



PERSPECTIVES Viewpoint Alternatives

## Venture capital: Assessing the European market

July 28, 2026

Authors:

Ramona Rueckbeil, CFA®, Global Head of Investment Strategy for Alternatives

Wolf Kisker, Senior Investment Strategist

Elena Ahonen, Investment Strategist

Shreenidhi Jayaram, Investment Strategist

Daniel Sacco, Investment Officer for Sustainability

Please use the QR code  
to access a selection of other  
Deutsche Bank CIO reports  
[www.wealth.db.com](http://www.wealth.db.com)



### Key takeaways

- The European venture capital (VC) industry continues to expand, with investment activity remaining relatively strong despite geopolitical and macroeconomic uncertainty. Moreover, firms' access to funding across their lifecycle is improving thanks to increased interest from both institutional and private sources of capital, and further support from EU and domestic fiscal initiatives.
- Europe's role is expanding on the global stage. Europe has emerged as a significant innovation hub, with European start-ups now accounting for roughly 20% of global venture capital activity, up from approximately 5% two decades ago, making it the second-largest VC market globally after the US.
- Innovation in strategic themes is a key driver. Investment is currently flowing into two strategic themes, namely Deep Technologies and Defence Technologies. Sub-segments of Deep Technologies include Quantum Computing, Physical AI, Technologies and Biotechnologies. The Defence Technologies theme includes cybersecurity and drones. Development of these innovative technologies is supported by Europe's broad, existing industrial base, as well as leading research and development capabilities.

### Introduction

Venture capital (VC) is a private market asset class that provides financing to young, high-growth companies, often before they become profitable. Unlike private equity – which typically invests in mature businesses with established revenues and cash flows – venture capital backs early-stage companies by providing them with successive rounds of funding as they scale and progress through key stages of development.

These typically include pre-seed and seed funding, which

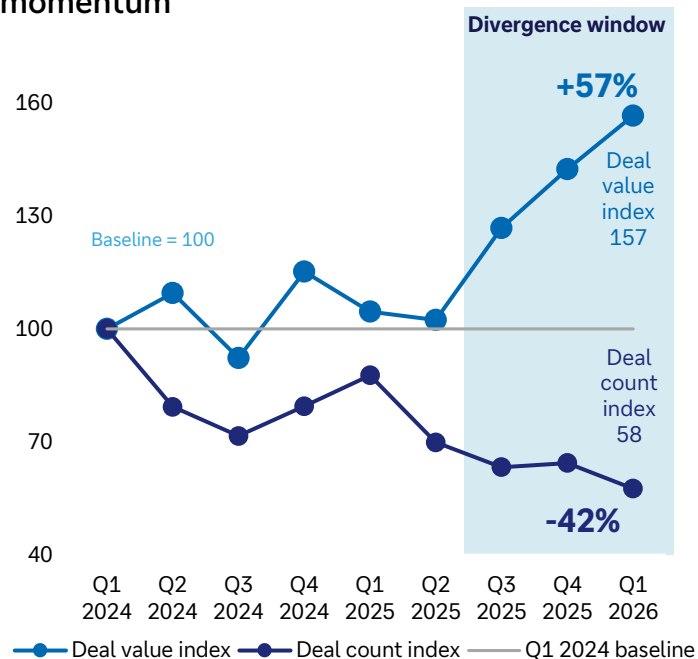
help entrepreneurs to develop a business concept and set up their company, followed by Series A financing to support initial commercialisation, and later Series B, C and subsequent rounds aimed at scaling and accelerating growth. Venture-backed companies are typically expected to scale rapidly, with investors seeking to realise returns through exits, for example via the sale to another private investor or an eventual public listing (IPO).

For investors in venture capital funds, there is generally a time lag between committing capital during the fundraising period and capital calls when capital is eventually invested. Depending on the market environment and the fund's investment strategy, this can take months or years. The return of the sum invested plus proceeds to investors is often referred to as distribution. Key performance indicators for investors include Multiple over Invested Capital (MOIC), Distribution to Paid in (DPI) and Total Value to Paid in (TVPI). More details on the characteristics of this asset class can be found in our PERSPECTIVES Special report, [Venture Capital Investing: returns and diversification](#).

Venture capital is generally considered one of the highest risk segments of private markets due to the uncertainty regarding the success of an early-stage enterprise in particular. In addition, investment horizons in venture capital – even in the case of a successful exit – tend to be long, often leading to holding periods of six years or longer. Moreover, the European capital market is more geographically fragmented than the US capital market, which may prompt companies seeking to raise large sums of equity through a public listing to look across the Atlantic before considering listing in one of the major European markets. Total European deal value has grown while the number of deals has declined over the past year, as illustrated in **Figure 1**, reflecting an overall trend in private markets towards larger but fewer investments.



**Figure 1. European VC market is gaining momentum**



Source: KPMG, Deutsche Bank AG, Data as of March 31, 2026.

## European venture capital: Investment activity has picked up

While the US remains the world's largest venture capital market, Europe has emerged as a significant innovation hub, with European start-ups now accounting for roughly 20% of global venture capital activity, up from approximately 5% two decades ago. Growing investor interest is also reflected in the recent rise of venture capital-backed unicorns across Europe. In the first quarter of 2026, there were 11 start-ups that surpassed the EUR1bn valuation threshold, more than twice as many as in the corresponding period one year earlier. The majority of these start-ups belong to the (physical) AI and defence technology sector. The European VC market tends to be characterised by greater valuation discipline and broader sector and geographic diversification than for example the US market, although the region continues to face challenges in scaling companies and developing late-stage funding markets.

In Q1 2026, European VC investment totalled about EUR25bn, an increase from EUR23bn in Q4 2025, and marking the highest quarterly deal value since Q2 2022. At the same time, global VC investment grew from roughly 130bn in Q4 2025 to EUR330bn in Q1 2026, reflecting the global trend of increased investor appetite

for innovative companies.

Around 60% of European venture capital deal value was related to artificial intelligence, compared with approximately 37% in 2025, reflecting the global trend of surging AI-related dealmaking and fundraising. In addition, dealmaking momentum showed signs of strengthening, particularly in the industrials and manufacturing sectors, which are traditionally viewed as less AI-focused industries. On the other hand, exits got off to a modest start in 2026, with more than 240 exits and a combined exit value of about EUR16bn. While this represented less than 25% of the total exit value recorded in 2025, exit activity remained broadly stable compared with Q4 2025.

The share of AI-related deals in Europe's overall venture capital market remained well below US levels, where roughly 88% of total venture capital deal activity was related to AI. This discrepancy suggests that the European venture capital market is more balanced than its US counterpart. This balance can be considered one of the European VC market's strengths, offering a broader range of investment opportunities across sectors and contributing to the market's overall resilience to external shocks. However, if the share of AI-related dealmaking continues to rise, the risks associated with higher market concentration could also increase.

The European VC market is geographically diverse, with venture capital activity distributed across several regional hubs, which have well-established start-up and venture capital ecosystems. In 2025, around one-third of total venture capital was raised in the United Kingdom and Ireland, while Germany, Austria and Switzerland accounted for approximately 20%. The Nordic countries attracted less than 10% of total investment, while Central and Eastern Europe accounted for less than 5%.

In recent years, several European countries have launched initiatives aimed at leveraging additional support for innovative and growth-oriented domestic companies, particularly in the technology sector. These programmes typically focus on mobilising private capital to finance start-ups during their scale-up phase. Similarly, the European Commission has launched several multinational initiatives to support small business access to venture capital through programmes such as Invest EU and funds such as the European Tech Champions Initiative, which aims to leverage more than EUR372bn in private investment.

In France, a scheme referred to as the French Tibi initiative, which was launched in 2020, seeks to aid the development of the domestic technology sector by channelling private savings into early-stage funds and



breakthrough innovations. As of September 2025, the initiative had helped to raise more than EUR34mn in private savings through private funds, of which EUR16mn had already been deployed. In April 2026, also the German federal government launched an initiative, aiming to help start-up companies gain access to venture capital.

Overall, these developments suggest that the European venture capital market continues to expand. Resilient deal activity, growing participation by institutional investors such as corporates and pension funds as well as private wealth clients, and expanding public support mechanisms point to a more developed funding environment than in previous years. The key test for the market over the coming years, however, will be whether this strong investment activity translates into successful exits via IPOs, acquisitions and secondary transactions. Such exits are essential for generating sustainable returns, enabling investors to return capital to their limited partners and reinvest it across the innovation ecosystem. While capital distributions remain below historical norms – reflecting still-challenging exit conditions – improving funding activity, as reflected in increasing deal values and a gradual recovery in the broader public and private markets, provide reasons for remaining constructive.

## Key investment themes and trends

Two leading themes have been attracting an increasing share of European venture capital investment in the recent past and they are likely to continue receiving the majority of investments over the coming year:

- Deep Technologies include several sub-segments/trends, especially quantum computing, physical AI, clean technology and biotechnology.
- Defence Technologies, such as cybersecurity and drones, have come increasingly into focus against the backdrop of the increased uncertainty of the overall geopolitical situation.

Both themes share the potential to strengthen Europe's competitiveness, technological sovereignty and long-term growth. The following sections highlight key developments, investment trends and opportunities across each of these rapidly evolving areas.

### Theme 1: Deep Tech – Surging deal volumes and emerging opportunities

Deep Tech refers to innovative companies that transform fundamental scientific breakthroughs into practical,

commercially viable solutions. Unlike traditional startups focused on incremental software updates, this sector tackles profound technical challenges through capital-intensive research and development, with the aim of delivering global solutions.

Europe's deep tech landscape is dominated by select strategic geographic hubs. Although Europe accounts for only 5.7% of global deep tech startups, the region still attracts significant venture capital, with the United Kingdom, France and Germany consistently leading the continent in overall funding volume. This dominance is driven by their world-class academic institutions, mature venture capital ecosystems, and targeted government subsidies for research and development. At the city level, Stockholm stands out as Europe's biggest Deep Tech funding hub with a volume of USD25bn between 2015 and 2024. This exceptional funding volume is primarily fuelled by the massive capital requirements of green industrial megaprojects, which is why Sweden's capital city is well ahead of second-placed London, with a volume of USD10bn in the same period.

Although the number of deals has tended to follow a downward trend over the last five quarters, the deal volume has surged since the beginning of last year. This is in line with the overall trend in private markets towards fewer but bigger deals. Europe's commitment to frontier innovation is translating into significant capital allocation. Deep Tech venture funding in the region grew by 86% year-over-year, reaching USD8bn in Q1 2026, up from USD4bn in Q1 2025. This is set to intensify in the future, driven in part by initiatives such as the EUR5bn "Scaleup Europe Fund" of the European Innovation Council which targets late-stage European venture capital firms in sectors such as AI, Biotechnology and CleanTech. The EU is looking to enhance its competitiveness, as described in the report by Mario Draghi published in September 2024. The aim to make Europe a pioneer in the global race for technological leadership is receiving substantial fiscal support that is helping the sector and generating major opportunities.

#### Trend 1: Quantum Computing - Next-generation computing revolution

One sub-segment currently attracting much attention is Quantum Computing. While conventional computer bits can store information as either 0 or 1, quantum computers are able to take on infinite states simultaneously by utilising quantum bits. This multidimensional capability provides quantum computers with exponential processing power. The transition of quantum computing from theory to



real-world application is providing concrete value drivers for the global economy. In the pharmaceutical industry, quantum computing is revolutionising drug discovery by directly modelling highly complex molecular structures, which drastically reduces the time and capital required to bring life-saving medications to market. Similarly, the aerospace sector is leveraging this exponential processing power to run sophisticated aerodynamic simulations and develop next-generation battery chemistries. These are only two examples of industries that may translate quantum computing into tangible competitive advantages and create long-term corporate value. Globally, there are massive capital inflows with a record funding of USD4bn across 127 deals in 2025. European quantum computing startups raised EUR1.5bn in 2025, a 170% increase compared to 2024. A single deal worth USD320mn in Finland in Q1 2025 showed that Europe is becoming an important hub in this area.

#### Trend 2: Physical AI - Manufacturing meets artificial intelligence

European venture capital investment is increasingly flowing into companies operating in the field of so-called

physical artificial intelligence, which combines AI with robotics, humanoids and autonomous vehicles. Several new unicorns are developing physical AI technologies, underlining the sector's growing importance within the European innovation landscape.

Europe's strong manufacturing base could provide a competitive advantage over the US in the development and deployment of physical AI technologies. Europe already boasts extensive industrial datasets, established manufacturing supply chains and a sizeable potential customer base. Around 15–16% of total employment in the EU is concentrated in manufacturing, compared with roughly 8% in the United States. In addition, Europe maintains a strong position in AI research, another key pillar for advancing physical AI. According to a report by the European Commission's Joint Research Centre, 13% of European research institutes, government bodies and scientific publishers focus on AI-related activities, compared with 4% in the US.

Robotics, in particular, is gaining momentum across Europe. According to the IFR World Robotics Report 2025, Germany is the world's fifth-largest robotics

Figure 2: Key investment themes and trends



Source: Deutsche Bank AG, Data as of July 24, 2026.

In Europe, Middle East and Africa as well as in Asia Pacific this material is considered marketing material, but this is not the case in the US. No assurance can be given that any forecast or target can be achieved. Forecasts are based on assumptions, estimates, opinions and hypothetical models which may prove to be incorrect. Past performance is not indicative of future returns. Performance refers to a nominal value based on price gains/losses and does not take into account inflation. Inflation will have a negative impact on the purchasing power of this nominal monetary value. Depending on the current level of inflation, this may lead to a real loss in value, even if the nominal performance of the investment is positive. Investments come with risk. The value of an investment can fall as well as rise and you might not get back the amount originally invested at any point in time. Your capital may be at risk. This document was produced in July 2026.



market and the largest in Europe. The potential applications of robotics and other physical AI technologies span a wide range of industries, including healthcare, manufacturing, logistics, agriculture and services, highlighting the breadth of opportunities created by this emerging field.

### **Trend 3: Biotechnology – Converting scientific leadership into commercial scale**

According to PitchBook, venture capital funding for European biotechnology start-ups in the first half of 2026 has already exceeded three-quarters of the total investment recorded in 2025. With more than EUR800mn invested in the sector over the past six months, total annual deal value is on track to reach its highest level in eight years if current momentum persists.

The sector is also benefiting from increasing public-sector support, such as the Scaleup Europe Fund, that aims to help European innovators scale. Meanwhile gradually improving exit conditions – with Europe recording a third consecutive quarter of higher exit activity – appear to be bolstering investor confidence in later-stage biotechnology and deep-tech companies. Combined with Europe's strong research base and strong manufacturing sector, these developments reinforce biotechnology's position as one of the most interesting long-term opportunities within the European venture capital market.

### **Trend 4: Clean Tech**

Clean tech refers to companies developing technologies that enable the energy transition, industrial decarbonisation, electrification, resource efficiency, and more resilient low carbon value chains. Recent private capital activity suggests investors increasingly view energy infrastructure as a strategic asset class – not only for decarbonisation, but also for energy security, industrial competitiveness, and rapidly rising electricity demand, a topic already highlighted in our recently published report. Europe became a global leader in climate-tech venture capital in Q1 2026, attracting over USD6.5bn in investment, which is around 20% more than North America and at least three times more than in Asia. Renewable energy remains a strategic priority across the region, with growing investor interest in technologies that improve energy resilience, including AI-driven energy management and grid optimisation. As companies navigate competing priorities, climate risk remains a long-term consideration, potentially creating opportunities for long-term investors as capital flows toward technologies that enhance energy security, grid reliability, and industrial resilience.

From a venture capital perspective, investments in

Europe are increasingly being focused on electrification, power flexibility, and industrial resilience. Activity remains concentrated in Germany, France and the Netherlands, reflecting their stronger industrial ecosystems and policy support, while also highlighting the significant growth potential across the rest of Europe as new EU industrial and electrification initiatives take shape. The recently announced Scaleup Europe Fund should further support the ecosystem by providing growth-stage capital to strategic technology sectors, including clean energy, helping successful companies scale within Europe. Ultimately, though, the key test will be whether Europe can scale innovation under conditions of sustained import pressure and asymmetric market access.

### **Theme 2: Defence Technologies – Strategic autonomy and defence modernisation**

Defence Tech has become a critical driver for reshaping national security. Geopolitical conflicts and the need to modernise aging defence assets are driving rapid growth. The sector encompasses new technologies designed for defence operations, border protection, national security and systemic resilience. Defence is often mentioned together with Aerospace as one sector, since the latter also focuses – besides on space vehicles – on advanced satellite constellations, and orbital logistics to secure Europe's technological sovereignty in space.

Many of these innovations emerge as “Dual-use technologies”, leveraging civilian software that can be repurposed for defence applications. Major funding initiatives are channelling significant fiscal resources into the EU's growing ecosystem of defence tech startups. Most notably the EUR 800 billion “ReArm Europe” strategy launched by the European Commission in March 2025, aimed at strengthening defence readiness and defence capabilities by 2030 through massive investments and reduced reliance on external allies.

European defence tech startups experienced exceptional growth during the last year. This momentum is heavily supported with further tailwinds such as government funding programmes such as the EU Defence Innovation Scheme (EUDIS), which provides grants of up to EUR120,000 for defence- and dual-use startups or the European Defence Fund (EDF), that backs the sector with a budget of EUR1bn. These robust fiscal initiatives are expected to remain a permanent fixture, ensuring long-term financial inflows for defence tech.

The defence landscape is currently highly fragmented. By aligning decentralised member-state investments, the EU is integrating its regional capabilities to achieve true technological sovereignty. Furthermore, the European



Union can significantly enhance its technological independence by aligning regional expertise and forming multinational partnerships. France's leadership in aerospace integration is anchored by a highly integrated, state-backed ecosystem of global champions, offering investors a uniquely resilient market. The United Kingdom and Germany have expanded their spending on defence. A major GBP5bn technology investment initiative has been launched by the UK, allocating GBP4bn specifically toward autonomous systems. Germany is benefiting particularly from the Sondervermögen, a debt-financed, EUR100bn off-budget fund created to bypass standard national debt limits. The primary objective of this fund is to rapidly modernise aging military equipment and meet NATO's 2% defence spending target, reflecting a shift in national posture due to the current geopolitical tensions.

One focus segment within Defence Tech is to develop solutions which enable public and private institutions to achieve full-spectrum cyber security capabilities. Since the highly interconnected defence – as well as the broader essential services – infrastructure is a software-reliant ecosystem, cybersecurity solutions aim to safeguard sovereign networks and defence assets from digital sabotage. Today's state-of-the-art technology offers several advantages, such as automation, rapid response and flexibility as well as real-time situational awareness, but it is susceptible to espionage, data

manipulation or communication breakdown. Advances in AI and quantum computing are continually reshaping the cybersecurity landscape, requiring constant innovation and adaptation to stay ahead of evolving threats.

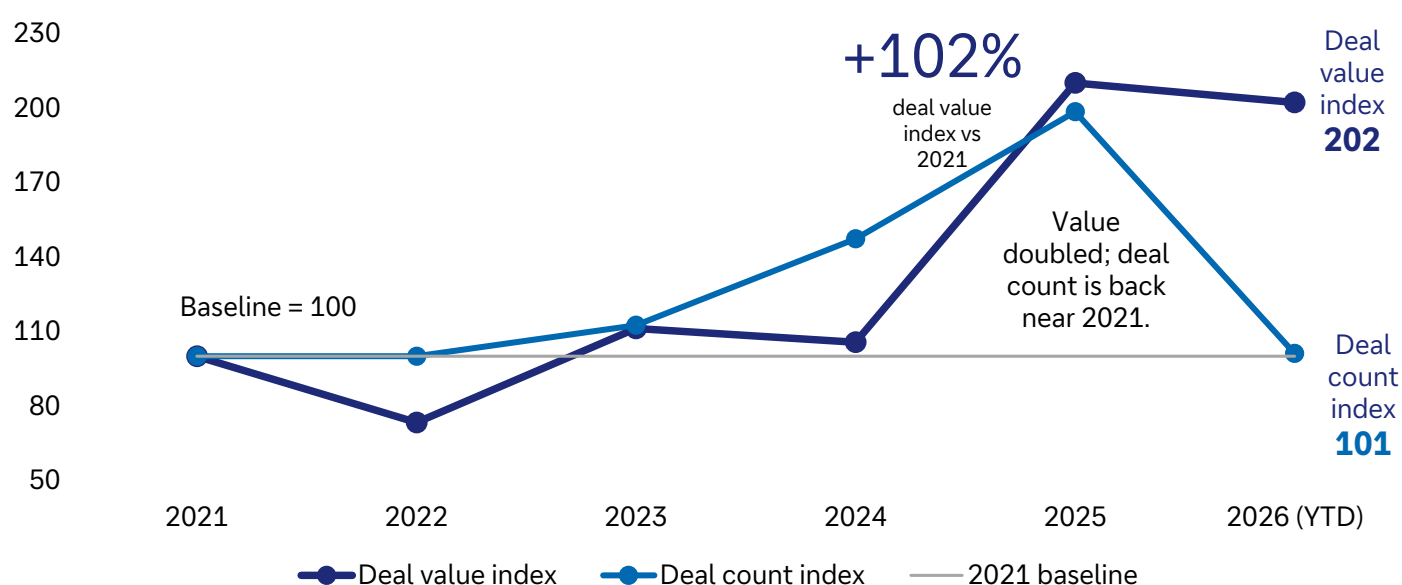
Furthermore, autonomous systems, such as drones, are revolutionising the modern defence landscape and have attracted increasing levels of both investment and public attention. They use the latest technological capabilities such as artificial intelligence to constantly monitor the airspace and thus supersede traditional surveillance assets and systems. They can therefore improve national security and public safety directly, as well as indirectly via effective deterrence.

### The role of the Macro landscape

In general, six macroeconomic drivers – interest rates, available liquidity, business cycles, geopolitical developments, economic growth and sentiment – tend to shape global private capital allocation: where, how much, at what stage, and how quickly capital is deployed. They influence risk premia and the timing of commitments. The drivers in detail can be found in our [\*\*PERSPECTIVES Special – Alternatives: Private markets – the year ahead.\*\*](#)

European venture capital investment continued to expand in H1 2026 despite rising geopolitical tensions. This resilience reflects the fact that many of the sectors attracting capital, such as deep tech and defence tech

**Figure 3: Venture capital funding – European aerospace and defence startups**



Source: PitchBook, Deutsche Bank AG, Data as of June 19, 2026

In Europe, Middle East and Africa as well as in Asia Pacific this material is considered marketing material, but this is not the case in the US. No assurance can be given that any forecast or target can be achieved. Forecasts are based on assumptions, estimates, opinions and hypothetical models which may prove to be incorrect. Past performance is not indicative of future returns. Performance refers to a nominal value based on price gains/losses and does not take into account inflation. Inflation will have a negative impact on the purchasing power of this nominal monetary value. Depending on the current level of inflation, this may lead to a real loss in value, even if the nominal performance of the investment is positive. Investments come with risk. The value of an investment can fall as well as rise and you might not get back the amount originally invested at any point in time. Your capital may be at risk. This document was produced in July 2026.



are closely aligned with Europe's efforts to strengthen competitiveness, technological sovereignty and long-term economic resilience.

The re-opening of the Strait of Hormuz remains of the utmost importance, as it would help lower global inflation risks while improving the growth outlook.

At the time of writing, we expect global growth to moderate to around 3.1% in 2026 – consistent with a soft-landing environment – before reaccelerating to 3.3% in 2027. Inflation, however, is likely to remain somewhat elevated in the near term before easing gradually as supply conditions normalise. In the US, growth should prove resilient despite the temporary inflationary impact of the Middle East conflict. Domestic demand remains supported mainly by deregulation and strong investment, particularly in AI-related infrastructure. However, the recent energy-driven uptick in headline inflation calls for ongoing caution. The Fed is therefore likely to remain on hold in the coming months, relying on incoming data to confirm the temporary nature of inflation pressures and avoiding any pre-commitment to a specific policy path. Potential rate cuts would require clearer evidence that inflation is moving sustainably lower. In the euro area, the macro picture remains more subdued, with only modest growth in the near term as higher energy prices weigh temporarily on real incomes, consumption, and investment. However, June inflation data surprised to the downside, with headline CPI falling to 2.8% and core CPI to 2.4%, suggesting that the recent energy-driven inflation impulse may be less persistent than previously feared. In June, the ECB raised rates as expected, weighing weak growth against renewed inflation pressures. Going forward, it is expected to maintain its data-dependent approach while retaining a slight tightening bias to keep inflation expectations anchored – in line with our expectation of one additional rate hike by end of May 2027, and likely already in September 2026. Across Asia, growth dynamics remain comparatively strong and continue to underpin global expansion, supported by targeted policy measures, for example in Japan and China, as well as structural tailwinds from

Digitalization and AI. Also see our [PERSPECTIVES Economic and asset class outlook – June 2026](#).

Key **downside risks** include geopolitical “known unknowns” such as the conflicts in Ukraine and the Middle East, further trade barriers, and AI-related implementation challenges, including power and critical mineral bottlenecks. Additional risks stem from higher long-term yields, driven by elevated asset prices and fiscal debt concerns, as well as potential central bank policy missteps. As a result, investment opportunities are likely to coexist with periods of volatility, underscoring the need for disciplined positioning, diversification, and active risk management. Private market risks may also include lower liquidity and transparency. While the path forward is unlikely to be linear, the combination of resilient innovation activity, supportive policy initiatives, and gradually improving capital market conditions provides grounds for a constructive medium-term outlook for European venture capital.

### Conclusion

European venture capital continues to benefit from resilient innovation activity, growing institutional and private wealth investments and rising investments in strategic technologies. Improving financing conditions, sustained capital flows into areas such as Deep Tech and Defence Tech, together with a continued, gradual recovery in exit markets, should provide a supportive backdrop for the asset class over the medium term.

At the same time, geopolitical uncertainty and fragmented capital markets remain important considerations. Even so, Europe appears increasingly well positioned to strengthen its role as a global innovation hub, supported by its industrial base and policy focus on competitiveness and technological sovereignty.

For long-term investors with the appetite for the risks inherent in investing in this asset class, the opportunity lies in selectively gaining exposure to innovative businesses aligned with these structural themes while maintaining a disciplined focus on scalability and exit potential.



## Appendix

## Glossary

**Clean tech** refers to technologies that support energy transition, decarbonisation, electrification, resource efficiency and lower-carbon value chains.

**Climate tech** refers to technologies designed to mitigate climate change, support adaptation or reduce greenhouse-gas emissions.

**Core CPI** excludes food and energy from the CPI basket as they are considered more volatile.

The **consumer price index (CPI)** measures the price of a basket of products and services that is based on the typical consumption of a private household.

**Cybersecurity** refers to technologies, processes and practices designed to protect networks, systems, data and digital infrastructure from cyber threats.

**Diversification** refers to the dispersal of investments across asset types, geographies and so on with the aim of reducing risk or boosting risk-adjusted returns.

**Distribution to Paid-In (DPI)** measures distributions returned to investors as a multiple of the capital paid into a fund.

**Dual-use technologies** are technologies that can be used for both civilian and defence purposes.

**EU Defence Innovation Scheme (EUDIS)** is an EU initiative that supports defence and dual-use start-ups and innovation.

**EUR** is the currency code for the euro, the currency of the Eurozone.

**Euro area** refers to the group of European Union countries that use the euro as their common currency.

The **European Central Bank (ECB)** is the central bank for the Eurozone.

The **European Commission (EC)** is the executive body of the European Union (EU) representing the interests of the European Union as a whole.

**European Defence Fund (EDF)** is an EU funding programme that supports collaborative defence research and capability development.

**European Innovation Council** is an EU body that supports breakthrough technologies and innovation, including scale-up funding.

**European Tech Champions Initiative** is a European initiative intended to mobilise private investment for technology companies.

The **European Union (EU)** is a political and economic association of 27 member states.

The **Federal Reserve (Fed)** is the central bank of the United States. Its **Federal Open Market Committee (FOMC)** meets to determine interest rate policy.

**French Tibi initiative** is a French programme designed to channel private savings into technology and innovation funds.

**GBP** is the currency code for the British pound/sterling.

**IFR** stands for the **International Federation of Robotics**, an organisation that publishes robotics industry data and reports.

**Initial public offering (IPO)** is the first sale of a company's shares to the public on a stock exchange.

**Interest rates** are the cost of borrowing or the return on lending, usually expressed as a percentage.

**InvestEU** is an EU programme designed to mobilise investment in strategic areas, including innovation and small business financing.

**KPMG** is a professional service company and one of the "Big Four" auditors.

**mn** is an abbreviation for million.

**Multiple over Invested Capital (MOIC)** measures total investment value as a multiple of the capital invested.

**NATO** stands for the North Atlantic Treaty Organisation.

**Physical AI** refers to artificial intelligence applied to physical systems such as robotics, humanoids, autonomous vehicles and industrial automation.

**PitchBook** is a financial data and research provider focused on private markets, venture capital and company financing.

**Private equity** refers to funds or individuals investing directly in private, non-listed companies.



## Appendix

## Glossary

**Private markets** refers to investments in assets that are not traded on public exchanges, such as private equity, private credit, infrastructure and venture capital.

**Public listing** refers to the admission of a company's shares to trading on a public stock exchange.

**Quantum computing** is a computing approach that uses quantum bits to process information in ways that can provide very high computational power for certain problems.

**ReArm Europe** is a European Commission strategy aimed at strengthening defence readiness and capabilities.

**Robotics** refers to the design, production and use of robots for tasks across sectors such as manufacturing, logistics, healthcare and defence.

**Risk premia** refer to the return in excess of the risk-free rate of return that an investment is expected to yield. It is a form of compensation for investors who tolerate the extra risk.

**Scaleup Europe Fund** is a European funding initiative intended to provide growth-stage capital to strategic technology sectors.

**Secondary transactions** are transactions in which existing investor stakes or assets are sold to another investor rather than newly issued by the company or fund.

**Soft landing** refers to an economic slowdown that avoids a recession while bringing inflation or other imbalances under control.

**Sondervermögen** refers to a special off-budget German fund used to finance specific public spending objectives.

**Start-up** is a young company designed to develop and scale a new product, service or business model.

**Strait of Hormuz** is a strategically important waterway connecting the Persian Gulf with the Gulf of Oman and global energy shipping routes.

**Total Value to Paid-In (TVPI)** measures the total value of a fund, including distributions and remaining portfolio value, as a multiple of paid-in capital.

**Unicorn** is a privately held start-up company valued at USD1bn or more.

**USD** is the currency code for the US Dollar.

**Volatility** is the degree of variation of a trading-price series over time.

**Yield** is the income return on an investment referring to the interest or dividends received from a security and is usually expressed annually as a percentage based on the investment's cost, its current market value or its face value.



## Appendix

## Important note

### General

This document may not be distributed in Canada or Japan. This document is being circulated in good faith by Deutsche Bank Aktiengesellschaft, its branches (as permitted in any relevant jurisdiction), affiliated companies and its officers and employees (collectively, "Deutsche Bank").

This document is for your information only and is not intended as an offer, or recommendation or solicitation of an offer to buy or sell any investment, security, financial instrument or other specific product, to conclude a transaction, or to provide any investment service or investment advice, or to provide any research, investment research or investment recommendation, in any jurisdiction. The information contained herein does not replace advice tailored to the individual circumstances of the investor.

All materials in this document are meant to be reviewed in their entirety.

If a court of competent jurisdiction deems any provision of this disclaimer unenforceable, the remaining provisions will remain in full force and effect. This document has been prepared as a general market commentary without consideration of the investment needs, objectives or financial circumstances of any particular investor. Investments are subject to market risks which derive from the instrument or are specific to the instrument or attached to the particular issuer. Should such risks materialise, investors may incur losses, including (without limitation) a total loss of the invested capital. The value of investments can fall as well as rise and an investor may not recover the amount originally invested at any point in time. This document does not identify all the risks (direct or indirect) or other considerations which may be material to an investor when making an investment decision.

This document and all information included herein are provided "as is", "as available" and no representation or warranty of any kind, express, implied or statutory, is made by Deutsche Bank regarding any statement or information contained herein or issued in conjunction with this document. To the extent permissible under applicable laws and regulations, Deutsche Bank makes no representation as to the profitability of any financial instrument or economic measure. All opinions, market prices, estimates, forward-looking statements, hypothetical statements, forecast returns or other opinions leading to financial conclusions contained herein reflect Deutsche Bank's subjective judgment as of the date of this document. Without limitation, Deutsche Bank does not warrant the accuracy, adequacy, completeness, reliability, timeliness or availability of this document or any information contained herein and expressly disclaims liability for errors or omissions herein (if any). Forward-looking statements involve significant elements of subjective judgments and analyses and changes thereto and/or consideration of different or additional factors could have a material impact on the results indicated. Therefore, actual results may vary, perhaps materially, from the results contained herein.

Unless otherwise indicated in this document, all statements of opinion reflect the current assessment of Deutsche Bank, which may change at any time. Deutsche Bank does not assume any obligation to either update the information contained in this document or inform investors about available updated information. The information contained in this document is subject to change without notice and based on a number of assumptions, estimates, opinions and hypothetical models or analyses which – although from the Bank's current point of view are based on adequate information – may not prove valid or turnout in the future to be accurate or correct and may be different from conclusions expressed by other departments within Deutsche Bank. Although the information contained in this document has been derived from sources that Deutsche Bank considers trustworthy and reliable, Deutsche Bank does not guarantee the completeness, fairness, or accuracy of the information and it should not be relied upon as such. This document may provide, for your convenience, references to websites and other external sources. Deutsche Bank takes no responsibility for their content and their content does not form any part of this document. Accessing such external sources is at your own risk.

To the extent permissible under applicable laws and regulations, this document is for discussion purposes only and is not intended to create any legally binding obligations on Deutsche Bank and Deutsche Bank is not acting as your financial advisor or in a fiduciary capacity, unless otherwise expressly agreed by Deutsche Bank in writing. Before making an investment decision, investors need to consider, with or without the assistance of a financial professional, whether any investments and strategies described or provided by Deutsche Bank are appropriate in light of the investor's particular investment needs, objectives, financial circumstances or the possible risks and benefits of such investment decision. When making an investment decision, potential investors should not rely on this document but only on what is contained in the final offering documentation relating to the investment. As a global financial services provider, Deutsche Bank from time to time faces actual and potential conflicts of interest. Deutsche Bank's policy is to take all appropriate steps to maintain and operate effective organizational and administrative arrangements to identify and manage such conflicts.

Deutsche Bank does not give tax or legal advice, including in this document, and nothing in this document should be interpreted as Deutsche Bank providing any person with any investment advice. Investors should seek advice from their own tax experts, lawyers, and investment advisers in considering investments and strategies described by Deutsche Bank. Unless notified to the contrary in a particular case, investment

---

In Europe, Middle East and Africa as well as in Asia Pacific this material is considered marketing material, but this is not the case in the US. No assurance can be given that any forecast or target can be achieved. Forecasts are based on assumptions, estimates, opinions and hypothetical models which may prove to be incorrect. Past performance is not indicative of future returns. Performance refers to a nominal value based on price gains/losses and does not take into account inflation. Inflation will have a negative impact on the purchasing power of this nominal monetary value. Depending on the current level of inflation, this may lead to a real loss in value, even if the nominal performance of the investment is positive. Investments come with risk. The value of an investment can fall as well as rise and you might not get back the amount originally invested at any point in time. Your capital may be at risk. This document was produced in July 2026.



## Appendix

instruments are not insured by any governmental entity, not subject to deposit protection schemes and not guaranteed, including by Deutsche Bank. This document may not be reproduced or circulated without Deutsche Bank's express written authorization. Deutsche Bank expressly prohibits the distribution and transfer of this document to third parties. Deutsche Bank accepts no liability whatsoever arising from the use or distribution of this document or for any action taken or decision made in respect of investments mentioned in this document which the investor may have made or may make in the future.

The manner of circulation and distribution of this document may be restricted by law or regulation in certain countries, including, without limitation, the United States. 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 where such distribution, publication use would be contrary to law or regulation or which would subject Deutsche Bank to any registration or licensing requirement within such jurisdiction which is not currently met. Persons into whose possession this document may come are required to inform themselves of, and to observe, such restrictions. Past performance is no guarantee of future results; nothing contained herein shall constitute any representation, warranty, or prediction as to future performance. Further information is available upon request.

Deutsche Bank AG is a stock corporation ("Aktiengesellschaft") incorporated under the laws of the Federal Republic of Germany with its head office in Frankfurt am Main. It is registered with the district court ("Amtsgericht") in Frankfurt am Main under number HRB 30 000 and licensed to carry out banking business and to provide financial services. Deutsche Bank AG is supervised by the European Central Bank ("ECB"), Sonnemannstrasse 22, 60314 Frankfurt am Main, Germany ([www.ecb.europa.eu](http://www.ecb.europa.eu)) and the German Federal Financial Supervisory Authority ("Bundesanstalt für Finanzdienstleistungsaufsicht" or "BaFin"), Graueindorfer Strasse 108, 53117 Bonn and Marie-Curie-Strasse 24-28, 60439 Frankfurt am Main ([www.bafin.de](http://www.bafin.de)), and by the German Central Bank ("Deutsche Bundesbank"), Wilhelm-Epstein-Strasse 14, 60431 Frankfurt am Main ([www.bundesbank.de](http://www.bundesbank.de)).

This document has neither been submitted to nor reviewed or approved by any of the above or below mentioned supervisory authorities.

This document was generated or edited with the support of artificial intelligence (AI). It was reviewed by responsible employees of Deutsche Bank's Chief Investment Office.

### **For Residents of the United Arab Emirates**

This document is strictly private and confidential and is being distributed to a limited number of investors and must not be provided to any person other than the original recipient and may not be reproduced or used for any other purpose. By receiving this document, the person or entity to whom it has been issued understands, acknowledges and agrees that this document has not been approved by the UAE Central Bank, the UAE Securities and Commodities Authority, the UAE Ministry of Economy or any other authorities in the UAE. No marketing of any financial products or services has been or will be made from within the United Arab Emirates and no subscription to any funds, securities, products or financial services may or will be consummated within the United Arab Emirates. This does not constitute a public offer of securities in the United Arab Emirates in accordance with the Commercial Companies Law, Federal Law No. 2 of 2015 (as amended from time to time) or otherwise. This document may only be distributed to "Professional Investors", as defined in the UAE Securities and Commodities Authority's Rulebook on Financial Activities and Reconciliation Mechanism (as amended from time to time).

### **For Residents of Kuwait**

This document has been sent to you at your own request. This presentation is not for general circulation to the public in Kuwait. The investments described herein have not been licensed for offering in Kuwait by the Kuwait Capital Markets Authority or any other relevant Kuwaiti government agency. The offering of any investments in Kuwait on the basis a private placement or public offering is, therefore, restricted in accordance with Decree Law No. 31 of 1990 and the implementing regulations thereto (as amended) and Law No. 7 of 2010 and the bylaws thereto (as amended). No private or public offering of any investments is being made in Kuwait, and no agreement relating to the sale of any investments will be concluded in Kuwait. No marketing or solicitation or inducement activities are being used to offer or market any investments in Kuwait.

### **For Residents of the Kingdom of Saudi Arabia**

This document may not be distributed in the Kingdom except to such persons as are permitted under the Investment Fund Regulations issued by the Capital Market Authority. The Capital Market Authority does not take any responsibility for the contents of this document, does not make any representation as to its accuracy or completeness, and expressly disclaims any liability whatsoever for any loss arising from, or incurred in reliance upon, any part of this document. Prospective subscribers of the investments described herein should conduct their own due diligence on the accuracy of any information relating thereto. If you do not understand the contents of this document, you should consult an authorized financial adviser.



## Appendix

### For Residents of Qatar

This document has not been filed with, reviewed or approved by the Qatar Central Bank, the Qatar Financial Markets Authority, the Qatar Financial Centre Regulatory Authority or any other relevant Qatari governmental body or securities exchange or under any laws of the State of Qatar. This document does not constitute a public offering and is addressed only to the party to whom it has been delivered. No transaction will be concluded in Qatar and any inquiries or applications should be received, and allotments made, outside Qatar.

### For Residents of the Kingdom of Bahrain

This document does not constitute an offer for sale of, or participation in, securities, derivatives or funds marketed in Bahrain within the meaning of Bahrain Monetary Agency Regulations. All applications for any investment should be received and any allotments should be made, in each case from outside of Bahrain. This document has been prepared for private information purposes of intended investors only who will be institutions. No invitation shall be made to the public in the Kingdom of Bahrain and this document will not be issued, passed to, or made available to the public generally. The Central Bank (CBB) has not reviewed, nor has it approved, this document or the marketing of any such securities, derivatives or funds in the Kingdom of Bahrain.

### For Residents of Lebanon

By accepting this documentation, Client hereby represents that (i) this documentation was sent to it by Deutsche Bank in response to an unsolicited request made by it, (ii) it has or will execute any documents associated with any transaction described in this document (a "Transaction") outside of the Lebanese Republic in a jurisdiction in which it is lawful to do the same, (iii) any Transaction entered into shall be deemed to be concluded and booked outside of the Lebanese Republic in a jurisdiction in which it is lawful to do the same and (iv) it has entered or will enter into any Transaction for a bona fide commercial purpose and as part of a sound investment or financial management policy, namely for the purposes of managing its borrowings or investments, hedging its underlying assets or liabilities or in connection with its line of business and not for speculative or illegal purposes.

Deutsche Bank has not obtained the authorization of the Central Council of the Central Bank of Lebanon to market, promote, offer or sell ("offered") any product pursuant to any Transaction in Lebanon and no such product is being offered into Lebanon hereby.

### For Residents of South Africa

This document does not constitute or form a part of any offer, solicitation or promotion in South Africa. This document has not been filed with, reviewed or approved by the South African Reserve Bank, the Financial Sector Conduct Authority or any other relevant South African governmental body or securities exchange or under any laws of the Republic of South Africa.

### For Residents of Belgium

This document has been distributed in Belgium by Deutsche Bank AG acting through its Brussels Branch. Deutsche Bank AG is a stock corporation ("Aktiengesellschaft") incorporated under the laws of the Federal Republic of Germany and licensed to carry on banking business and to provide financial services subject to the supervision and control of the European Central Bank ("ECB") and the German Federal Financial Supervisory Authority ("BaFin"). Deutsche Bank AG, Brussels Branch, is also supervised in Belgium by the Financial Services and Markets Authority ("FSMA", [www.fsma.be](http://www.fsma.be)). The branch has its registered address at Marnixlaan 13-15, B-1000 Brussels and is registered under number VAT BE 0418.371.094, RPM/RPR Brussels. Further details are available on request or can be found at [www.deutschebank.be](http://www.deutschebank.be).

### For Residents of the United Kingdom

This document is a financial promotion as defined in Section 21 of the Financial Services and Markets Act 2000 and is approved by and communicated to you by DB UK Bank Limited. DB UK Bank Limited is a member of the Deutsche Bank AG group and is registered at Companies House in England & Wales with company number 315841 with its registered Office at 21 Moorfields, London, United Kingdom, EC2Y 9DB. DB UK Bank Limited is authorised by the Prudential Regulation Authority and is regulated by the Financial Conduct Authority and the Prudential Regulation Authority. DB UK Bank Limited's Financial Services Registration Number is 140848.

Deutsche Bank Aktiengesellschaft is incorporated in the Federal Republic of Germany and its members' liability is limited.

### For Residents of Hong Kong

This document is intended for Professional Investors in Hong Kong. Furthermore, this document is provided to the addressee only, further distribution of this document is strictly prohibited. This document and its contents are provided for information only. Nothing in this document is intended to be an offer of any investment or a solicitation or recommendation to buy or to sell an investment and should not be interpreted or construed as such an offer, solicitation, or recommendation.

The contents of this document have not been reviewed by any regulatory authority in Hong Kong. You are advised to exercise caution in relation to the investments contained herein (if any). If you are in any doubt about any of the contents of this document, you should obtain independent professional advice.

---

In Europe, Middle East and Africa as well as in Asia Pacific this material is considered marketing material, but this is not the case in the US. No assurance can be given that any forecast or target can be achieved. Forecasts are based on assumptions, estimates, opinions and hypothetical models which may prove to be incorrect. Past performance is not indicative of future returns. Performance refers to a nominal value based on price gains/losses and does not take into account inflation. Inflation will have a negative impact on the purchasing power of this nominal monetary value. Depending on the current level of inflation, this may lead to a real loss in value, even if the nominal performance of the investment is positive. Investments come with risk. The value of an investment can fall as well as rise and you might not get back the amount originally invested at any point in time. Your capital may be at risk. This document was produced in July 2026.



## Appendix

This document has not been approved by the Securities and Futures Commission in Hong Kong ("SFC"), nor has a copy of this document been registered by the Registrar of Companies in Hong Kong, unless specified otherwise. The investments described herein may or may not be authorised by the SFC. Any such investment may not be offered or sold in Hong Kong, by means of any document, other than (i) to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571 of the Laws of Hong Kong) ("SFO") and any rules made under the SFO, or (ii) in other circumstances which do not result in the document being a "prospectus" as defined in the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32 of the Laws of Hong Kong) (the "C(WUMP)O") or which do not constitute an offer to the public within the meaning of the C(WUMP)O. No person shall issue or possess for the purposes of issue, whether in Hong Kong or elsewhere, any advertisement, invitation or document relating to the investments described herein, which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to investments which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the SFO and any rules made under the SFO.

### For Residents of Singapore

This document is intended for Accredited Investors / Institutional Investors in Singapore. Furthermore, this document is provided to addressee only, further distribution of this material is strictly prohibited.

### For Residents of the United States of America

In the United States, brokerage services are offered through Deutsche Bank Securities Inc., a broker-dealer and registered investment adviser, which conducts securities activities in the United States. Deutsche Bank Securities Inc. is a member of FINRA, NYSE and SIPC. Banking and lending services are offered through Deutsche Bank Trust Company Americas, member FDIC, and other members of the Deutsche Bank Group. In respect of the United States, see earlier statements made in this document. Deutsche Bank makes no representations or warranties that the information contained herein is appropriate or available for use in countries outside of the United States, or that services discussed in this document are available or appropriate for sale or use in all jurisdictions, or by all counterparties. Unless registered, licensed as otherwise may be permissible in accordance with applicable law, none of Deutsche Bank or its affiliates is offering any services in the United States or that are designed to attract US persons (as such term is defined under Regulation S of the United States Securities Act of 1933, as amended). This United States-specific disclaimer will be governed by and construed in accordance with the laws of the State of Delaware, without regard to any conflicts of law provisions that would mandate the application of the law of another jurisdiction.

### For Residents of Germany

This information in this document is advertising. The text does not meet all legal requirements to ensure the impartiality of investment and investment strategy recommendations or financial analyses. There is no prohibition for the compiler or for the company responsible for the compilation to trade with the respective financial instruments before or after the publication of these documents.

General information on financial instruments is contained in the brochures "Basic Information on Securities and Other Investments", "Basic Information on Financial Derivatives" and "Basic Information on Forward Transactions" which the customer can request from Deutsche Bank free of charge.

### For Residents of India

The investments mentioned in this document are not being offered to the Indian public for sale or subscription. This document is not registered and/or approved by the Securities and Exchange Board of India, the Reserve Bank of India, or any other governmental/ regulatory authority in India. This document is not and should not be deemed to be a "prospectus" as defined under the provisions of the Companies Act, 2013 (18 of 2013) and the same shall not be filed with any regulatory authority in India. Pursuant to the Foreign Exchange Management Act, 1999 and the regulations issued thereunder, any investor resident in India may be required to obtain prior special permission of the Reserve Bank of India before making investments outside of India including any investments mentioned in this document.

### For Residents of Italy

This report is distributed in Italy by Deutsche Bank S.p.A., a bank incorporated and registered under Italian law subject to the supervision and control of Banca d'Italia and CONSOB. Its registered office is located at Piazza del Calendario 3 – 20126 Milan (Italy) and it is registered with the Chamber of Commerce of Milan, VAT and fiscal code number 001340740156, part of the interbank fund of deposits protection, enrolled in the Bank Register and the head of Deutsche Bank Banking Group, enrolled in the register of the Banking Groups pursuant to Legislative Decree September 1st, 1993 n. 385 and subject to the direction and coordination activity of Deutsche Bank AG, Frankfurt am Main (Germany).

### For Residents of Luxembourg

This report is distributed in Luxembourg by Deutsche Bank Luxembourg S.A., a bank incorporated under the laws of the Grand Duchy of Luxembourg in the form of a public limited company (Société Anonyme), subject to the supervision and control of the European Central Bank ("ECB") and Commission de Surveillance du Secteur Financier ("CSSF"). Its registered office is located at 2, boulevard Konrad Adenauer, 1115 Luxembourg, Grand Duchy of Luxembourg and is registered with Luxembourg Registre de Commerce et des Sociétés ("RCS") under number B 9.164.

In Europe, Middle East and Africa as well as in Asia Pacific this material is considered marketing material, but this is not the case in the US. No assurance can be given that any forecast or target can be achieved. Forecasts are based on assumptions, estimates, opinions and hypothetical models which may prove to be incorrect. Past performance is not indicative of future returns. Performance refers to a nominal value based on price gains/losses and does not take into account inflation. Inflation will have a negative impact on the purchasing power of this nominal monetary value. Depending on the current level of inflation, this may lead to a real loss in value, even if the nominal performance of the investment is positive. Investments come with risk. The value of an investment can fall as well as rise and you might not get back the amount originally invested at any point in time. Your capital may be at risk. This document was produced in July 2026.



## Appendix

### For Residents of Spain

This document has been distributed by Deutsche Bank, Sociedad Anónima Española Unipersonal is a credit institution regulated by the Bank of Spain (registered in its Official Registry under the Code 019) and the CNMV. Deutsche Bank, Sociedad Anónima Española Unipersonal may only undertake the financial services and banking activities that fall within the scope of its existing license. Its registered office in Spain is located in Paseo de la Castellana number 18, 28046 - Madrid. Registered in the Mercantile Registry of Madrid, Volume 28100, Book 0, Folio 1, Section 8, Sheet M506294, Registration 2. NIF: A08000614.

### For Residents of Portugal

Deutsche Bank AG, Portugal Branch is a credit institution regulated by the Bank of Portugal and the Portuguese Securities Commission ("CMVM"), registered with numbers 43 and 349, respectively and with commercial registry number 980459079. Deutsche Bank AG, Portugal Branch may only undertake the financial services and banking activities that fall within the scope of its existing license. Its registered address is Rua Castilho, 20, 1250-069 Lisbon, Portugal.

### For Residents of Austria

This document is distributed by Deutsche Bank AG, Vienna Branch, registered in the commercial register of the Vienna Commercial Court under number FN 140266z. Deutsche Bank AG's Vienna branch is also supervised by the Austrian Financial Market Authority (FMA), Otto-Wagner-Platz 5, 1090 Vienna. This document has neither been submitted to nor approved by the aforementioned supervisory authorities.

### For Residents of the Netherlands

This document is distributed by Deutsche Bank AG, Amsterdam Branch, with registered address at De entree 195 (1101 HE) in Amsterdam, the Netherlands, and registered in the Netherlands trade register under number 33304583 and in the register within the meaning of Section 1:107 of the Netherlands Financial Supervision Act (Wet op het financieel toezicht). This register can be consulted through [www.dnb.nl](http://www.dnb.nl).

### For Residents of France

Deutsche Bank AG is an authorized credit institution, subject to the overall supervision of the European Central Bank and BaFin, the German Federal Financial Supervisory Authority. Its various branches are locally supervised, for certain activities, by the competent banking authorities, such as the Prudential Control and Resolution Authority (Autorité de Contrôle Prudentiel de Résolution, "ACPR") and the Financial Markets Authority (Autorité des Marchés Financiers, "AMF") in France.

Any reproduction, representation, distribution or redistribution, in whole or in part, of the contents of this document in any medium or by any process whatsoever, as well as any sale, resale, retransmission or making available to third parties in any manner whatsoever, is prohibited. This document may not be reproduced or distributed without our written permission.

© 2026 Deutsche Bank AG. All rights reserved.

058154 072826

RR/JL