



# Investment Product Guide- Interest Rate Swap (IRS)

I have read the Investment Product Guide of the above product,  
and I acknowledge that I understand its features and risks.

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_



**Warning:**

This document covers certain structured products involving derivatives. The investment decision is yours but you should not invest in the structured product unless (i) the intermediary who solicits or recommends the structured product to you/your professional advisor has explained to you and advised you that the structured product is suitable for you having regard to your financial situation, investment experience and investment objectives; and (ii) you fully understand and are willing to assume the risks associated with it.

The contents of this document have not been reviewed by any regulatory authority in Hong Kong and/or Singapore. You are advised to exercise caution when you review the contents of this document. If you are in any doubt about any of the contents of this document, you should obtain independent professional advice.

This document is being provided for discussion purposes only and it is NOT intended to set forth the definitive terms of any transaction. The terms of any proposed transaction described herein are consequently subject to change without notice.

The products described herein are not registered with the Monetary Authority of Singapore or authorized by the Hong Kong Securities and Futures Commission. Respective selling restrictions apply.

The Bank will provide Product Issuing Programme / Offering Memorandum / Pricing Supplement / Offering Circular / Base Prospectus.

# Agenda



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

- Product Knowledge – IRS
  - Definition
  - Usage and Target Clients of IRS
  - Product Features
  - Benefits
  - Risk

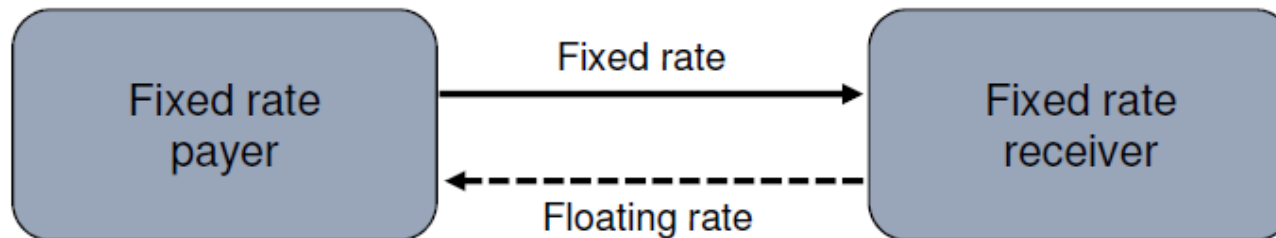
# What is interest rate swap?



- Interest rate swap is a contractual arrangement between two parties, a.k.a “counterparties”.
- The counterparties agree to exchange interest payments based on a defined principal amount, for a fixed period of time.
- IRS usually involved an exchange of “fixed interest rate” for a “floating interest rate” on a defined nominal amount

TYPE (Plain Vanilla):

- Fixed-To-Float
- Float-To-Fixed





# What is interest rate swap?

- IRS mainly used for hedging against interest rate risks
- Increasingly used for speculation
- IRS are OTC instruments that the contract can be constructed to meet client specific requirement. The underlying parameters (ie, tenor, barometer) are agreed individually by the counterparties
- The principal amount is not actually exchanged, but rather only use for calculating the size of cash flows to be exchanged
  
- Common use of IRS:
  - 1) Hedge fixed income positions against rising interest rates (asset swap)
  - 2) Hedge floating-rate financing against rising interest rates (liability swap)

# What is interest rate swap?



- *Receiver:*
- Usually refer to counterparty “receive” fixed rate and PAY floating rate
- *Payer:*
- Usually refer to counterparty “pay” fixed rate and RECEIVE floating rate
  
- Floating interest rate is normally based on the standard reference rates used in interbank ie LIBOR or EURIBOR, and the reset frequency usually follow the interest rate index itself.



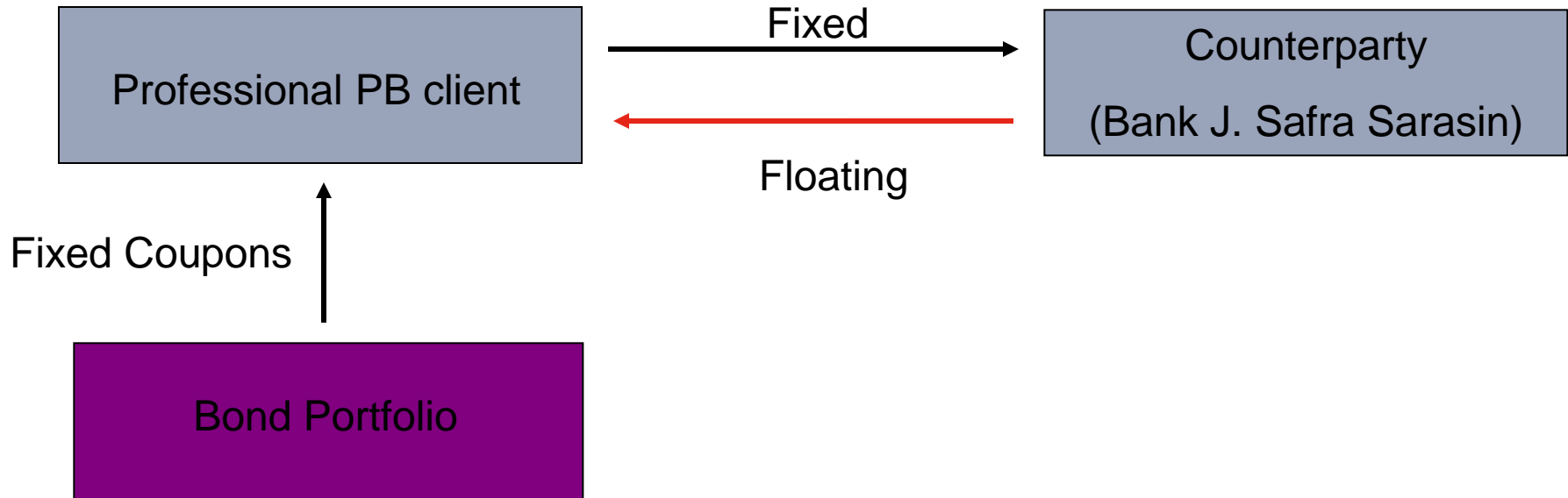
# Target clients

- Due to high minimum size requirement (normally USD5 million or equivalent), Interest rate swaps are usually for institutional clients or professional PB clients

Commonly used by:

- Commercial banks and insurance companies
- Corporate Treasuries and funding companies
- Asset managers, hedge funds and family offices
- Pension funds and real estate companies
- Professional private banking clients

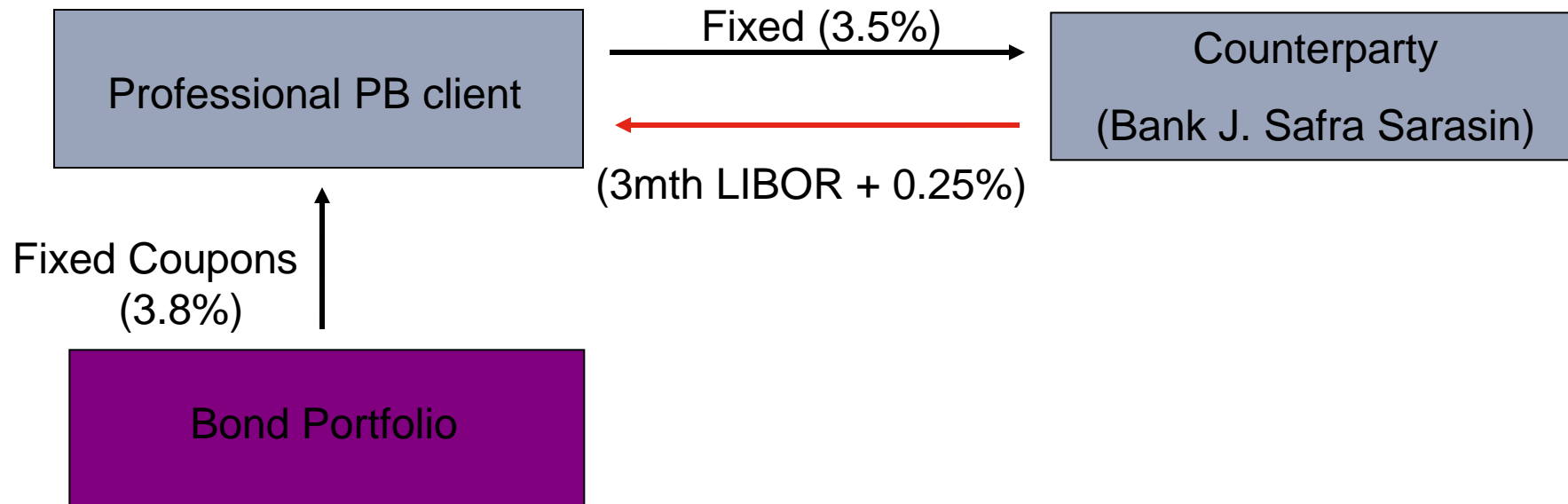
# Interest rate swaps – assets side



- **Asset Swap:** Example showed a conversion of fixed rate investment for floating rate investment
- Use of IRS to hedge against rising interest rates. (The loss of value in the bond portfolio will be at least “partially” offset by the increased value of the IRS)



# Interest rate swaps – assets side (example)



- **Asset Swap:** Client that receive fixed coupons can enter a “payer swap” (pay fixed FOR float) to hedge against potential rise in interest rate.
- In this case, client received 3.8% fixed coupon, pay 3.5% fixed rate for a floating rate of 3mth LIBOR + 0.25%

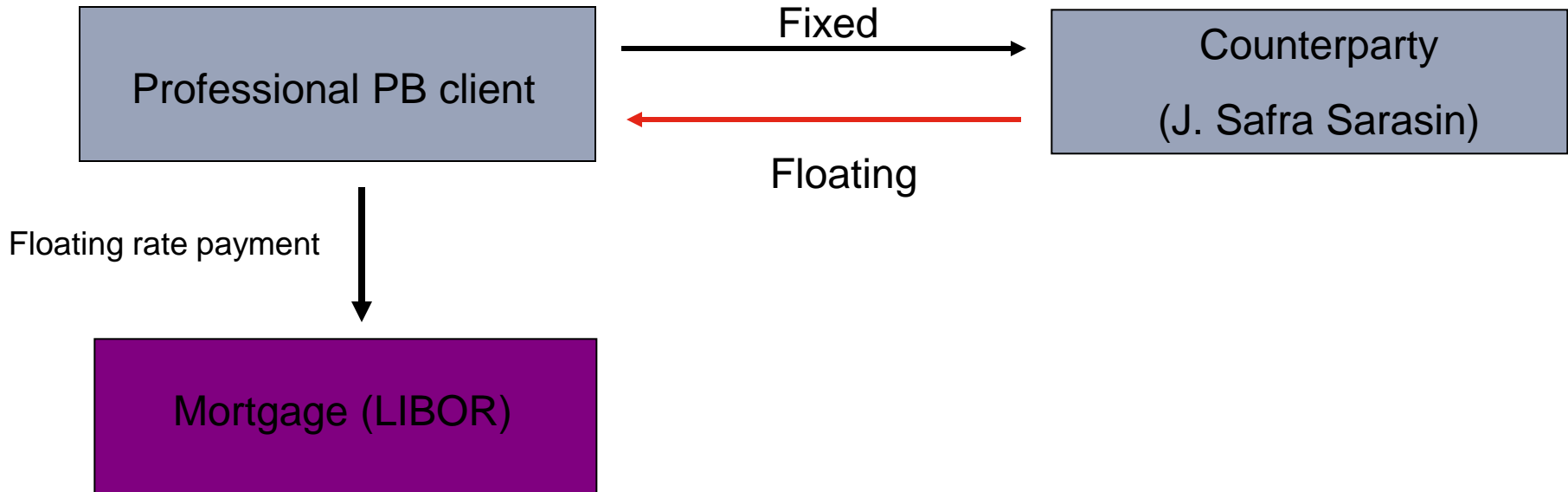
Source: Bloomberg

The above information is indicative only and does not represent the terms of any transaction.



- However, A single overall interest rate swap may not be a perfect hedge for a bond portfolio given individual bonds will have different maturities
- *Micro-hedge:*
- Hedged the bond portfolio with separate interest rate swaps according to the characteristics of the respective bonds
- Maturity (ie group all bonds with similar maturities)
- Coupon (ie group all bonds with similar coupon)
- Nominal (ie group all bonds with similar nominal size)

# Interest rate swaps – liabilities side



- **Liability Swap:** Example showed a conversion of floating rate loans into fixed rate payment
- In this case, client engaged in an IRS to pay predetermined fixed rate for a floating interest rate that match the mortgage payment (hedge against potential rise in interest rate)

- ***Liquidity***

- Swap markets are very liquid that can be easily cater for large ticket sizes, and usually quote in very tight bid-ask spread

- ***Transparency***

- Swap rates are published and easily to obtain through different channels (ie Bloomberg, Reuters) at an ongoing basis

- ***Flexibility***

- IRS can be tailor made to meet clients' specific requirement with regard to the nominal, start date, maturity, interest rate and use of index (LIBOR, EURIBOR)

- ***Efficiency***

- Hedge interest rate risks in an efficiently and cost effectively manner without changing the underlying positions (ie, sell bonds to change the duration)

# Risk of IRS



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

- ***Credit risk (counterparty risk)***
- Default of the counterparty in an IRS transaction
- ***Market risk***
- Interest rate trend move in opposite direction vis-à-vis to the client's IRS position
- ***Liquidity risk***
- Despite IRS is extremely liquid with price available even in times of market turbulence, price may only available in more conservative levels in the form of a wider bid-offer spread

# Important note



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

- Interest rate swaps are offered in different major currencies with the terms of 2 to 10 years
- Clients must have signed and returned the new account opening document (AOD) and Credit Documents before any IRS transactions
- IRS contracts only available for Professional Investors (PI) / Accredited Investors (AI) ONLY
- Client must have an adequate credit limit
- Details of a transaction must be understood by all parties involved
- Margin for IRS is 5%
- Risk Level 5 (1 to 5, with 5 being the highest)

# Disclaimer 1/4



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

## Important legal information

This document has been prepared by the Financial Strategies Advisory department ("FSA") of Bank J. Safra Sarasin Ltd, Switzerland, (hereafter the "Bank") for information purposes only. It is not the result of financial research conducted by the Bank's research department nor the result of any other detailed due diligence conducted by the Bank. Although it may contain quotes of research analysts or quote research documents, this document cannot be considered as investment research or a research recommendation for regulatory purposes as it does not constitute substantive research or analysis. Therefore the "Directives on the Independence of Financial Research" of the Swiss Bankers Association do not apply to this document. Any views, opinions and commentaries in this document (together the "Views") are short/mid-term FSA views and may differ from those of the Bank's research or other departments. The Bank may make investment decisions or take proprietary positions that are inconsistent with the Views expressed herein. It may also provide advisory or other services to companies mentioned in this document resulting in a conflict of interest that could affect the Bank's objectivity. While the Bank has taken steps to avoid or disclose, respectively, such conflicts, it cannot make any representation in such regard. You acknowledge and agree with such potential conflicts of interests.

The information, opinions and estimates contained in this document are for information purposes only. The Views contained in this document are those of the FSA as per the date of writing and may be subject to change without notice. This document is based on publicly available information and data (the "Information"). The Bank has not verified and is unable to guarantee the accuracy and completeness of the Information contained herein. Possible errors or incompleteness of the Information do not constitute legal grounds (contractual or tort) for the recipient to bring an action against the Bank. In particular, neither the Bank nor its shareholders and employees shall be liable for the information, opinions and estimates contained in this document. Certain investments and/or financial instruments contained herein may involve the use of leveraging, the use of derivative instruments, exposure to emerging markets or potentially volatile markets and can therefore be subject to significantly higher risks and may not be suitable for all investors. The value of, the income from, the annualised returns of or the projected returns of such investments may fluctuate and/or be affected by economic, financial and political factors, including interest and exchange rates, market volatility and market conditions.

Any prices set out in this document are for indicative and/or illustrative purposes only and may vary in accordance with market fluctuations and other market circumstances.

Unless specifically agreed, the principal amount invested is not guaranteed and investors may end up receiving either (i) an amount less than the principal amount invested or (ii) securities with a value substantially below that of the principal amount invested. No assurance (whether express or implied) is given to the effect that any of the issuer, the guarantor or any of their affiliates will make a market in the product, nor that there will be a secondary market in such product. The value of the product also depends on the ability of the issuer and the guarantor, if applicable, to perform their obligations thereunder.

This document is not intended to, and does not, provide individually tailored investment advice. It has been prepared without taking into account the objectives, financial situation or needs of particular investors. When you acquire an investment or product, unless the Bank has specifically solicited or advised you to acquire an investment or product, you give your orders or instructions in reliance on your own judgment, taking into account your overall financial situation, composition of your investment portfolio and your other assets, your investment objectives, attitude to risk, performance aspiration, tolerance to possible capital loss, liquidity requirements and any matters which you consider to be appropriate. The Bank does not make any representation or assess the suitability of such investment or product. Further, the Bank makes no representation as to their future performance. Nothing in this document constitutes investment, legal, accounting or tax advice, or a representation that any investment or strategy is suitable or appropriate for an investor's individual circumstances, or otherwise constitutes a personal recommendation for any specific investor. Before entering into any transaction or acquiring any product, you should independently assess with your professional advisers the specific risks relating to such transaction or product, such as maximum losses which the investor may incur, currency risks as well as any legal, regulatory, credit, tax (including the legal and tax regimes in the countries of your citizenship, residence, domicile and/or place of incorporation (as the case may be) and any applicable exchange control regulations) and accounting consequences arising from entering into any transactions or purchasing any products. Direct investments in U.S. securities may expose the investor to U.S. taxation (e.g. U.S. estate tax) and may lead to U.S. taxation of the investor even in cases where the investor is not domiciled in the U.S. and/or does not have U.S. person status.

Investments in services and products mentioned in this document should only be made after a thorough reading of the available product/services documentation, in case of mutual funds especially the Key Investor Information Document. The Bank will make available the relevant issuer's product documentation to facilitate you to understand the relevant transaction or product.

Past performance is not an indication of current or future performance. The return of a financial instrument may go down as well as up due to changes in rates of exchange between currencies. The Bank does not assume any liability, neither explicit nor implicit for the future performance of a financial instrument.

# Disclaimer 2/4



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

The Bank may receive commissions or fees for placement or distribution of financial products either as an initial charge and/or as ongoing fees during the holding period of the financial products. Such commissions or fees are considerations for services rendered by the Bank to the issuers and managers of the financial products, including but not limited to the use of the Bank's distribution channel. Investors acknowledge that the Bank may receive and keep such commissions and fees and that such commissions and fees will not be passed on to investors. Although measures are taken to avoid or limit conflicts of interest, the Bank cannot guarantee that such conflicts of interest will not occur. Specifically, the prospect of receiving, or the receipt of, commissions and fees described above may provide the Bank with an incentive to favour sales of certain financial products over others to which the Bank does not receive such commissions or fees, or receive lower commissions or fees. You acknowledge and agree that the Bank may receive such commissions or fees. This document may only be distributed in countries where its distribution is legally permitted. This information is not directed to any person in any jurisdiction where (by reason of that person's nationality, residence or otherwise) such offering is prohibited. Consequently, services and/or products mentioned in this document may not be available in all countries. Interested parties should contact the local J. Safra Sarasin Group-representative to be informed about the services and products available in their country of residence.

This document is disseminated as follows:

**Switzerland:** In Switzerland this document is distributed by Bank J. Safra Sarasin Ltd, regulated by the Swiss Financial Market Supervisory Authority FINMA. All investment funds mentioned in this document are approved for distribution in Switzerland. Structured products do not constitute a participation in such investment funds. Therefore, they are not supervised by the Swiss Financial Market Supervisory Authority FINMA and the investor does not benefit from the specific protection provided under the Swiss Federal Act on Collective Investment Schemes. This document is not a simplified prospectus as stated in Art. 5 of the Swiss Federal Act on Collective Investment Schemes.

**Monaco:** Bank J. Safra Sarasin (Monaco) SA, an institution regulated by the Minister of State for Monaco and the Bank of France, is sending to its clients this document prepared by the Bank.

**Luxembourg:** This marketing document has been prepared by Bank J. Safra Sarasin Ltd (the "Swiss Bank"), a sister company of Banque J. Safra Sarasin (Luxembourg) S.A. (the "Luxembourg Bank"), having its registered office at 10a, Boulevard Joseph II, L-1840 Luxembourg, which is subject to the supervision of the *Commission de surveillance du secteur financier* - CSSF on the basis of information at the disposal of the Swiss Bank or at the disposal of the other entities mentioned in the present document.

This document is not the result of a substantive research or financial analysis and does not constitute investment research or research recommendation, notably within the meaning of the second paragraph of Article 27 of the Grand-Ducal Regulation of 13 July 2007 relating to organisational requirements and rules of conduct in the financial sector, for the person to whom it is addressed. This document constitutes only general information material for the personal use of the intended recipient to whom it is communicated.

**United Kingdom:** This document is prepared by the Bank. It is a financial promotion for the purposes of section 21 of the Financial Services and Markets Act 2000 (FSMA) and has been approved for distribution in the UK by Bank J. Safra Sarasin (Gibraltar) Ltd. Rules made by the UK Financial Conduct Authority under the FSMA for the protection of retail clients do not apply to services provided by members of the J. Safra Sarasin Group outside the UK and both the Gibraltar Investor Compensation Scheme and the UK Financial Services Compensation Scheme will not apply.

**Singapore:**

## **Important Notice**

Warning: The contents of this document and the investments contained herein have not been reviewed, registered or authorized, by any regulatory authority in Singapore. You are advised to exercise caution in relation to the investment(s) detailed in this document. If you are in doubt about any of the matters detailed herein, you should obtain independent professional advice.





## Derivatives Warning

The investment(s) detailed in this document may involve certain structured product(s) containing derivatives, in which event the investment decision is yours but you should not invest in the investment detailed herein unless (i) the intermediary who solicits or recommends the structured products to you/your professional advisor has explained to you and advised you that the structured products are suitable for you having regard to your financial situation, investment experience and investment objectives; and (ii) you fully understand and are willing to assume the risks associated with them.

## Singapore Selling Restriction

This document and related documents may not be distributed or circulated to, and the investment(s) mentioned herein may not be offered or sold or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to the public in Singapore other than (i) to an institutional investor specified in Section 274 of the Securities and Futures Act, Chapter 289 of Singapore (the "SFA"), (ii) to a relevant person pursuant to Section 275 of the SFA, and in accordance with the conditions specified in Section 275 of the SFA or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

Where the products are subscribed or purchased under Section 275 of the SFA by a relevant person which is: (A) a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or (B) a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor, shares, debentures and units of shares and debentures of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within 6 months after that corporation or that trust has acquired the products pursuant to an offer made under Section 275 except: (1) to an institutional investor (for corporations under Section 274 of the SFA) or to a relevant person as defined in Section 275(2) of the SFA, or to any person pursuant to an offer that is made on terms that such shares, debentures and units of shares and debentures of that corporation or such rights and interest in that trust are acquired at a consideration of not less than S\$200,000 (or its equivalent in a foreign currency) for each transaction, whether such amount is to be paid in cash or by exchange of securities or other assets, and further for corporations, in accordance with the conditions specified in Section 275 of the SFA; (2) where no consideration is or will be given for the transfer; or (3) where the transfer is by operation of law.

This document is prepared and issued by Bank J. Safra Sarasin Ltd but distributed by its Singapore branch in the conduct of its business in Singapore. Bank J. Safra Sarasin Ltd, Singapore Branch is an exempt financial adviser under the Singapore Financial Advisers Act (Cap. 110), an offshore bank licensed under the Singapore Banking Act (Cap. 19) and regulated by the Monetary Authority of Singapore.

Bank J. Safra Sarasin, Singapore Branch has obtained an exemption under Section 100(2) of the Financial Advisers Act, Chapter 110 of Singapore, in respect of the provision of financial advisory services to its clients who are "high net worth individuals"; - specific reference is hereby made to Clause 39 of the Conditions for Account Opening and Maintenance in relation to, and which sets out, the said exemptions that Bank J. Safra Sarasin, Singapore Branch may rely upon.

## **Hong Kong:**

### Important Notice

**Warning: The contents of this document and the investments contained herein have not been reviewed, registered or authorized, by any regulatory authority in Hong Kong. You are advised to exercise caution in relation to the investment(s) detailed in this document. If you are in doubt about any of the matters detailed herein, you should obtain independent professional advice.**

## Derivatives Warning

The investment(s) detailed in this document may involve certain structured product(s) which involves derivatives. Do not invest in such structured product(s) unless you fully understand and are willing to assume the risks associated with it/them. If you are in any doubt about the risks involved in the product(s), you may clarify with the Bank, Hong Kong branch or seek independent professional advice.

# Disclaimer 4/4



J. SAFRA SARASIN



Sustainable Swiss Private Banking since 1841

This document is prepared and issued by Bank J. Safra Sarasin Ltd but distributed by each of its branches in Singapore and Hong Kong in the conduct of their respective businesses in Singapore and Hong Kong. Bank J. Safra Sarasin Ltd, Hong Kong Branch is a licensed bank under the Hong Kong Banking Ordinance (Cap. 155 of the laws of Hong Kong) and a registered institution under the Securities and Futures Ordinance (Cap. 571 of the laws of Hong Kong) (CE Number AHX 499) to carry out Types 1 (dealing in securities) and 4 (advising on securities) regulated activities as defined under the Securities and Futures Ordinance.

## **Hong Kong Selling Restriction**

This document and its contents are not intended and shall not in any way be construed as an offer or solicitation to the public in Hong Kong for the purchase or sale of any securities, regulated investment agreement or collective investment scheme. This document has not and will not be registered or authorized (whether by the Securities and Futures Commission or otherwise) in Hong Kong nor has its content been reviewed by any regulatory authority in Hong Kong. Accordingly, unless permitted by the securities laws of Hong Kong, (i) in the case of any product herein being a share or debenture of a company, no person may issue or cause to be issued this document in Hong Kong, other than to persons who are "professional investors" as defined in the Securities and Futures Ordinance (Chapter 571) of the Laws of Hong Kong) and any rules made thereunder or in circumstances which do not result in the document being a "prospectus" as defined in the Companies Ordinance (Chapter 32 of the Laws of Hong Kong) or which do not constitute an offer to the public within the meaning of that Ordinance; and other cases, no investment agreement or collective investment scheme, whether in Hong Kong or (ii) in elsewhere, which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong, other than with respect to securities, regulated investment agreement or collective investment scheme which are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the Securities and Futures Ordinance and any rules made thereunder. If an investor is in doubt about any of the contents of this document, the investor should obtain independent professional advice.

**Bahamas:** This document is distributed to private clients of Bank J. Safra Sarasin (Bahamas) Ltd and is not intended for distribution to persons designated as a Bahamian citizen or resident under the Bahamas Exchange Control Regulations.

**Panama:** This document is presented, based solely on public information openly available to the general public, by J. Safra Sarasin Asset Management S.A., Panama.

**Qatar Financial Centre (QFC):** This document is only intended to be distributed by Bank J. Safra Sarasin (QFC) LLC, Qatar ("BJSSQ") from QFC to Business Customers as defined by the Qatar Financial Centre Regulatory Authority (QFCRA) Rules. Bank J. Safra Sarasin (QFC) LLC is authorized by QFCRA.

This document may also includes a collective investment scheme (Fund) that is not registered in the QFC or regulated by the Regulatory Authority. Any issuing document / prospectus for the Fund, and any related documents, have not been reviewed or approved by the Regulatory Authority. Investors in the Fund may not have the same access to information about the Fund that they would have to information of a fund registered in the QFC; and recourse against the Fund, and those involved with it, may be limited or difficult and may have to be pursued in a jurisdiction outside the QFC.

**Dubai International Financial Centre (DIFC):** This document is only intended to be distributed by Bank J. Safra Sarasin Asset Management (Middle East) Ltd ("BJSSAM") from DIFC to professional clients as defined by the DFSA. BJSSAM is duly authorised and regulated by DFSA. If you do not understand the contents of this document you should consult an authorised financial adviser. This document may also include Funds which are not subject to any form of regulation or approval by the Dubai Financial Services Authority ("DFSA"). The DFSA has no responsibility for reviewing or verifying any Issuing Document or other documents in connection with these Funds. Accordingly, the DFSA has not approved the Issuing Document or any other associated documents nor taken any steps to verify the information set out in the Issuing Document, and has no responsibility for it. The Units to which the Issuing Document relates may be illiquid and/or subject to restrictions on their resale. Prospective purchasers should conduct their own due diligence on the Units.

The entire content of this document is protected by copyright law (all rights reserved). The use, modification or duplication in whole or part of this document is only permitted for private, non-commercial purposes by the interested party. When doing so, copyright notices and branding must neither be altered nor removed. Any usage over and above this requires the prior written approval of the Bank. The same applies to the circulation of this document. Third party data providers make no warranties or representation of any kind relating to the accuracy, completeness or timeliness of the data provided and shall have no liability for any damages of any kind relating to such data.