6%	0.6%	-14.6%	-0.9%				
Listed Real Estate	-4.0%	34.8%	-1.7%	-16.3%	31.5%				
10-Year Treasury <sup>11</sup>	4.2%	3.8%	4.6%	3.8%	1.5%				
CPI (SA)	3.0%	2.4%	3.7%	8.2%	5.4%				

Sources: NCREIF (Expanded NPI), S&P 500 (Broad Equities), Barclay's U.S. Aggregate Bond Index (Bonds), NAREIT (Listed Real Estate), BLS (CPI) and Federal Reserve (10 yr Treasury). As of September 30, 2025.

<sup>&</sup>lt;sup>11</sup> These figures represent annual yields.

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions, and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS International GmbH.

## Real Estate Research Team

#### Office Locations

#### Frankfurt

Mainzer Landstrasse 11-17 60329 Frankfurt am Main Germany

Tel: +49 69 71909 0

#### London

45 Cannon Street London, EC4m 5SB United Kingdom Tel: +44 20 754 58000

#### **New York**

875 Third Avenue 26<sup>th</sup> Floor New York NY 10022-6225 United States Tel: +1 212 454 3414

#### San Francisco

101 California Street 24<sup>th</sup> Floor San Francisco CA 94111 United States Tel: +1 415 781 3300

### Singapore

One Raffles Quay South Tower 15<sup>th</sup> Floor Singapore 048583 Tel: +65 6538 7011

#### Tokyo

Azabudai Hills Mori JP Tower 1-3-1 Azabudai Minssato-ku 16<sup>th</sup> Floor Tokyo Japan Tel: +81 3 6730 1300

## **Sydney**

Level 16, Deutsche Bank Place Corner of Hunter and Phillip Streets Sydney NSW 2000 Australia

Tel: +61 2 8258 1234

#### **Teams**

#### Global

## Kevin White, CFA

Global Co-Head of Real Estate Research

#### Simon Wallace

Global Co-Head of Real Estate Research

#### **Americas**

#### **Brooks Wells**

Head of Research, Americas

## Liliana Diaconu, CFA

Office & Retail Research

#### **Ross Adams**

Industrial Research

#### Sharim Sohail

Self-Storage Research

## Europe

#### Ruben Bos, CFA

Head of Real Estate Investment Strategy, Europe

### **Tom Francis**

Property Market Research

#### Siena Golan

Property Market Research

#### **Rosie Hunt**

Property Market Research

## Carsten Lieser

Property Market Research

## Martin Lippmann

Head of Real Estate Research, Europe

## Asia Pacific

#### Koichiro Obu

Head of Real Estate Research, Asia Pacific

## Seng-Hong Teng

Property Market Research

### Hyunwoo Kim

Property Market Research

## Matthew Persson

Property Market Research

## **AUTHORS**



**Kevin White, CFA**Global Co-Head of Real Estate Research



Sharim Sohail Property Market Research

## Important information

#### For North America:

The brand DWS represents DWS Group GmbH & Co. KGaA and any of its subsidiaries, such as DWS Distributors, Inc., which offers investment products, or DWS Investment Management Americas, Inc. and RREEF America L.L.C., which offer advisory services.

This material was prepared without regard to the specific objectives, financial situation or needs of any particular person who may receive it. It is intended for informational purposes only. It does not constitute investment advice, a recommendation, an offer, solicitation, the basis for any contract to purchase or sell any security or other instrument, or for DWS or its affiliates to enter into or arrange any type of transaction as a consequence of any information contained herein. Neither DWS nor any of its affiliates gives any warranty as to the accuracy, reliability or completeness of information which is contained in this document. Except insofar as liability under any statute cannot be excluded, no member of the DWS, the Issuer or any office, employee or associate of them accepts any liability (whether arising in contract, in tort or negligence or otherwise) for any error or omission in this document or for any resulting loss or damage whether direct, indirect, consequential or otherwise suffered by the recipient of this document or any other person.

The views expressed in this document constitute DWS Group's judgment at the time of issue and are subject to change. This document is only for professional investors. This document was prepared without regard to the specific objectives, financial situation or needs of any particular person who may receive it. No further distribution is allowed without prior written consent of the Issuer.

Investments are subject to risk, including market fluctuations, regulatory change, possible delays in repayment and loss of income and principal invested. The value of investments can fall as well as rise and you might not get back the amount originally invested at any point

An investment in real assets involves a high degree of risk, including possible loss of principal amount invested, and is suitable only for sophisticated investors who can bear such losses. The value of shares, units and their derived income may fall or rise.

War, terrorism, sanctions, economic uncertainty, trade disputes, public health crises and related geopolitical events have led, and, in the future, may lead to significant disruptions in US and world economies and markets, which may lead to increased market volatility and may have significant adverse effects on the fund and its investments.

For Investors in Canada. No securities commission or similar authority in Canada has reviewed or in any way passed upon this document or the merits of the securities described herein and any representation to the contrary is an offence. This document is intended for discussion purposes only and does not create any legally binding obligations on the part of DWS Group. Without limitation, this document does not constitute an offer, an invitation to offer or a recommendation to enter into any transaction. When making an investment decision, you should rely solely on the final documentation relating to the transaction you are considering, and not the document contained herein. DWS Group is not acting as your financial adviser or in any other fiduciary capacity with respect to any transaction presented to you. Any transaction(s) or products(s) mentioned herein may not be appropriate for all investors and before entering into any transaction you should take steps to ensure that you fully understand such transaction(s) and have made an independent assessment of the appropriateness of the transaction(s) in the light of your own objectives and circumstances, including the possible risks and benefits of entering into such transaction. You should also consider seeking advice from your own advisers in making this assessment. If you decide to enter into a transaction with DWS Group, you do so in reliance on your own judgment. The information contained in this document is based on material we believe to be reliable; however, we do not represent that it is accurate, current, complete, or error free. Assumptions, estimates, and opinions contained in this document constitute our judgment as of the date of the document and are subject to change without notice. Any projections are based on a number of assumptions as to market conditions and there can be no guarantee that any projected results will be achieved. Past performance is not a guarantee of future results. The distribution of this document and availability of these products and services in certain jurisdictions may be restricted by law. You may not distribute this document, in whole or in part, without our express written permis-

For EMEA, APAC, LATAM & MENA:
DWS is the brand name of DWS Group GmbH & Co. KGaA and its subsidiaries under which they do business. The DWS legal entities offering products or services are specified in the relevant documentation. DWS, through DWS Group GmbH & Co. KGaA, its affiliated companies and its officers and employees (collectively "DWS") are communicating this document in good faith and on the following basis.

This document is for information/discussion purposes only and does not constitute an offer, recommendation, or solicitation to conclude a transaction and should not be treated as investment advice.

This document is intended to be a marketing communication, not a financial analysis. Accordingly, it may not comply with legal obligations requiring the impartiality of financial analysis or prohibiting trading prior to the publication of a financial analysis.

This document contains forward looking statements. Forward looking statements include, but are not limited to assumptions, estimates, projections, opinions, models, and hypothetical performance analysis. No representation or warranty is made by DWS as to the reasonableness or completeness of such forward looking statements. Past performance is no guarantee of future results.

The information contained in this document is obtained from sources believed to be reliable. DWS does not guarantee the accuracy, completeness, or fairness of such information. All third-party data is copyrighted by and proprietary to the provider. DWS has no obligation to update, modify or amend this document or to otherwise notify the recipient in the event that any matter stated herein, or any opinion, projection, forecast, or estimate set forth herein, changes or subsequently becomes inaccurate.

Investments are subject to various risks. Detailed information on risks is contained in the relevant offering documents.

No liability for any error or omission is accepted by DWS. Opinions and estimates may be changed without notice and involve a number of assumptions which may not prove valid. DWS does not give taxation or legal advice.

This document may not be reproduced or circulated without DWS's written authority.

This document is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country, or other jurisdiction, including the United States, where such distribution, publication, availability, or use would be contrary to law or regulation or which would subject DWS to any registration or licensing requirement within such jurisdiction not currently met within such jurisdiction. Persons into whose possession this document may come are required to inform themselves of, and to observe, such restrictions.

#### © 2025 DWS International GmbH

Issued in the UK by DWS Investments UK Limited which is authorised and regulated by the Financial Conduct Authority (Reference number 429806).

#### © 2025 DWS Investments UK Limited

In Hong Kong, this document is issued by DWS Investments Hong Kong Limited and the content of this document has not been reviewed by the Securities and Futures Commission.
© 2025 DWS Investments Hong Kong Limited

In Singapore, this document is issued by DWS Investments Singapore Limited and the content of this document has not been reviewed by the Monetary Authority of Singapore.

© 2025 DWS Investments Singapore Limited

In Australia, this document is issued by DWS Investments Australia Limited (ABN: 52 074 599 401) (AFSL 499640) and the content of this

document has not been reviewed by the Australian Securities Investment Commission.

© 2025 DWS Investments Australia Limited

For investors in Bermuda: This is not an offering of securities or interests in any product. Such securities may be offered or sold in Bermuda only in compliance with the provisions of the Investment Business Act of 2003 of Bermuda which regulates the sale of securities in Bermuda. Additionally, non-Bermudian persons (including companies) may not carry on or engage in any trade or business in Bermuda unless such persons are permitted to do so under applicable Bermuda legislation.

For investors in Taiwan: This document is distributed to professional investors only and not others. Investing involves risk. The value of an investment and the income from it will fluctuate and investors may not get back the principal invested. Past performance is not indicative of future performance. This is a marketing communication. It is for informational purposes only. This document does not constitute investment advice or a recommendation to buy, sell or hold any security and shall not be deemed an offer to sell or a solicitation of an offer to buy any security. The views and opinions expressed herein, which are subject to change without notice, are those of the issuer or its affiliated companies at the time of publication. Certain data used are derived from various sources believed to be reliable, but the accuracy or completeness of the data is not guaranteed, and no liability is assumed for any direct or consequential losses arising from their use. The duplication, publication, extraction, or transmission of the contents, irrespective of the form, is not permitted.

© 2025 DWS Group GmbH & Co. KGaA. All rights reserved. (12/25) 081344 20