

TRADE

Leading Indicators

SUMMARY EQUITIES BONDS & CURRENCIES & COMMODITIES RATES MONETARY POLICY

REITS VOLATILITY & ENERGY & EMISSIONS & MACRO RESEARCH

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NEED TO KNOW

28th February 2023

£100bn

amount of capital amassed by UK businesses since the pandemic EU and UK amend Northern Ireland Brexit deal. The UK and EU have reached a deal over post-Brexit trading arrangements in Northern Ireland (NI). The new deal will see goods coming from Britain to NI to be divided into two lanes, with goods destined for NI in the less restricted 'green' lane, while goods heading on to the EU would be placed in the 'red' lane and will be subject to full customs and checks. The deal also includes the "Stormont Brake", which will give a future NI Assembly a potential veto on how EU laws apply to NI. Some economists expect the deal to unleash UK business investment. Since the pandemic, UK businesses have amassed c.£100bn, but investment stalled, partly due to the uncertainty surrounding the long term operation of the previous NI protocol. This new deal should alleviate some of this uncertainty, and encourage businesses to deploy some of this unspent capital.

£2.5bn

government saving from the lifting of the Energy Price Guarantee limit from £2,500 to £3,000 Ofgem price cap moderates, easing inflation pressures. The British energy regulator, Ofgem, has lowered its price cap on household energy bills from April. The price cap is moderating from an annual level of £4,279 to £3,280, due to the recent fall in wholesale energy prices. At present, the government plans to raise the Energy Price Guarantee limit by £500 to £3,000 a year from April, which would save the government c.£2.5bn. Here, households will also have to contend with the planned removal of the Energy Bills Support Scheme payments which has been subsidising energy bills. While this may impact household spending in the near term, by July, Cornwall Insights expects the price cap to fall below the EPG, which will see falling wholesale prices "trickle down" to bills. Moderating gas prices and lower government spending is expected to alleviate pressures on inflation and interest rates, which will likely be supportive of real estate pricing.

+1%

y-y Increase in UK Output (GVA) in Q4 2022 The changing structure of the UK economy. Overall, UK economic output grew by +1% year on year in Q4, however, some sectors have recorded a significant increase. Indeed, the Arts & Entertainment (+9%), Construction (+5%) and Professional & Scientific (+4%) industries all saw increased output year on year in Q4 2022. However, some sectors including Production (-4%) and Manufacturing (-6%) saw output moderate. Here, the higher costs of materials, energy and labour likely weighed on output. For the year ahead, the Bank of England forecast inflation to fall to 4.00% from 10.1% currently, which could alleviate some pricing pressures on these sectors that have seen output decline.

Arts, Construction and Professional, Science & Tech industries outperform in 2022 UK Gross Value Add, by sector, % change Q4 2022 vs Q4 2019 Q4 2022 vs Q4 2021 10% 8% 6% 4% 2% 0% -2% -4% -6% Construction Professional ICT Govt Health Production Manufacturing Financial &

Sources: Bloomberg, BoE, Capital Economics, FT, MSCI, OBR, ONS, Oxford Economics, Reuters, Trading Economics, Knight Frank Research

LOOKING AHEAD

Construction Material Prices

The latest ONS UK Construction Material Prices will be published on Wednesday. Despite inflation pressures moderating in the UK, construction material prices were still rising year on year in some cases in December. For example, insulating materials were up +39% y-y in December, while Gravel, Sand, Clays & Kaolin were +26% higher. However, some timber and joinery materials saw prices contract, with imported sawn or planed wood prices down -24%, while imported plywood prices were -13% lower. Markets will check to see if any other material prices showed signs of moderation in January.

Consumer Credit

The Bank of England's latest consumer credit data for the UK will be published tomorrow. UK consumer credit increased by £493m in December, below the £1.5bn increase in November and lower than expectations of a £1.1bn rise. December's figure was also lower than the previous 6-month average of £1.2 billion. Ernst & Young (EY) forecast demand for consumer credit to rise by +4.8% (net) in 2023 and +5.3% (net) in 2024. Meanwhile, EY forecast business lending to contract by -3.8% this year, which would constitute as one of the largest falls in 10 years. The moderation in lending to businesses is expected to be driven by the wider macro economic headwinds and elevated borrowing costs.

PMIs

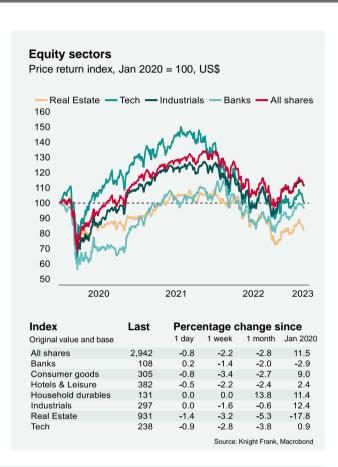
Finalised PMIs for February will be published this week for the Euro Area, Norway, Switzerland, UK, Brazil, Canada, Mexico, US, Australia, China, Hong Kong SAR, India, Japan, South Korea and South Africa. Flash PMIs for the UK surprised on the upside, with UK services businesses reporting growth for the first time in eight months (figure above 50). Indeed, the UK Services PMI increased to 53.3 in February, from 48.7 in January, beating market expectations of 49.2. Meanwhile, the Manufacturing PMI rose to 49.2 from 47.0 in January, beating market forecasts of 47.5.

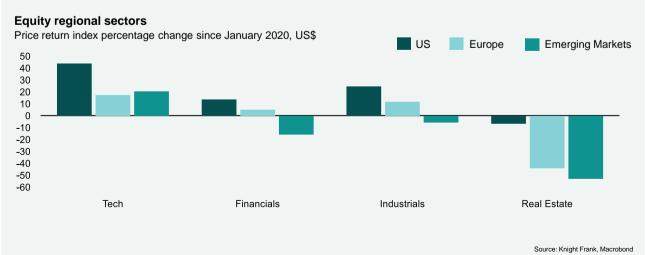
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CURRENCIES & BONDS & SUMMARY **EQUITIES COMMODITIES TRADE MONETARY POLICY** RATES **VOLATILITY & EMISSIONS & ENERGY &** MACRO RESEARCH **REITs MOBILITY** RENEWABLES ESG









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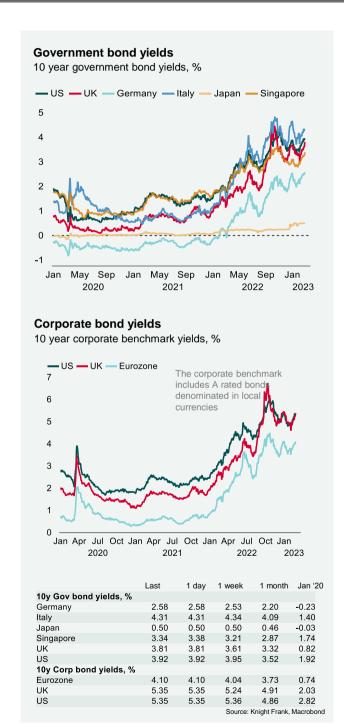
REITS VOLATILITY MOBILITY

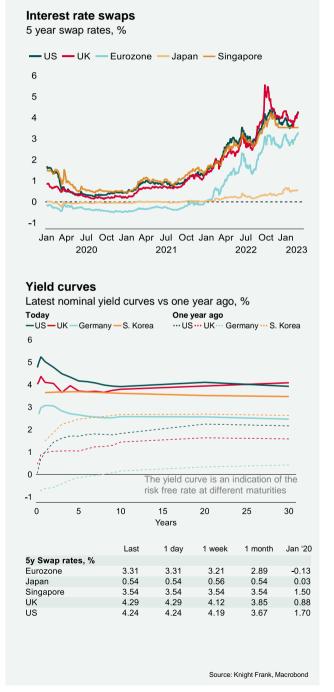
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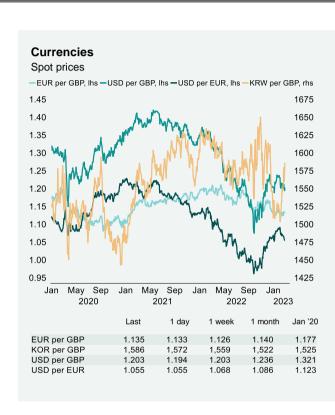


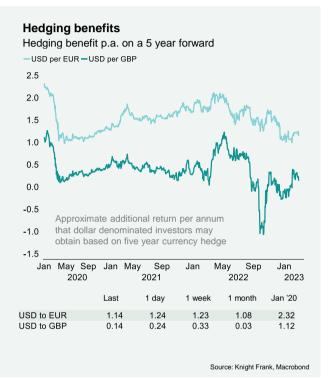


Source: Knight Frank, Macrobond

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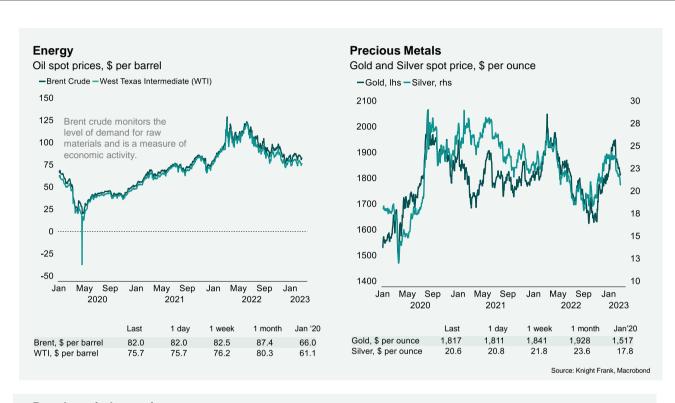


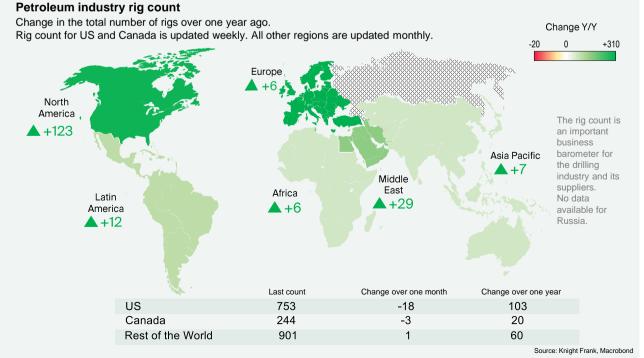
Inflation and monetary policy

	Inflation rate (%)				Interest rates (%)		Asset purchasing	
	Jan	Dec	Nov	Oct	Last	Jan '21	Latest (\$)	1m change (%
Australia 1	n/a	n/a	7.8	7.8	3.35	0.10	422 bn	-1.1
Canada	n/a	5.9	6.3	6.8	4.50	0.25	308 bn	0.0
China	n/a	2.2	1.8	1.5	4.35	4.35	5.99 tn	3.8
Euro Area	n/a	8.6	9.2	10.1	3.00	0.00	8.33 tn	-1.0
France	6.2	6.0	5.9	6.2	3.00	0.00	2.04 tn	-0.6
Germany	n/a	n/a	8.5	10.1	3.00	0.00	2.95 tn	-2.0
India	n/a	6.5	5.7	5.9	6.50	4.00	358 bn	-0.5
Italy	n/a	10.0	11.6	11.8	3.00	0.00	1.59 tn	-1.4
Japan	n/a	4.3	4.0	3.8	-0.10	-0.10	5.49 tn	1.2
Saudi Arabia	n/a	3.4	3.3	2.9	5.00	1.00	512 bn	-0.6
South Korea	n/a	5.2	5.0	5.0	3.50	0.50	458 bn	-0.2
Spain	n/a	5.8	5.8	6.9	3.00	0.00	487 bn	-2.0
Sweden	n/a	11.7	12.3	11.5	3.00	0.00	148 bn	-2.6
UK	n/a	10.1	10.5	10.7	4.00	0.10	1.37 tn	1.4
US	n/a	6.3	6.4	7.1	4.75	0.25	8.38 tn	-1.1
. Australia Inflation rate is	s only available or	n a quarterly ba	ısis.				* % change is in loca	al currency



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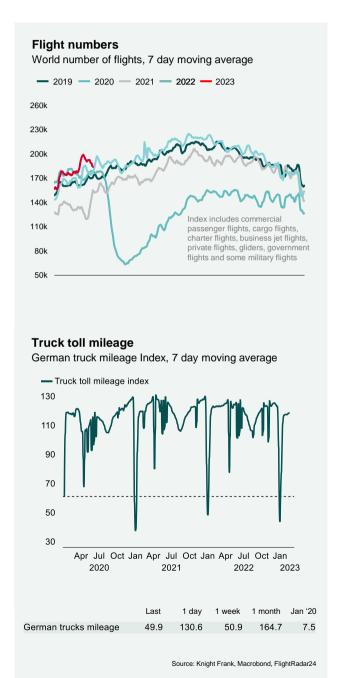
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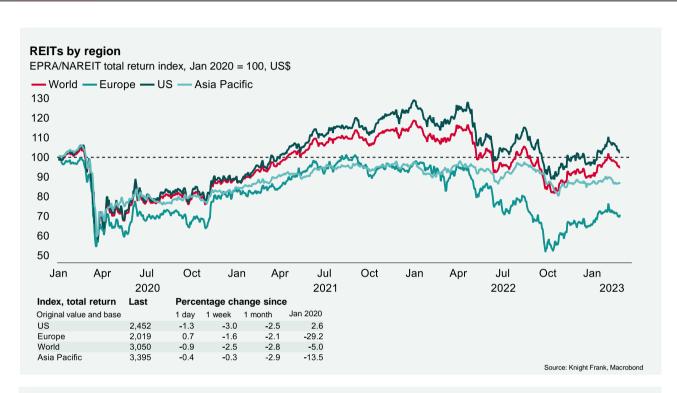
REITS WOLATILITY & ENERGY & EMISSIONS & MACRO RESEARCH

Baltic dry index Baltic Exchange, Shipping Dry index (BDI), US\$ Baltic dry index 6000 Baltic Dry Index is a measure of what it costs to ship raw 5000 materials and is a leading indicator of global demand 4000 3000 2000 1000 Jan Apr Jul Oct Jan Apr Jul Oct Jan Apr Jul Oct Jan 2020 2021 2022 2023 Shipping traffic Cargo & tanker traffic in all UK ports, 7 day moving average - Number of cargo & tankers (C&T), units 140 120 80 60 Jan Apr Jul Oct Jan Apr Jul Oct Jan Apr Jul Oct Jan 2021 2022 2023 1 day 1 month 1 week Baltic Dry Index, US\$ 990 935 594 1,090 C&T traffic, units 84 n/a n/a 89 71 Source: Knight Frank, Macrobond





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US REITs by sector

Residential - S&P500

-All REITs -

200 175

150

125

UK REITs by sector UK EPRA gross total return index, Jan 2020 = 100, GBP£ All REITs — Office — Industrial — Retail — Healthcare Residential - FTSE 250 175 150 125 75 50 25 Jan May Sep May Sep May Sep 2020 2021 2022 2023 Index, gross total return Percentage change since

1 day

0.3

0.9

-1.1

2.4

0.4

0.6

814

1,926

1,242

1,806

1.207

16.613

58

1 week

-2.2

-0.6

-4.3

-2.4

-1.2

-1.3

1 month

-0.1

1.7

-1.1

-0.6

-4.6

0.3

0.0

Jan '20

-20.4

-35.0

-83.8

-20.4

-20.9

0.2

Original value and base Last

All REITs

Industrial

Healthcare

Residential

FTSF 250

Office

Retail

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0 — May Sar	lan May	Con le	an May	Can lan	_
Jan May Sep		- Sep- Ja 021	an May 202	•	023
2020	20	021	202		J20
2020	20	UZ 1	202	.2 20	J25
					<i>3</i> 23
2020 Index, gross to			tage chan		<i>7</i> 23
	tal return				
Index, gross to	tal return	Percent	age chan	ge since	Jan'2
Index, gross to Original value and	tal return base Last	Percent 1 day	t age chan 1 week	ge since 1 month	Jan'2 5. -37.
Index, gross to Original value and All REITs	tal return base Last 21,234	Percent 1 day -1.3	tage chang 1 week -3.0	ge since 1 month -2.5	Jan'2 5.
Index, gross to Original value and All REITs Office	tal return base Last 21,234 1,409	Percent 1 day -1.3 -2.8	tage change 1 week -3.0 -6.3	ge since 1 month -2.5 -5.5	Jan'2 5. -37. 40.
Index, gross to Original value and All REITs Office Industrial	tal return base Last 21,234 1,409 3,074	Percent 1 day -1.3 -2.8 -1.1	tage change 1 week -3.0 -6.3 -2.3	ge since 1 month -2.5 -5.5 -3.7	Jan'2 5. -37.
Index, gross to Original value and All REITs Office Industrial Retail	tal return base Last 21,234 1,409 3,074 1,154	Percent 1 day -1.3 -2.8 -1.1 -0.8	1 week -3.0 -6.3 -2.3 -2.0	ge since 1 month -2.5 -5.5 -3.7 -3.1	Jan'2 5. -37. 40. 1.

US NAREIT gross total return index, Jan 2020 = 100, US\$

Office — Industrial — Retail — Healthcare



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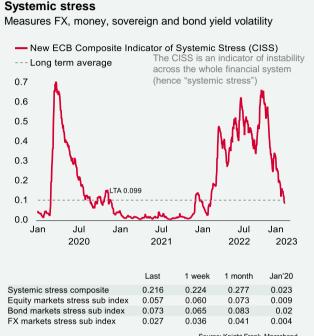
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Volatility index Near term stock price volatility indicator - CBOE Volatility Index (VIX) --- Long term average The CBOE VIX ("investor 90 fear gauge") is an indication of near term S&P 500 stock 80 price volatility based on 70 underlying options 60 50 40 30 20 10 Jan May Sep Jan May Sep Jan May Sep Jan 2020 2021 2022 2023 Jan '20 1 day 1 month Last 1 week **CBOE VIX** 21.0 21.0 22.9 18.5 13.8 Euro Stoxx 50 VIX 20.0 20.0 20.9 17.3 14.0 Nikkei VIX 16.7 16.3 17.0 14.8 KOSPI VIX 16.9



Source: Knight Frank, Macrobond

Workplace mobility

Google Workplace Mobility Index change since March '20, %

7 day moving average of daily office visitors compared to each country's baseline (5 week average between Jan 2020 - Feb 2020).



Source: Knight Frank, Macrobond

Public transport mobility

Citymapper Mobility Index change since March '20, %

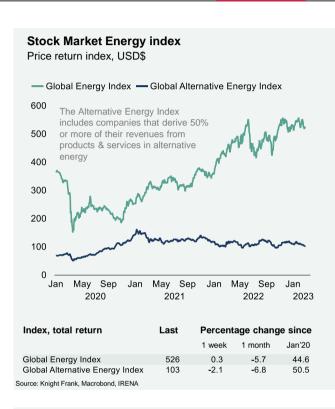
7 day moving average of daily trips planned and taken compared to each city's baseline (4 week average between Jan 2020 - Feb 2020).

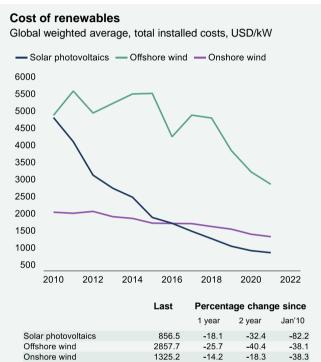


Source: Knight Frank, Macrobond

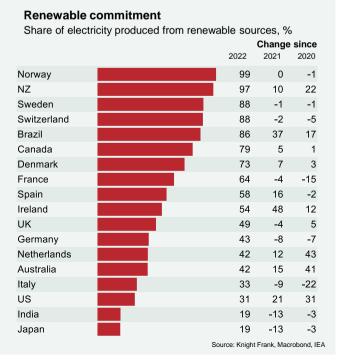


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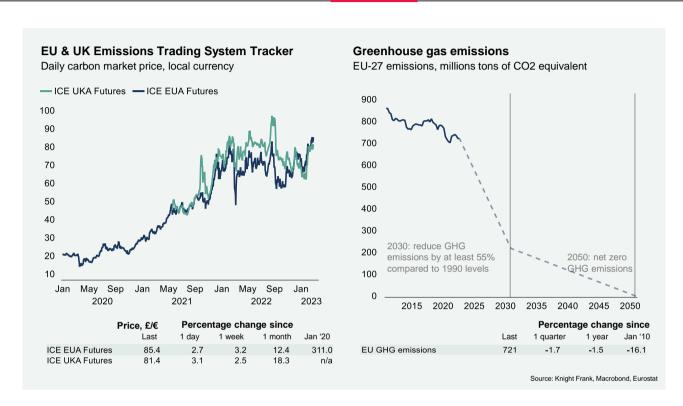


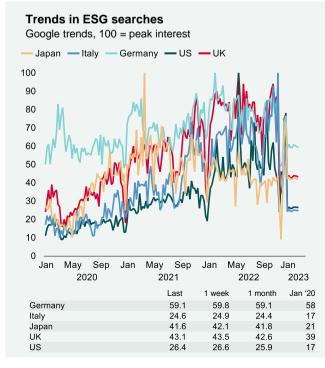
Electricity production Renewable and non-renewable electricity production, OECD total, year-to-date, % 30 20 10 Wind 2022 2021 Renewables, % 32.3 30.7 30.5 Wind 10.0 9.0 9.1 Solar 5.9 4.8 3.8 Hydro 128 13 4 14 3 Other renewables 3.5 3.5 3.4 Fossil fuels, % 67.7 69.3 69.5 Natural gas 30.1 29.5 30.4 Coal 19.2 20.0 19.1 Nuclear 17.2 17.4 15.9 Other fossil fuels

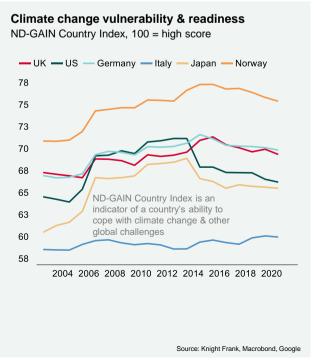




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MACROECONOMIC INDICATORS

Market	Population	GDP			Inter
	million	\$tn	YoY	QoQ	ra
Australia	26	1,553	5.9%	0.6%	3.35
Austria	9	480	2.7%	-0.7%	3.00
Belgium	12	594	1.4%	0.1%	3.00
Brazil	213	1,609	3.6%	0.4%	13.7
Canada	38	1,988	3.9%	0.7%	4.50
China Mainland	1,412	17,734	2.9%	0.0%	3.65
Denmark	6	398	3.2%	1.1%	2.10
Egypt	104	404	3.2%	9.8%	16.2
Euro Area	343	14,563	1.9%	0.1%	3.00
Finland	6	297	-0.1%	-0.2%	3.00
France	68	2,958	0.5%	0.1%	3.00
Germany	83	4,260	0.9%	-0.4%	3.00
Hong Kong SAR	7	368	-4.2%	0.0%	5.00
India	1,380	3,176	6.3%	0.8%	6.50
Indonesia	273	1,186	5.0%	0.4%	5.75
Ireland	5	504	13.5%	3.5%	3.00
Israel	9	489	2.7%	1.4%	4.25
Italy	59	2,108	1.7%	-0.1%	3.00
Japan	125	4,941	0.6%	0.2%	-0.10
Netherlands	17	1,013	3.0%	0.6%	3.00
Nigeria	211	441	3.5%	11.0%	17.5
Norway	5	482	1.3%	0.2%	2.75
Philippines	110	394	7.2%	2.4%	6.00
Poland	38	679	2.0%	-2.4%	6.75
Romania	19	284	4.6%	1.1%	7.00
Russia	146	1,776	-3.7%	-0.8%	7.50
Singapore	5	397	2.1%	0.1%	3.51
South Africa	60	419	4.1%	1.6%	7.25
South Korea	52	1,799	1.4%	-0.4%	3.50
Spain	47	1,427	2.7%	0.2%	3.00
Sweden	10	636	-0.6%	-0.6%	3.00
Switzerland	9	801	0.5%	0.2%	1.00
Turkey	85	819	3.9%	-0.1%	8.50
UAE	10	415	8.5%	2.0%	4.65
UK	68	3,131	0.4%	0.0%	4.00
US	334	23,315	0.9%	2.7%	4.75
-	- 001	20,010	0.070	2.1 /0	1.70

Interest rate	Inflation rate	Jobless rate	Gov. Budget % of GDP	Debt/ GDP %	Current Account/ GDP
3.35%	7.8%	3.7%	-1.5%	36.1%	-0.4
3.00%	11.2%	7.6%	-5.9%	82.8%	-0.5
3.00%	8.1%	5.5%	-5.5%	108.2%	-0.4
13.75%	5.8%	8.1%	-4.5%	80.3%	-1.8
4.50%	5.9%	5.0%	-4.7%	112.8%	0.1
3.65%	2.1%	5.5%	-7.4%	76.9%	2.3
2.10%	7.7%	2.4%	3.6%	36.7%	8.8
16.25%	25.8%	7.2%	-5.6%	87.2%	-4.6
3.00%	8.6%	6.6%	-5.1%	95.6%	-0.7
3.00%	8.4%	7.6%	-2.7%	72.4%	0.9
3.00%	6.0%	7.2%	-6.5%	112.9%	0.4
3.00%	8.7%	5.5%	-2.6%	69.3%	7.4
5.00%	2.4%	3.4%	-3.6%	38.4%	11.2
6.50%	6.5%	7.1%	-6.9%	89.3%	-1.2
5.75%	5.3%	5.9%	-2.4%	40.9%	1.0
3.00%	7.8%	4.4%	-1.7%	56.0%	13.9
4.25%	5.4%	4.3%	0.6%	60.9%	4.7
3.00%	10.0%	7.8%	-7.2%	150.8%	2.5
-0.10%	4.3%	2.5%	-5.9%	262.5%	1.9
3.00%	7.6%	3.6%	-2.6%	52.4%	9.0
17.50%	21.8%	33.3%	-4.7%	37.0%	-0.5
2.75%	7.0%	3.1%	9.1%	43.2%	15.0
6.00%	8.7%	4.3%	-8.6%	60.4%	-1.8
6.75%	17.2%	5.5%	-1.8%	53.8%	-0.7
7.00%	15.1%	5.6%	-7.1%	48.8%	-7.0
7.50%	11.8%	3.7%	-2.3%	18.2%	6.8
3.51%	6.6%	2.0%	-0.3%	160.0%	19.3
7.25%	6.9%	32.9%	-4.2%	67.4%	-0.7
3.50%	5.2%	2.9%	-5.6%	46.9%	4.9
3.00%	5.9%	12.9%	-6.9%	118.4%	0.9
3.00%	11.7%	7.6%	-0.1%	36.7%	5.3
1.00%	3.3%	2.2%	-0.7%	41.4%	9.3
8.50%	57.7%	10.3%	-2.7%	42.0%	-1.7
4.65%	6.8%	3.9%	0.8%	38.3%	11.7
4.00%	10.1%	3.7%	-5.4%	97.4%	-2.0
4.75%	6.4%	3.4%	-5.8%	129.0%	-3.6



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Watch the launch



Future Gazing 2023

In the latest edition of the Future Gazing Report, the sectors and locations which could benefit from reconfiguring supply chains are explored. Through the past three years, we have experienced a supply-side crisis. Simply restoring the old order is unlikely to solve the crisis and provide much-needed resilience amidst a shifting geopolitical landscape.

View Report

Recent research



Quantifying ESG in real

This report covers a selection of our recent analytical projects, as well as practical applications and considerations for clients. It offers clear messages that we hope will inform decision-makers as they make decisions against a rapidly evolving backdrop. We also hope the ideas will spark debate and unlock new areas of investigation.



Retail Property Market Outlook 2023

The 2023 Retail market outlook discusses predictions for the Retail market, providing in-depth commentary on retail subsectors and occupier activity amidst economic distress.

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