

Company	Symbol	Industry
3D SYSTEMS CORP	DDD	Industrials
AARDVARK THERAPEUTICS	AARD	Health Care
	ALMU	Technology
AETHER HOLDINGS	ATHR	Financials
AIRJOULE TECHNOLOGIES CO	AIRJ	Industrials
ALLBIRDS	BIRD	Consumer Discretionary
ALLIED GAMING & ENTERTAI	AGAE	Consumer Discretionary
AMCON DISTRG CO	DIT	Consumer Staples
AMPLITECH GROUP	AMPG	Industrials
ANGI	ANGI	Technology
ARENA GROUP HOLDINGS INC	AREN	Technology
ARMLOGI HOLDING CORP	BTOC	Industrials
ATARA BIOTHERAPEUTICS	ATRA	Health Care
ATLANTIC INTERNATIONAL C	ATLN	Health Care
AVALO THERAPEUTICS	AVTX	Health Care
B RILEY SECURIT	RILY	Financials
BALLYS CORPORATION	BALY	Consumer Discretionary
BARFRESH FOOD GROUP	BRFH	
BARNES & NOBLE EDUCATION	BNED	Consumer Staples Consumer Discretionary
BETTER HOME & FINANCE HO	BETR	Financials
BEYOND INC	BYON	
BEYOND MEAT	BYND	Consumer Discretionary
BRIGHT MINDS BIOSCIENCES		Consumer Staples
	DRUG	Health Care
BTCS INC	BTCS	Technology
	BFLY	Health Care
BUZZFEED INC (A)	BZFD	Technology
	CVKD	Health Care
	SAVA	Health Care
	CBNA	Financials
	CNVS	Consumer Discretionary
CLARITEV CORPORATION (A)	CTEV	Health Care
	CSAI	Industrials
	SPWR	Energy
	LODE	Basic Materials
COSTAMARE BULKERS HOLDIN	CMDB	Industrials
CUMBERLAND PHARM	CPIX	Health Care
CYTOSORBENTS CORP	CTSO	Health Care
DEFI DEVELOPMENT CORP	DFDV	Financials
DESIGNER BRANDS INC	DBI	Consumer Discretionary
DOMINARI HOLDINGS	DOMH	Health Care
DUOS TECHNOLOGIES GROUP	DUOT	Technology
EAGLE FINANCIALSERVICES	EFSI	Financials
EDITAS MEDICINE INC	EDIT	Health Care
EUROPEAN WAX CENTER	EWCZ	Consumer Discretionary
EVENTBRITE	ЕВ	Technology
EXAGEN	XGN	Health Care
EXICURE	XCUR	Health Care
FARADAY FUTURE INTELLIGE	FFAI	Consumer Discretionary
FATE THERAPEUTICS INC	FATE	Health Care



Commonwe	Cumb al	lu du atm.
Company	Symbol	Industry
FATPIPE	FATN	Technology
FB BANCORP	FBLA	Financials
FEMASYS	FEMY	Health Care
FERROGLOBE PLC	GSM	Basic Materials
	FDSB	Financials
	FOA	Financials
	AIFF	Technology
FLANIGANS ENTERPRISES	BDL	Consumer Discretionary
FLEXIBLE SOLUTIONS INTL	FSI	Basic Materials
FLEXSHOPPER	FPAY	Consumer Discretionary
FOCUS UNIVERSAL INC	FCUV	Consumer Discretionary
FORTE BIOSCIENCES	FBRX	Health Care
FOSSIL GROUP INC	FOSL	Consumer Discretionary
FOXX DEVELOPMENT HOLDING	FOXX	Telecommunications
FTC SOLAR	FTCI	Energy
FUELCELL ENERGY INC	FCEL	Energy
GBANK FINANCIAL HOLDINGS	GBFH	Financials
GD CULTURE GROUP LTD (N	GDC	Energy
GEVO INC	GEVO	Energy
GIFTIFY INC	GIFT	Technology
GINKGO BIOWORKS INC (A)	DNA	Health Care
GOSSAMER BIO	GOSS	Health Care
GREEN PLAINS INC	GPRE	Energy
INHIBIKASE THERAPEUTICS	ІКТ	Health Care
INNOVATE CORP	VATE	Industrials
INNOVATE CORP INSPIREMD INC	VATE NSPR	Industrials Health Care
	NSPR	Health Care
INSPIREMD INC INTELLINETICS	NSPR INLX	Health Care Technology
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS	NSPR INLX IRWD	Health Care Technology Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING	NSPR INLX IRWD JFB	Health Care Technology Health Care Industrials
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC	NSPR INLX IRWD JFB KLRS	Health Care         Technology         Health Care         Industrials         Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES	NSPR INLX IRWD JFB KLRS KZR	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC	NSPR INLX IRWD JFB KLRS KZR KSCP	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A)	NSPR INLX IRWD JFB KLRS KZR KSCP KORE	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Health Care         Industrials         Technology
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF	Health Care         Technology         Health Care         Industrials         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KORE KOSS KULR LSF LASE	Health Care         Technology         Health Care         Industrials         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KORE KOSS KULR LSF LASE LDI	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KORE KOSS KULR LSF LASE LDI LPA	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Real Estate
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LDI LPA LUCD	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials         Real Estate         Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A)	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials         Real Estate         Health Care         Consumer Discretionary
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials         Real Estate         Health Care         Consumer Discretionary
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN MAMO	Health CareTechnologyHealth CareIndustrialsHealth CareIndustrialsTechnologyConsumer DiscretionaryTechnologyConsumer StaplesTechnologyFinancialsReal EstateHealth CareConsumer DiscretionaryConsumer Discretionary
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS MASSIMO GROUP MDXHEALTH SA	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN MAMO MDXH	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials         Real Estate         Health Care         Consumer Discretionary         Consumer Discretionary         Consumer Discretionary         Health Care         Consumer Discretionary         Health Care         Health Care         Health Care         Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS MASSIMO GROUP MDXHEALTH SA MEDICUS PHARMA LTD	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN MAMO MDXH MDCX	Health Care         Technology         Health Care         Industrials         Health Care         Health Care         Industrials         Technology         Consumer Discretionary         Technology         Consumer Staples         Technology         Financials         Real Estate         Health Care         Consumer Discretionary         Consumer Discretionary         Consumer Discretionary         Health Care         Consumer Discretionary         Health Care
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS MASSIMO GROUP MDXHEALTH SA MEDICUS PHARMA LTD MESA AIR GROUP INC	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN MAMO MDXH MDCX MESA	Health CareTechnologyHealth CareIndustrialsHealth CareHealth CareIndustrialsTechnologyConsumer DiscretionaryTechnologyConsumer StaplesTechnologyFinancialsReal EstateHealth CareConsumer DiscretionaryConsumer DiscretionaryHealth CareConsumer DiscretionaryConsumer DiscretionaryHealth CareConsumer Discretionary
INSPIREMD INC INTELLINETICS IRONWOOD PHARMACEUTICALS JFB CONSTRUCTION HOLDING KALARIS THERAPEUTICS INC KEZAR LIFE SCIENCES KNIGHTSCOPE INC KORE GROUP HOLDINGS (A) KOSS KULR TECHNOLOGY GROUP LAIRD SUPERFOOD LASER PHOTONICS LOANDEPOT LOGISTIC PROPERTIES OF T LUCID DIAGNOSTICS LUMINAR TECHNOLOGIES (A) MARWYNN HOLDINGS MASSIMO GROUP MDXHEALTH SA MEDICUS PHARMA LTD MESA AIR GROUP INC METHODE ELECTRS INC	NSPR INLX IRWD JFB KLRS KZR KSCP KORE KOSS KULR LSF LASE LDI LPA LUCD LAZR MWYN MAMO MDXH MDCX MESA MEI	Health CareTechnologyHealth CareIndustrialsHealth CareHealth CareIndustrialsTechnologyConsumer DiscretionaryTechnologyConsumer StaplesTechnologyFinancialsReal EstateHealth CareConsumer DiscretionaryConsumer DiscretionaryFinancialsReal EstateHealth CareConsumer DiscretionaryConsumer DiscretionaryConsumer DiscretionaryConsumer DiscretionaryTechnologyTechnologyTechnologyConsumer DiscretionaryConsumer DiscretionaryTechnologyTechnologyTechnologyTechnologyTechnologyTechnologyTechnologyTechnologyTechnologyTechnologyTechnology



Company	Symbol	Industry
MIND TECHNOLOGY	MIND	Energy
MONOPAR THERAPEUTICS	MNPR	Health Care
NATIONAL ENERGY SERVICES	NESR	Energy
NATIONAL RESEARCH CORP	NRC	Health Care
NATIONAL RESEARCH CORP	KITT	
NEONC TECHNOLOGIES HOLDI	NTHI	Health Care
NEWEGG COMMERCE	NEGG	Consumer Discretionary
NEXTNRG	NXXT	
		Consumer Discretionary
	NEXN	Consumer Discretionary
	NIXX	Technology
	NPB	Financials
	NRXP	Health Care
NUKKLEUS	NUKK	Financials
	NUTX	Health Care
NUTRIBAND	NTRB	Health Care
ODYSIGHT AI	ODYS	Industrials
OPAL FUELS INC (A)	OPAL	Energy
OPEN LENDING CORP (A)	LPRO	Financials
P3 HEALTH PARTNERS (A)	PIII	Health Care
PALVELLA THERAPEUTICS	PVLA	Health Care
PATRIOT NATIONAL BANCORP	PNBK	Financials
PERSPECTIVE THERAPEUTICS	CATX	Health Care
PLBY GROUP INC	PLBY	Consumer Staples
PLIANT THERAPEUTICS	PLRX	Health Care
POWER SOLUTIONS INTERNAT	PSIX	Industrials
PRENETICS GLOBAL LTD (A)	PRE	Health Care
PRIME MEDICINE INC	PRME	Health Care
QUANTUM CORP	QMCO	Technology
RAIN ENHANCEMENT TECHNOL	RAIN	Industrials
RANI THERAPEUTICS HOLDIN	RANI	Health Care
RAPID MICRO BIOSYSTEMS	RPID	Health Care
RAVE RESTAURANT GROUP	RAVE	Consumer Discretionary
READING INTERNATIONAL CL	RDIB	Consumer Discretionary
REGIS CORP	RGS	Consumer Discretionary
REZOLVE AI	RZLV	Technology
RICHTECH ROBOTICS	RR	Industrials
SAFE PRO GROUP	SPAI	Industrials
SANUWAVE HEALTH	SNWV	Health Care
SATELLOGIC INC (A)	SATL	Industrials
SBC MEDICAL GROUP HOLDIN	SBC	Health Care
SCILEX HOLDING COMPANY	SCLX	Health Care
SEAPORT ENTERTAINMENT GR	SEG	Real Estate
SENTI BIOSCIENCES (A)	SNTI	Health Care
SERES THERAPEUTICS INC	MCRB	Health Care
SERINA THERAPEUTICS INC	SER	Health Care
SIONNA THERAPEUTICS	SION	Health Care
SOLESENCE	SLSN	Basic Materials
SPIRIT AVIATION HOLDINGS	FLYY	Consumer Discretionary
STARZ ENTERTAINMENT CORP	STRZ	Consumer Discretionary
-		

Company	Symbol	Industry
SUMMIT MIDSTREAM CORP	SMC	Energy
SURF AIR MOBILITY INC	SRFM	Consumer Discretionary
SYNTEC OPTICS HOLDIN (A)	OPTX	Technology
TECHTARGET INC	TTGT	Technology
THUMZUP MEDIA CORP	TZUP	Technology
TONIX PHARMACEUTICALS	TNXP	Health Care
TRILLER GROUP	ILLR	Financials
TRISALUS LIFE SCIENCES	TLSI	Health Care
TSS	TSSI	Industrials
TUHURA BIOSCIENCES	HURA	Health Care
TVARDI THERAPEUTICS	TVRD	Health Care
UNITED STATES ANTIMONY	UAMY	Basic Materials
UNUSUAL MACHINES	UMAC	Consumer Discretionary
URBAN ONE	UONE	Consumer Discretionary
VEEA	VEEA	Technology
VICARIOUS SURGICAL (A)	RBOT	Health Care
VIRNETX HOLDING CORP	VHC	Technology
VOX ROYALTY CORP	VOXR	Basic Materials
VROOM	VRM	Technology
WIDEPOINT CORP	WYY	Technology
ZENATECH	ZENA	Technology
ZENTALIS PHARMACEUTICALS	ZNTL	Health Care
ZEO ENERGY CORP	ZEO	Utilities
ZEVIA PBC	ZVIA	Consumer Staples





#### For more information about our indexes, please visit lseg.com/ftse-russell.

© 2025 London Stock Exchange Group plc and its applicable group undertakings ("LSEG"). LSEG includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. "FTSE Canada", (4) FTSE Fixed Income LLC ("FTSE FI"), (5) FTSE (Beijing) Consulting Limited ("WOFE"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, WOFE, and other LSEG entities providing LSEG Benchmark and Index services. "FTSE®", "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "Refinitiv", "Beyond Ratings®", "WMR™", "FR™" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of LSEG or their respective licensors.

FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

All information is provided for information purposes only. All information and data contained in this publication is obtained by LSEG, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical inaccuracy as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or LSEG Products, or of results to be obtained from the use of LSEG products, including but not limited to indices, rates, data and analytics, or the fitness or suitability of the LSEG products for any particular purpose to which they might be put. The user of the information assumes the entire risk of any use it may make or permit to be made of the information.

No responsibility or liability can be accepted by any member of LSEG nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any inaccuracy (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of LSEG is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of LSEG nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. Indices and rates cannot be invested in directly. Inclusion of an asset in an index or rate is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index or rate containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index and/or rate returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index or rate inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index or rate was officially launched. However, backtested data may reflect the application of the index or rate methodology with the benefit of hindsight, and the historic calculations of an index or rate may change from month to month based on revisions to the underlying economic data used in the calculation of the index or rate.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of LSEG. Use and distribution of LSEG data requires a licence from LSEG and/or its licensors.