

# **Europe Energy**

# EU Big Oils: Sensitivity to Section 899

A provision in the House-passed fiscal package (H.R. 1), would create a new Section 899 of the tax code, which would raise the US tax on many forms of passive income and active business income by 5pp next year, 20pp over four years and, in some cases, as much as 50pp over the next decade. According to our Economists, these policies could negatively impact holders of US assets, but rather than an intentional effort to discourage demand for US assets to weaken the dollar, the intent of this policy is to pressure other countries to rescind taxes on US multinationals. According to our Strategy team, the main channel for listed companies will be via the increase in the withholding tax: starting at 5%, and then increasing by 5pp annually to a maximum of 20%. This applies to both active business income (profits) and passive income (dividends, interest, capital gains). Amongst the affected would be non-US individuals and foreign corporations (>50% owned by non-US) with countries likely affected including most EU members and the UK.

In this report, we therefore focus on the potential downside risk to the European integrated oil companies stemming from the proposed Section 899 of the tax bill. Specifically we run a sensitivity analysis applying a surtax rate of 5%/20% on earnings generated due to implied exposure from US operations across the group in order to quantify the potential impact under varying scenarios.

While we acknowledge that the intent of this policy could be to pressure other countries and the policy might potentially never be applied, EU Big Oils could also be exempt from the tax due to their large US ownership. Assuming the provision is applied and without exemption, our analysis implies that BP would be the most affected amongst Big Oils with up to 18-4% of their profit at risk due to their exposure to the US. Shell and Repsol could also be exposed on our estimates (6-2%/6-2% of profit sensitivity to a 20% increase in the withholding tax respectively) while TotalEnergies, Equinor and ENI would have a more muted impact. In contrast, Galp and OMV would appear largely unaffected due to minimal exposure to US operations.

#### Michele Della Vigna, CFA

+39(02)8022-2242 | michele.dellavigna@gs.com Goldman Sachs Bank Europe SE - Milan branch

#### Yulia Bocharnikova

+44(20)7051-6299 | yulia.bocharnikova@gs.com Goldman Sachs International

#### Anastasia Shalaeva

+971(4)214-9908 | anastasia.shalaeva@gs.com Goldman Sachs International

#### Quentin Marbach +44(20)7774-7644

quentin.marbach@gs.com Goldman Sachs International

Goldman Sachs does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. For Reg AC certification and other important disclosures, see the Disclosure Appendix, or go to <a href="https://www.gs.com/research/hedge.html">www.gs.com/research/hedge.html</a>. Analysts employed by non-US affiliates are not registered/qualified as research analysts with FINRA in the U.S.

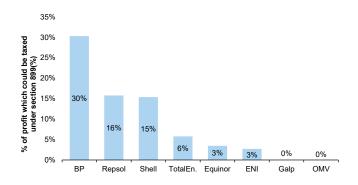
# Implications for EU Big Oils

In this analysis, we focus on the potential downside risk to the European integrated oil companies stemming from the proposed Section 899 of the tax bill. Specifically we run a sensitivity analysis applying a tax rate of 5%/20% on earnings generated due to implied exposure from US operations across the group in order to quantify the potential impact under varying scenarios.

While we acknowledge that the intent of this policy could be to pressure other countries and the policy might potentially never be applied. Assuming the provision is applied and without exemption, our analysis implies that BP would be the most affected amongst Big Oils with up to 18-4% of their profit at risk due to their exposure to the US. Shell and Repsol could also be exposed on our estimates (6-2%/6-2% of profit sensitivity to a 20% increase in the withholding tax respectively) while TotalEnergies, Equinor and ENI would have a more muted impact. In contrast, Galp and OMV would appear largely unaffected due to minimal exposure to US operations. We note that these estimates remain sensitive to the final scope of the legislation and remain cautious on the 50% US-ownership threshold as many of the most exposed companies amongst the group currently fall just above this (Exhibit 3).

Exhibit 1: BP has the highest percentage of its profit which could potentially be taxed under section 899, followed by Repsol and Shell

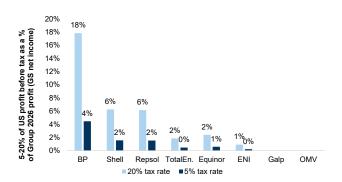
% of group profit which could be taxed under section 899



Source: Company data, Goldman Sachs Global Investment Research

# Exhibit 2: A 20% reduction in US profit would represent an 18% impact to earnings for BP, and a low-to-mid-single-digit % impact for other names

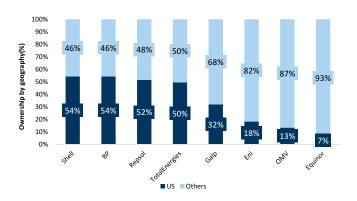
5-20% of US profit before tax as a % of Group 2026 profit (GS net income)



Source: Goldman Sachs Global Investment Research

# Exhibit 3: Shell, BP, Repsol and Total could potentially be exempted given >50% US ownership

% stock ownership by US investors, last reported



Ownership as of June 2025

Source: Bloomberg

# **Understanding Section 899**

**The "One Big Beautiful Bill Act"** extends the 2017 tax cuts and introduces new tax and spending measures. While US equity markets may benefit in the short term — particularly from CAPEX and R&D — one of the most consequential provisions for global investors is Section 899.

**Section 899 introduces retaliatory tax measures** against non-US individuals, corporations, and governments from countries that impose "unfair foreign taxes" on US persons. These include: OECD Pillar Two UTPRs (Undertaxed Profits Rules), Digital Services Taxes (DSTs) and Diverted Profits Taxes (DPTs). These taxes are automatically deemed "unfair," bypassing the need for Treasury designation.

**Tax Mechanics.** The main channel for listed companies will be via the increase in the withholding tax: starting at 5%, and then increasing by 5pp annually to a maximum of 20%. This applies to both active business income (profits) and passive income (dividends, interest, capital gains).

Who Is Affected? Non-US individuals and entities tax-resident in countries with UTPRs, DSTs, or DPTs, foreign governments and sovereign wealth funds (explicitly included in the bill), foreign corporations (>50% owned by non-US), foreign trusts, partnerships, and branches. Countries likely affected include most EU members, the UK, Canada, Australia, Korea, Norway, and Switzerland.

Will It Be Applied? Our chief US political economist, Alec Phillips, notes that Section 899 is designed to pressure foreign governments to reverse recent tax measures. However, the provision could discourage foreign investment in US assets at a time when the US is seeking to reshore manufacturing and attract capital. The legal ambiguity around whether US Treasuries are taxed is unsettling investors. While the "portfolio interest exemption" appears preserved (protecting registered holders of USTs, MBS,

and corporate bonds), treaty-based exemptions may still be at risk.

**Indeed, there are some mitigating factors.** First, it remains unclear whether Section 899 will be fully enforced or primarily used as a negotiating tool in international tax diplomacy. Second, European firms are likely to adapt. Potential strategies include passing on costs through US price increases, reallocating deductible expenses to US operations, restructuring ownership to exceed the 50% US-ownership threshold as many firms currently fall in the 40–50% range (one option is relisting in the US), and occasionally moving the HQ and tax domicile to the US, as well as lobbying for exemptions or bilateral relief.

# Valuation and key risks

Exhibit 4: 12-month price targets, implied upside and key risks to our views and PTs

Pricing as of the market close of June 05, 2025

		Currency	Target Price	Current Price	Potential upside	Rating	Methodology (applied to 2026E cash flow unless otherwise indicated)		
EU Integrated Oils	ВР	р	450	366	23%	Buy	5.9x EV/DACF	Lower oil and gas prices or exploration success than we expect, negative surprise to growth or capex	
	BP ADR	US\$	36	29	23%	Buy	5.9x EV/DACF	Lower oil and gas prices or exploration success than we expect, negative surprise to growth or capex	
	ENI	€	15	13	14%	Buy	6.1x EV/DACF	Lower oil prices and refining margins; ramp up issues in Kashagan, downstream restructuring failure	
	Equinor	NKr	230	244	-6%	Sell	3.7x EV/DACF	Higher oil and gas prices than we expect, better than expected cost efficiency outcome and production	
	Galp	€	19	14	35%	Buy	SOTP	Lower oil prices or less exploration success than we expect, negative surprise to growth or capex	
	ому	€	45	48	-6%	Neutral	6.7x EV/DACF	Lower/Higher oil prices/refining margins or exploration success than we expect, worse/better than expected cost efficiency outcomes or value realised from proposed asset sale/swaps	
	RD/Shell A	€	40	30	35%	Buy	6.3x EV/DACF	Lower oil prices and refining margins, negative surprise to growth or capex	
	RD/Shell A ADR	US\$	90	67	35%	Buy	6.3x EV/DACF	Lower oil prices and refining margins, negative surprise to growth or capex	
	Repsol*	€	15	12	27%	Buy	5.1x EV/DACF	Lower oil prices or refining margins than we expect or negative surprise to growth or cape distributions to shareholders	
	TotalEnergies	€	56	53	6%	Neutral	6.2x EV/DACF	Lower/Higher oil prices and refining margins; ramp up issues/acceleration in projects under development	

<sup>\*</sup>Repsol is also on the European Conviction List - Directors' Cut

Source: FactSet, Company data, Goldman Sachs Global Investment Research

We would like to thank Sara Zmary for her contribution to this report.

# Disclosure Appendix

# Reg AC

We, Michele Della Vigna, CFA, Yulia Bocharnikova, Anastasia Shalaeva and Quentin Marbach, hereby certify that all of the views expressed in this report accurately reflect our personal views about the subject company or companies and its or their securities. We also certify that no part of our compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report.

Unless otherwise stated, the individuals listed on the cover page of this report are analysts in Goldman Sachs' Global Investment Research division.

#### **GS Factor Profile**

The Goldman Sachs Factor Profile provides investment context for a stock by comparing key attributes to the market (i.e. our universe of rated stocks) and its sector peers. The four key attributes depicted are: Growth, Financial Returns, Multiple (e.g. valuation) and Integrated (a composite of Growth, Financial Returns and Multiple). Growth, Financial Returns and Multiple are calculated by using normalized ranks for specific metrics for each stock. The normalized ranks for the metrics are then averaged and converted into percentiles for the relevant attribute. The precise calculation of each metric may vary depending on the fiscal year, industry and region, but the standard approach is as follows:

**Growth** is based on a stock's forward-looking sales growth, EBITDA growth and EPS growth (for financial stocks, only EPS and sales growth), with a higher percentile indicating a higher growth company. **Financial Returns** is based on a stock's forward-looking ROE, ROCE and CROCI (for financial stocks, only ROE), with a higher percentile indicating a company with higher financial returns. **Multiple** is based on a stock's forward-looking P/E, P/B, price/dividend (P/D), EV/EBITDA, EV/FCF and EV/Debt Adjusted Cash Flow (DACF) (for financial stocks, only P/E, P/B and P/D), with a higher percentile indicating a stock trading at a higher multiple. The **Integrated** percentile is calculated as the average of the Growth percentile, Financial Returns percentile and (100% - Multiple percentile).

Financial Returns and Multiple use the Goldman Sachs analyst forecasts at the fiscal year-end at least three quarters in the future. Growth uses inputs for the fiscal year at least seven quarters in the future compared with the year at least three quarters in the future (on a per-share basis for all metrics).

For a more detailed description of how we calculate the GS Factor Profile, please contact your GS representative.

#### M&A Rank

Across our global coverage, we examine stocks using an M&A framework, considering both qualitative factors and quantitative factors (which may vary across sectors and regions) to incorporate the potential that certain companies could be acquired. We then assign a M&A rank as a means of scoring companies under our rated coverage from 1 to 3, with 1 representing high (30%-50%) probability of the company becoming an acquisition target, 2 representing medium (15%-30%) probability and 3 representing low (0%-15%) probability. For companies ranked 1 or 2, in line with our standard departmental guidelines we incorporate an M&A component into our target price. M&A rank of 3 is considered immaterial and therefore does not factor into our price target, and may or may not be discussed in research.

#### Quantum

Quantum is Goldman Sachs' proprietary database providing access to detailed financial statement histories, forecasts and ratios. It can be used for in-depth analysis of a single company, or to make comparisons between companies in different sectors and markets.

#### **Disclosures**

#### Financial advisory disclosure

Goldman Sachs and/or one of its affiliates is acting as a financial advisor in connection with an announced strategic matter involving the following company or one of its affiliates: OMV Aktiengesellschaft.

The rating(s) for BP Plc, ENI, Equinor, Galp, OMV, Repsol, Shell Plc and TotalEnergies SE is/are relative to the other companies in its/their coverage universe: Aker BP ASA, BP Plc, Ceres Power, ENI, Equinor, Galp, Harbour Energy, HelleniQ Energy, ITM Power, Industrie De Nora SpA, Ithaca Energy, Motor Oil, Nel, Neste OYJ, OMV, Repsol, Saudi Aramco, Shell Plc, Thyssenkrupp Nucera, TotalEnergies SE, Var Energi ASA

## **Company-specific regulatory disclosures**

Compendium report: please see disclosures at <a href="https://www.gs.com/research/hedge.html">https://www.gs.com/research/hedge.html</a>. Disclosures applicable to the companies included in this compendium can be found in the latest relevant published research

#### Distribution of ratings/investment banking relationships

Goldman Sachs Investment Research global Equity coverage universe

	F	Rating Distribution	n	Investment Banking Relationships			
	Buy	Hold	Sell	Buy	Hold	Sell	
Global	49%	34%	17%	63%	57%	42%	

As of April 1, 2025, Goldman Sachs Global Investment Research had investment ratings on 3,016 equity securities. Goldman Sachs assigns stocks as Buys and Sells on various regional Investment Lists; stocks not so assigned are deemed Neutral. Such assignments equate to Buy, Hold and Sell for the purposes of the above disclosure required by the FINRA Rules. See 'Ratings, Coverage universe and related definitions' below. The Investment Banking Relationships chart reflects the percentage of subject companies within each rating category for whom Goldman Sachs has provided investment banking services within the previous twelve months.

### Price target and rating history chart(s)

Compendium report: please see disclosures at <a href="https://www.gs.com/research/hedge.html">https://www.gs.com/research/hedge.html</a>. Disclosures applicable to the companies included in this compendium can be found in the latest relevant published research

# **Regulatory disclosures**

### Disclosures required by United States laws and regulations

See company-specific regulatory disclosures above for any of the following disclosures required as to companies referred to in this report: manager or co-manager in a pending transaction; 1% or other ownership; compensation for certain services; types of client relationships; managed/co-managed public offerings in prior periods; directorships; for equity securities, market making and/or specialist role. Goldman Sachs trades or may trade as a principal in debt securities (or in related derivatives) of issuers discussed in this report.

The following are additional required disclosures: **Ownership and material conflicts of interest:** Goldman Sachs policy prohibits its analysts, professionals reporting to analysts and members of their households from owning securities of any company in the analyst's area of coverage. **Analyst compensation:** Analysts are paid in part based on the profitability of Goldman Sachs, which includes investment banking revenues. **Analyst as officer or director:** Goldman Sachs policy generally prohibits its analysts, persons reporting to analysts or members of their households from serving as an officer, director or advisor of any company in the analyst's area of coverage. **Non-U.S. Analysts:** Non-U.S. analysts may not be associated persons of Goldman Sachs & Co. LLC and therefore may not be subject to FINRA Rule 2241 or FINRA Rule 2242 restrictions on communications with subject company, public appearances and trading securities held by the analysts.

**Distribution of ratings:** See the distribution of ratings disclosure above. **Price chart:** See the price chart, with changes of ratings and price targets in prior periods, above, or, if electronic format or if with respect to multiple companies which are the subject of this report, on the Goldman Sachs website at <a href="https://www.gs.com/research/hedge.html">https://www.gs.com/research/hedge.html</a>.

## Additional disclosures required under the laws and regulations of jurisdictions other than the United States

The following disclosures are those required by the jurisdiction indicated, except to the extent already made above pursuant to United States laws and regulations. Australia: Goldman Sachs Australia Pty Ltd and its affiliates are not authorised deposit-taking institutions (as that term is defined in the Banking Act 1959 (Cth)) in Australia and do not provide banking services, nor carry on a banking business, in Australia. This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act, unless otherwise agreed by Goldman Sachs. In producing research reports, members of Global Investment Research of Goldman Sachs Australia may attend site visits and other meetings hosted by the companies and other entities which are the subject of its research reports. In some instances the costs of such site visits or meetings may be met in part or in whole by the issuers concerned if Goldman Sachs Australia considers it is appropriate and reasonable in the specific circumstances relating to the site visit or meeting. To the extent that the contents of this document contains any financial product advice, it is general advice only and has been prepared by Goldman Sachs without taking into account a client's objectives, financial situation or needs. A client should, before acting on any such advice, consider the appropriateness of the advice having regard to the client's own objectives, financial situation and needs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests and a copy of Goldman Sachs' Australian Sell-Side Research Independence Policy Statement are available at: https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html. Brazil: Disclosure information in relation to CVM Resolution n. 20 is available at https://www.gs.com/worldwide/brazil/area/gir/index.html. Where applicable, the Brazil-registered analyst primarily responsible for the content of this research report, as defined in Article 20 of CVM Resolution n. 20, is the first author named at the beginning of this report, unless indicated otherwise at the end of the text. Canada: This information is being provided to you for information purposes only and is not, and under no circumstances should be construed as, an advertisement, offering or solicitation by Goldman Sachs & Co. LLC for purchasers of securities in Canada to trade in any Canadian security. Goldman Sachs & Co. LLC is not registered as a dealer in any jurisdiction in Canada under applicable Canadian securities laws and generally is not permitted to trade in Canadian securities and may be prohibited from selling certain securities and products in certain jurisdictions in Canada. If you wish to trade in any Canadian securities or other products in Canada please contact Goldman Sachs Canada Inc., an affiliate of The Goldman Sachs Group Inc., or another registered Canadian dealer. Hong Kong: Further information on the securities of covered companies referred to in this research may be obtained on request from Goldman Sachs (Asia) L.L.C. India: Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (India) Securities Private Limited, Research Analyst - SEBI Registration Number INH000001493, 951-A, Rational House, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India, Corporate Identity Number U74140MH2006FTC160634, Phone +91 22 6616 9000, Fax +91 22 6616 9001. Goldman Sachs may beneficially own 1% or more of the securities (as such term is defined in clause 2 (h) the Indian Securities Contracts (Regulation) Act, 1956) of the subject company or companies referred to in this research report. Investment in securities market are subject to market risks. Read all the related documents carefully before investing. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Goldman Sachs (India) Securities Private Limited compliance officer and investor grievance contact details can be found at this link: https://publishing.gs.com/disclosures/hedge.html - /general/equity. Japan: See below. Korea: This research, and any access to it, is intended only for "professional investors" within the meaning of the Financial Services and Capital Markets Act, unless otherwise agreed by Goldman Sachs. Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (Asia) L.L.C., Seoul Branch. New Zealand: Goldman Sachs New Zealand Limited and its affiliates are neither "registered banks" nor "deposit takers" (as defined in the Reserve Bank of New Zealand Act 1989) in New Zealand. This research, and any access to it, is intended for "wholesale clients" (as defined in the Financial Advisers Act 2008) unless otherwise agreed by Goldman Sachs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests is available at: https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html. Russia: Research reports distributed in the Russian Federation are not advertising as defined in the Russian legislation, but are information and analysis not having product promotion as their main purpose and do not provide appraisal within the meaning of the Russian legislation on appraisal activity. Research reports do not constitute a personalized investment recommendation as defined in Russian laws and regulations, are not addressed to a specific client, and are prepared without analyzing the financial circumstances, investment profiles or risk profiles of clients. Goldman Sachs assumes no responsibility for any investment decisions that may be taken by a client or any other person based on this research report. Singapore: Goldman Sachs (Singapore) Pte. (Company Number: 198602165W), which is regulated by the Monetary Authority of Singapore, accepts legal responsibility for this research, and should be contacted with respect to any matters arising from, or in connection with, this research. **Taiwan:** This material is for reference only and must not be reprinted without permission. Investors should carefully consider their own investment risk. Investment results are the responsibility of the individual investor. United Kingdom: Persons who would be categorized as retail clients in the United Kingdom, as such term is defined in the rules of the Financial Conduct Authority, should read this research in conjunction with prior Goldman Sachs research on the covered companies referred to herein and should refer to the risk warnings that have been sent to them by Goldman Sachs International. A copy of these risks warnings, and a glossary of certain financial terms used in this report, are available from Goldman Sachs International on request.

**European Union and United Kingdom:** Disclosure information in relation to Article 6 (2) of the European Commission Delegated Regulation (EU) (2016/958) supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council (including as that Delegated Regulation is implemented into United Kingdom domestic law and regulation following the United Kingdom's departure from the European Union and the European Economic Area) with regard to regulatory technical standards for the technical arrangements for objective presentation of investment recommendations or other information recommending or suggesting an investment strategy and for disclosure of particular interests or indications of conflicts of interest is available at <a href="https://www.gs.com/disclosures/europeanpolicy.html">https://www.gs.com/disclosures/europeanpolicy.html</a> which states the European Policy for Managing Conflicts of Interest in Connection with Investment Research.

**Japan:** Goldman Sachs Japan Co., Ltd. is a Financial Instrument Dealer registered with the Kanto Financial Bureau under registration number Kinsho 69, and a member of Japan Securities Dealers Association, Financial Futures Association of Japan Type II Financial Instruments Firms Association, The Investment Trusts Association, Japan, and Japan Investment Advisers Association. Sales and purchase of equities are subject to commission pre-determined with clients plus consumption tax. See company-specific disclosures as to any applicable disclosures required by Japanese stock

exchanges, the Japanese Securities Dealers Association or the Japanese Securities Finance Company.

### Ratings, coverage universe and related definitions

Buy (B), Neutral (N), Sell (S) Analysts recommend stocks as Buys or Sells for inclusion on various regional Investment Lists. Being assigned a Buy or Sell on an Investment List is determined by a stock's total return potential relative to its coverage universe. Any stock not assigned as a Buy or a Sell on an Investment List with an active rating (i.e., a stock that is not Rating Suspended, Not Rated, Early-Stage Biotech, Coverage Suspended or Not Covered), is deemed Neutral. Each region manages Regional Conviction Lists, which are selected from Buy rated stocks on the respective region's Investment Lists and represent investment recommendations focused on the size of the total return potential and/or the likelihood of the realization of the return across their respective areas of coverage. The addition or removal of stocks from such Conviction Lists are managed by the Investment Review Committee or other designated committee in each respective region and do not represent a change in the analysts' investment rating for such stocks.

**Total return potential** represents the upside or downside differential between the current share price and the price target, including all paid or anticipated dividends, expected during the time horizon associated with the price target. Price targets are required for all covered stocks. The total return potential, price target and associated time horizon are stated in each report adding or reiterating an Investment List membership.

**Coverage Universe:** A list of all stocks in each coverage universe is available by primary analyst, stock and coverage universe at <a href="https://www.gs.com/research/hedge.html">https://www.gs.com/research/hedge.html</a>.

Not Rated (NR). The investment rating, target price and earnings estimates (where relevant) are removed pursuant to Goldman Sachs policy when Goldman Sachs is acting in an advisory capacity in a merger or in a strategic transaction involving this company, when there are legal, regulatory or policy constraints due to Goldman Sachs' involvement in a transaction, and in certain other circumstances. Early-Stage Biotech (ES). An investment rating and a target price are not assigned pursuant to Goldman Sachs policy when this company neither has a drug, treatment or medical device that has passed a Phase II clinical trial nor a license to distribute a post-Phase II drug, treatment or medical device. Rating Suspended (RS). Goldman Sachs Research has suspended the investment rating and price target for this stock, because there is not a sufficient fundamental basis for determining an investment rating or target price. The previous investment rating and target price, if any, are no longer in effect for this stock and should not be relied upon. Coverage Suspended (CS). Goldman Sachs has suspended coverage of this company. Not Covered (NC). Goldman Sachs does not cover this company.

### **Global product; distributing entities**

Goldman Sachs Global Investment Research produces and distributes research products for clients of Goldman Sachs on a global basis. Analysts based in Goldman Sachs offices around the world produce research on industries and companies, and research on macroeconomics, currencies, commodities and portfolio strategy. This research is disseminated in Australia by Goldman Sachs Australia Pty Ltd (ABN 21 006 797 897); in Brazil by Goldman Sachs do Brasil Corretora de Títulos e Valores Mobiliários S.A.; Public Communication Channel Goldman Sachs Brazil: 0800 727 5764 and / or contatogoldmanbrasil@gs.com. Available Weekdays (except holidays), from 9am to 6pm. Canal de Comunicação com o Público Goldman Sachs Brasil: 0800 727 5764 e/ou contatogoldmanbrasil@gs.com. Horário de funcionamento: segunda-feira à sexta-feira (exceto feriados), das 9h às 18h; in Canada by Goldman Sachs & Co. LLC; in Hong Kong by Goldman Sachs (Asia) L.L.C.; in India by Goldman Sachs (India) Securities Private Ltd.; in Japan by Goldman Sachs Japan Co., Ltd.; in the Republic of Korea by Goldman Sachs (Asia) L.L.C., Seoul Branch; in New Zealand by Goldman Sachs New Zealand Limited; in Russia by OOO Goldman Sachs; in Singapore by Goldman Sachs (Singapore) Pte. (Company Number: 198602165W); and in the United States of America by Goldman Sachs & Co. LLC. Goldman Sachs International has approved this research in connection with its distribution in the United Kingdom.

Goldman Sachs International ("GSI"), authorised by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA, has approved this research in connection with its distribution in the United Kingdom.

European Economic Area: GSI, authorised by the PRA and regulated by the FCA and the PRA, disseminates research in the following jurisdictions within the European Economic Area: the Grand Duchy of Luxembourg, Italy, the Kingdom of Belgium, the Kingdom of Denmark, the Kingdom of Norway, the Republic of Finland and the Republic of Íreland; GSI - Succursale de Paris (Paris branch) which is authorised by the French Autorité de contrôle prudentiel et de resolution ("ACPR") and regulated by the Autorité de contrôle prudentiel et de resolution and the Autorité des marches financiers ("AMF") disseminates research in France; GSI - Sucursal en España (Madrid branch) authorized in Spain by the Comisión Nacional del Mercado de Valores disseminates research in the Kingdom of Spain; GSI - Sweden Bankfilial (Stockholm branch) is authorized by the SFSA as a "third country branch" in accordance with Chapter 4, Section 4 of the Swedish Securities and Market Act (Sw. lag (2007:528) om värdepappersmarknaden) disseminates research in the Kingdom of Sweden; Goldman Sachs Bank Europe SE ("GSBE") is a credit institution incorporated in Germany and, within the Single Supervisory Mechanism, subject to direct prudential supervision by the European Central Bank and in other respects supervised by German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and Deutsche Bundesbank and disseminates research in the Federal Republic of Germany and those jurisdictions within the European Economic Area where GSI is not authorised to disseminate research and additionally, GSBE, Copenhagen Branch filial af GSBE, Tyskland, supervised by the Danish Financial Authority disseminates research in the Kingdom of Denmark; GSBE - Sucursal en España (Madrid branch) subject (to a limited extent) to local supervision by the Bank of Spain disseminates research in the Kingdom of Spain; GSBE - Succursale Italia (Milan branch) to the relevant applicable extent, subject to local supervision by the Bank of Italy (Banca d'Italia) and the Italian Companies and Exchange Commission (Commissione Nazionale per le Società e la Borsa "Consob") disseminates research in Italy; GSBE - Succursale de Paris (Paris branch), supervised by the AMF and by the ACPR disseminates research in France; and GSBE - Sweden Bankfilial (Stockholm branch), to a limited extent, subject to local supervision by the Swedish Financial Supervisory Authority (Finansinpektionen) disseminates research in the Kingdom of Sweden.

## **General disclosures**

This research is for our clients only. Other than disclosures relating to Goldman Sachs, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. The information, opinions, estimates and forecasts contained herein are as of the date hereof and are subject to change without prior notification. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgment.

Goldman Sachs conducts a global full-service, integrated investment banking, investment management, and brokerage business. We have investment banking and other business relationships with a substantial percentage of the companies covered by Global Investment Research. Goldman Sachs & Co. LLC, the United States broker dealer, is a member of SIPC (<a href="https://www.sipc.org">https://www.sipc.org</a>).

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

The analysts named in this report may have from time to time discussed with our clients, including Goldman Sachs salespersons and traders, or may discuss in this report, trading strategies that reference catalysts or events that may have a near-term impact on the market price of the equity securities

discussed in this report, which impact may be directionally counter to the analyst's published price target expectations for such stocks. Any such trading strategies are distinct from and do not affect the analyst's fundamental equity rating for such stocks, which rating reflects a stock's return potential relative to its coverage universe as described herein.

We and our affiliates, officers, directors, and employees will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research, unless otherwise prohibited by regulation or Goldman Sachs policy.

The views attributed to third party presenters at Goldman Sachs arranged conferences, including individuals from other parts of Goldman Sachs, do not necessarily reflect those of Global Investment Research and are not an official view of Goldman Sachs.

Any third party referenced herein, including any salespeople, traders and other professionals or members of their household, may have positions in the products mentioned that are inconsistent with the views expressed by analysts named in this report.

This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

Certain transactions, including those involving futures, options, and other derivatives, give rise to substantial risk and are not suitable for all investors. Investors should review current options and futures disclosure documents which are available from Goldman Sachs sales representatives or at <a href="https://www.theocc.com/about/publications/character-risks.jsp">https://www.theocc.com/about/publications/character-risks.jsp</a> and <a href="https://www.fiadocumentation.org/fia/regulatory-disclosures/fia-uniform-futures-and-options-on-futures-risk-disclosures-booklet-pdf-version-2018">https://www.fiadocumentation.org/fia/regulatory-disclosures/fia-uniform-futures-risk-disclosures-booklet-pdf-version-2018</a>. Transaction costs may be significant in option strategies calling for multiple purchase and sales of options such as spreads. Supporting documentation will be supplied upon request.

Differing Levels of Service provided by Global Investment Research: The level and types of services provided to you by Goldman Sachs Global Investment Research may vary as compared to that provided to internal and other external clients of GS, depending on various factors including your individual preferences as to the frequency and manner of receiving communication, your risk profile and investment focus and perspective (e.g., marketwide, sector specific, long term, short term), the size and scope of your overall client relationship with GS, and legal and regulatory constraints. As an example, certain clients may request to receive notifications when research on specific securities is published, and certain clients may request that specific data underlying analysts' fundamental analysis available on our internal client websites be delivered to them electronically through data feeds or otherwise. No change to an analyst's fundamental research views (e.g., ratings, price targets, or material changes to earnings estimates for equity securities), will be communicated to any client prior to inclusion of such information in a research report broadly disseminated through electronic publication to our internal client websites or through other means, as necessary, to all clients who are entitled to receive such reports.

All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client websites. Not all research content is redistributed to our clients or available to third-party aggregators, nor is Goldman Sachs responsible for the redistribution of our research by third party aggregators. For research, models or other data related to one or more securities, markets or asset classes (including related services) that may be available to you, please contact your GS representative or go to <a href="https://research.gs.com">https://research.gs.com</a>.

Disclosure information is also available at <a href="https://www.gs.com/research/hedge.html">https://www.gs.com/research/hedge.html</a> or from Research Compliance, 200 West Street, New York, NY 10282.

#### © 2025 Goldman Sachs.

You are permitted to store, display, analyze, modify, reformat, and print the information made available to you via this service only for your own use. You may not resell or reverse engineer this information to calculate or develop any index for disclosure and/or marketing or create any other derivative works or commercial product(s), data or offering(s) without the express written consent of Goldman Sachs. You are not permitted to publish, transmit, or otherwise reproduce this information, in whole or in part, in any format to any third party without the express written consent of Goldman Sachs. This foregoing restriction includes, without limitation, using, extracting, downloading or retrieving this information, in whole or in part, to train or finetune a machine learning or artificial intelligence system, or to provide or reproduce this information, in whole or in part, as a prompt or input to any such system.