

REITS WOLATILITY & ENERGY & EMISSIONS & MACRO RESEARCH

MOBILITY RENEWABLES ESG MACRO RESEARCH

NEED TO KNOW

10th January 2023

3.8%

December 2023 forecast UK inflation rate Is the end of the tightening cycle near? Due to warmer than expected weather and strong gas reserves, UK natural gas prices have moderated back below levels seen pre-Russia/Ukraine conflict, with futures currently at 170p per therm, down from a peak of 640p in August 2022. As a result, economists expect inflation to be less pronounced than previously anticipated. Capital Economics forecast UK inflation to be 0.3ppts lower than originally forecast, at 3.8% in 2023, and 0.5ppts lower in 2024 at 2.7%. While Oxford Economics also forecasts UK inflation to slow, it expects inflation to remain above 4% in 2023. Both Capital Economics and Oxford Economics forecast inflation to reach the Bank of England's 2.0% target by 2024. Overall, economists expect the Bank of England to be near the end of its tightening cycle, albeit reluctant to cut rates this year unless the anticipated recession is deeper than currently expected.

4.9%

Forecast peak UK unemployment rate, Q4 2024

UK labour market showing signs of softening. In the three months to October, the UK unemployment rate increased by 0.1ppts over the quarter to 3.7%. While this remains close to 50 year lows, the UK labour market is showing signs of softening. In the three months to November, the number of job vacancies fell for the sixth consecutive quarter. While the OBR forecasts UK unemployment to peak at 4.9% in Q4 2024, this is below the 6.8% long term average and the 7.9% GFC peak. Despite the slightly softer labour market outlook, leasing demand in the office sector remains relatively healthy. For example, in London, preliminary figures for 2022 Q4 outline almost 3 million sq ft of new office leases agreed, just below trend levels of 3.1 million sq ft. With a further 2.8 million sq ft of deals currently under offer, this points to a continuation of transaction activity across London in 2023.

£1.0bn

Net lending to UK commercial property, November 2022

Strongest level of lending to UK CRE since December 2021. Net lending to commercial property increased for the third consecutive month in November 2022 at just over £1.0bn, the strongest rise in commercial property lending since December 2021. However, affordability challenges are anticipated this year for UK investors, due the elevated all in cost of debt. Higher debt costs may lead to opportunities for equity injection / partnering as well as assets being bought to the market for sale, should investors choose not to refinance. The current lending arena is different to the GFC, with a broad range of bank and non-bank lenders providing a depth of liquidity that didn't exist in 2008 / 09. While non-bank lenders are relatively untested through more challenging conditions, capital remains waiting in the wings to deploy through non-bank lending over 2023.

UK gas futures have moderated to pre-Russia/Ukraine war levels



Sources: Bloomberg, Capital Economics, FT, Macrobond, Oxford Economics, Reuters, Trading Economics, Knight Frank Research

LOOKING AHEAD

UK GDP

Q4 2022 GDP growth figures for the UK and Singapore will be published this week. The UK economy contracted -0.3% q-q in the three months to September of 2022, compared to preliminary estimates of a -0.2% decline. UK Industrial and Manufacturing Production figures, as well as UK Construction Output, will also be released later this week. Industrial production in the UK declined by -2.4% y-y in October, while construction output increased +7.4% y-y, the strongest increase since January. Markets will look to see how strong the final quarter of the year was for the economy, as well as the productivity of the industrial, manufacturing and construction sectors to gauge conditions for the start of the year.

UK Trade Balance

Later this week, the Euro area, UK and China, will publish trade balance figures for November. For the UK, total exports decreased -2.2% m-m in October, with exports to both EU and non-EU countries contracting. Total imports of goods into the UK also declined by -2.6% over the month, partly due to a decline in imports from non-EU countries as a result of falling gas prices. As China continues to dismantle its zero covid policy and starts to re-open, markets will look to see if trade levels this year are impacted.

2023 Davos Forum

The 2023 annual meeting of the World Economic Forum returns to the Swiss town of Davos next week, with the theme of 'Cooperation in a Fragmented World', bringing together 2,500 global leaders representing governments and businesses to drive forwardlooking solutions in addressing key global challenges. This year's Davos forum will focus on energy and food crises amidst the context of a new system for energy, a combination of high inflation and low growth, and its residual commitment to accelerate action on sustainability best practices. For real estate, the 2023 Davos agenda also will also focus on the importance of transformative leadership to shift the industry consensus and will also address key areas such as decarbonization



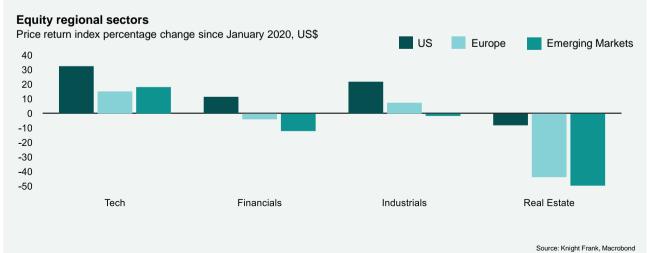
TRADE

Leading Indicators

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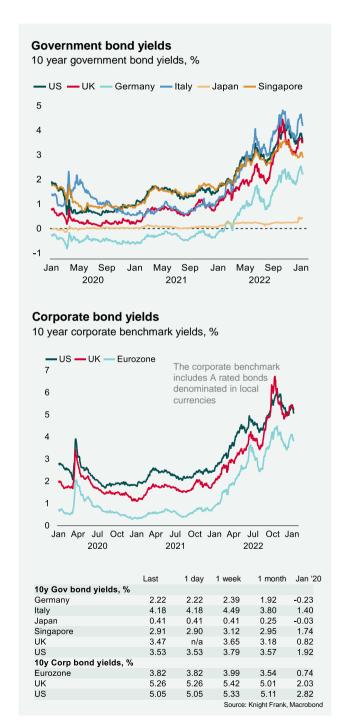
REITS VOLATILITY MOBILITY

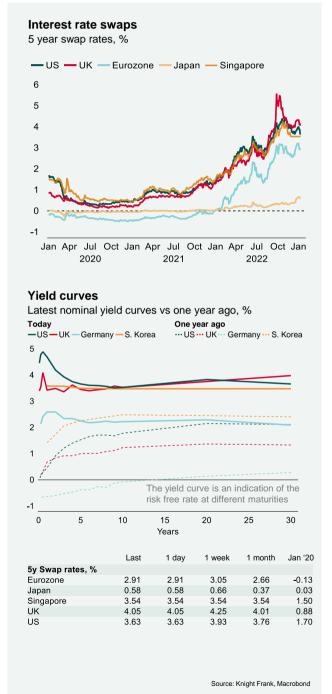
ENERGY & RENEWABLES

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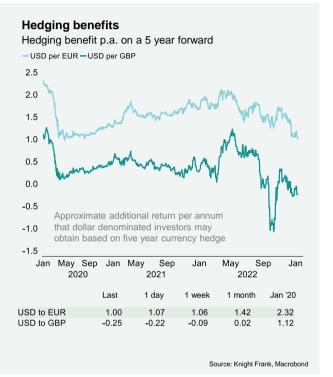


Source: Knight Frank, Macrobond

Leading Indicators

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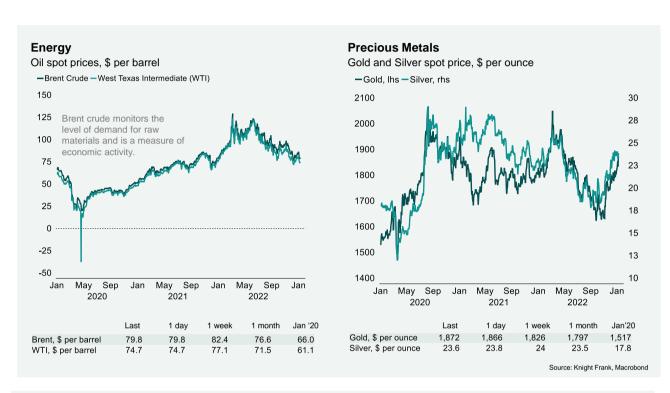


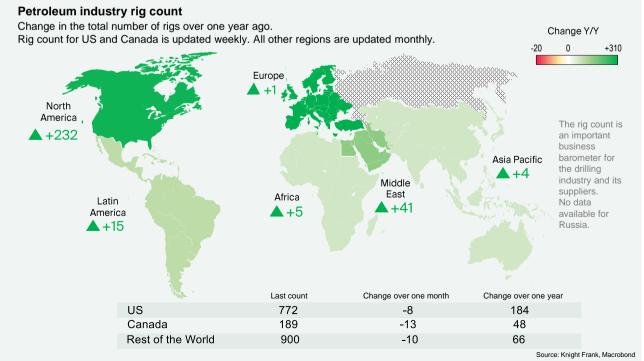
Inflation and monetary policy

	Inflation rate (%)				Interest ra	ites (%)	Asset purchasing		
	Dec	Nov	Oct	Sep	Last	Jan '21	Latest (\$)	1m change (%)	
Australia 1	n/a	n/a	n/a	7.3	3.10	0.10	427 bn	0.0	
Canada	n/a	6.8	6.9	6.9	4.25	0.25	309 bn	-4.0	
China	n/a	1.5	2.1	2.7	4.35	4.35	5.61 tn	0.7	
Euro Area	9.2	10.1	10.6	9.9	2.50	0.00	8.45 tn	-6.0	
France	5.9	6.2	6.2	5.6	2.50	0.00	2.06 tn	-1.1	
Germany	8.5	10.1	10.4	9.9	2.50	0.00	3.1 tn	-1.8	
India	n/a	5.9	6.8	7.4	6.25	4.00	340 bn	4.1	
Italy	11.6	11.8	11.8	8.9	2.50	0.00	1.58 tn	-4.3	
Japan	n/a	3.8	3.7	3.0	-0.10	-0.10	5.34 tn	0.6	
Saudi Arabia	n/a	2.9	3.0	3.1	5.00	1.00	532 bn	1.0	
South Korea	5.0	5.0	5.7	5.6	3.25	0.50	410 bn	0.3	
Spain	5.8	6.8	7.3	8.9	2.50	0.00	487 bn	-4.8	
Sweden	n/a	11.5	10.9	10.8	2.50	0.00	151 bn	5.1	
UK	n/a	10.7	11.1	10.1	3.50	0.10	1.37 tn	1.4	
US	n/a	7.1	7.8	8.2	4.50	0.25	8.51 tn	-0.9	
Australia Inflation rate is	s only available on	a quarterly ba	sis.				* % change is in loca	l currency	



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MOBILITY

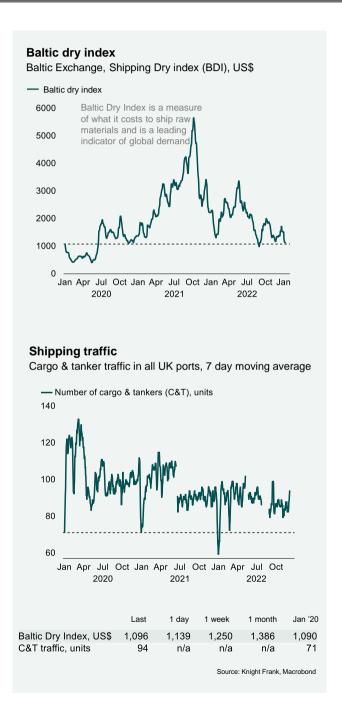
SUMMARY EQUITIES BONDS & CURRENCIES & COMMODITIES TRADE

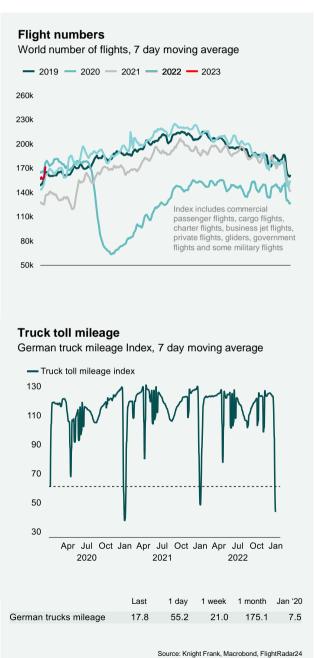
RATES MONETARY POLICY

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Source: Knight Frank, Macrobono

Leading Indicators

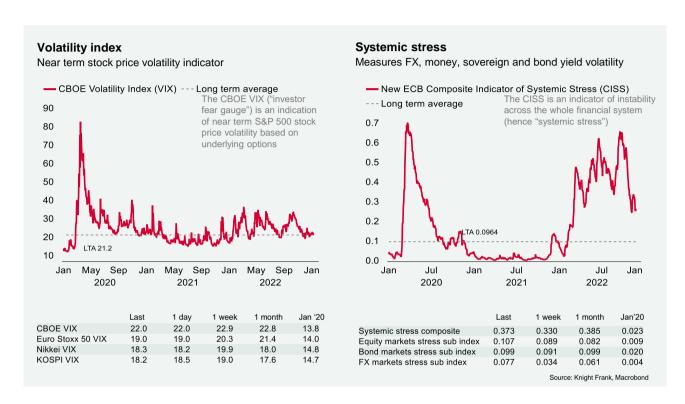
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UK REITs by sector US REITs by sector UK EPRA gross total return index, Jan 2020 = 100, GBP£ US NAREIT gross total return index, Jan 2020 = 100, US\$ All REITs — Office — Industrial — Retail — Healthcare - All REITs -Office — Industrial — Retail — Healthcare Residential - FTSE 250 Residential - S&P500 175 200 175 150 150 125 125 100 75 75 50 50 25 25 May Sep May Sep May Sep May Sep May Jan Jan Jan May Sep Jan Sep 2020 2020 2021 2022 2021 2022 Index, gross total return Index, gross total return Percentage change since Percentage change since Original value and base I ast 1 day 1 week 1 month Jan '20 Original value and base Last 1 day 1 week 1 month Jan'20 All REITs 787 0.9 3.9 2.8 -23.0 All REITs 20,404 2.4 1.6 -1.6 1.2 4.0 Office 1,819 -38.6 0.4 6.7 Office -37.6 1.399 1.7 -0.6 -0.8 Industrial 1,217 2.4 5.5 8.0 -1.9 Industrial 2 9 1 4 29 27 -0.5 33 6 Retail 1.7 4.2 1.6 -84.3 57 Retail 1.135 1.0 0.9 -0.7-0.6Healthcare 1,904 2.7 -16.0 3.7 3.568 1.4 Healthcare 2.0 5.5 34 -14.0Residential 1.188 0.4 1.3 1.5 -22.2 Residential 1,899 2.8 0.4 -3.4 -2.5 FTSF 250 16,231 S&P500 8,294 26.6



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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).

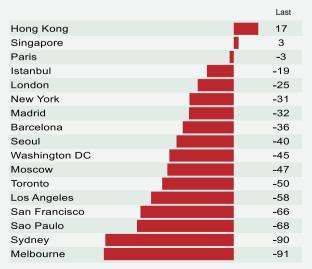


Source: Knight Frank, Macrobond

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).

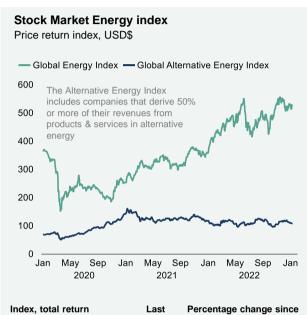


Source: Knight Frank, Macrobond



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Onshore wind



Index, total return Last Percentage change since 1 week 1 month Jan'20 Global Energy Index 530 0.2 3.1 45.6 Global Alternative Energy Index 110 -0.6 -5.3 60.3 Source: Knight Frank, Macrobond, IRENA

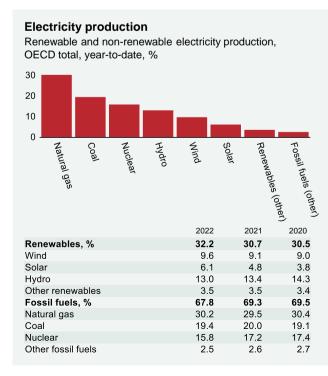
Cost of renewables Global weighted average, total installed costs, USD/kW — Solar photovoltaics — Offshore wind — Onshore wind 5500 5000 4500 4000 3500 3000 2500 2000 1500 1000 500 2010 2012 2014 2016 2018 2020 2022 Percentage change since Last 1 year 2 year Jan'10 Solar photovoltaics 856.5 -18.1 -32.4 -82.2 Offshore wind 2857.7 -25.7 -40.4 -38.1

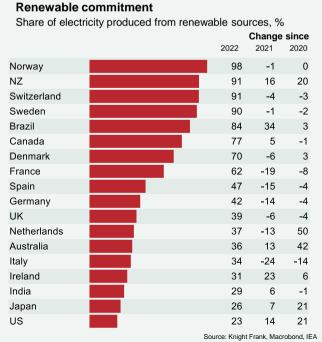
1325 2

-14 2

-18.3

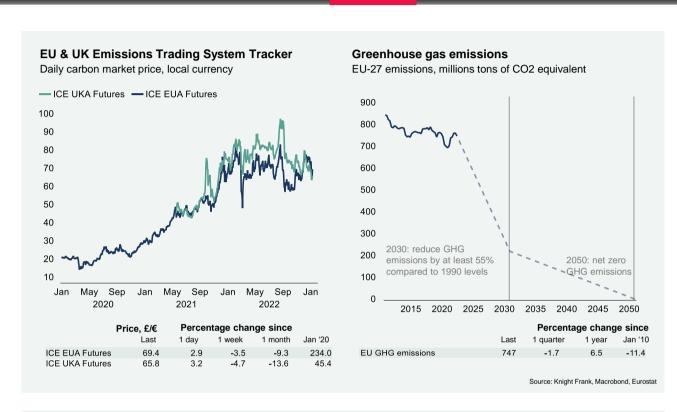
-38.3



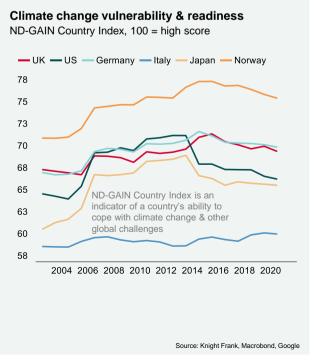




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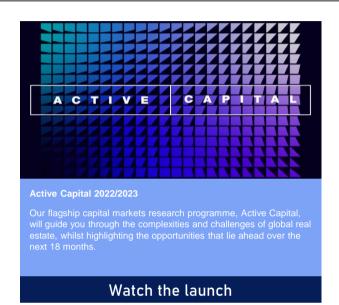
MACROECONOMIC INDICATORS

								Gov.	
Market	Population million	GDP \$tn	YoY	QoQ	Interest rate				
Australia	26	1,553	5.9%	0.6%	3.10%	3.10% 7.3%	3.10% 7.3% 3.4%	3.10% 7.3% 3.4% -7.8%	3.10% 7.3% 3.4% -7.8% 36.1%
Austria	9	480	1.7%	0.2%	2.50%				
Belgium	12	594	1.9%	0.2%	2.50%	2.50% 10.4%	2.50% 10.4% 5.4%	2.50% 10.4% 5.4% -5.5%	2.50% 10.4% 5.4% -5.5% 108.2%
Brazil	213	1,609	3.6%	0.4%	13.75%	13.75% 5.9%	13.75% 5.9% 8.3%	13.75% 5.9% 8.3% -4.5%	13.75% 5.9% 8.3% -4.5% 80.3%
Canada	38	1,988	3.9%	0.7%	4.25%	4.25% 6.8%	4.25% 6.8% 5.0%	4.25% 6.8% 5.0% -4.7%	4.25% 6.8% 5.0% -4.7% 112.8%
China Mainland	1,413	17,734	3.9%	3.9%	3.65%	3.65% 1.6%	3.65% 1.6% 5.7%	3.65% 1.6% 5.7% -3.1%	3.65% 1.6% 5.7% -3.1% 71.5%
Denmark	6	398	3.2%	0.3%	1.75%	1.75% 8.9%	1.75% 8.9% 2.3%	1.75% 8.9% 2.3% 3.6%	1.75% 8.9% 2.3% 3.6% 36.7%
gypt	104	404	5.4%	9.8%	16.25%	16.25% 18.7%	16.25% 18.7% 7.4%	16.25% 18.7% 7.4% -6.1%	16.25% 18.7% 7.4% -6.1% 87.2%
uro Area	343	14,563	2.3%	0.3%	2.50%	2.50% 9.2%	2.50% 9.2% 6.5%	2.50% 9.2% 6.5% -5.1%	2.50% 9.2% 6.5% -5.1% 95.6%
inland	6	297	1.0%	-0.3%	2.50%	2.50% 9.1%	2.50% 9.1% 5.9%	2.50% 9.1% 5.9% -2.7%	2.50% 9.1% 5.9% -2.7% 72.4%
rance	68	2,958	1.0%	0.2%	2.50%	2.50% 5.9%	2.50% 5.9% 7.3%	2.50% 5.9% 7.3% -6.5%	2.50% 5.9% 7.3% -6.5% 112.9%
ermany	83	4,260	1.3%	0.4%	2.50%	2.50% 8.6%	2.50% 8.6% 5.5%	2.50% 8.6% 5.5% -3.7%	2.50% 8.6% 5.5% -3.7% 69.3%
Hong Kong SAR	7	368	-4.5%	-2.6%	4.75%	4.75% 1.8%	4.75% 1.8% 3.7%	4.75% 1.8% 3.7% -3.6%	4.75% 1.8% 3.7% -3.6% 38.4%
India	1,380	3,176	6.3%	0.8%	6.25%	6.25% 5.9%	6.25% 5.9% 8.3%	6.25% 5.9% 8.3% -6.9%	6.25% 5.9% 8.3% -6.9% 89.3%
Indonesia	273	1,186	5.7%	1.8%	5.50%	5.50% 5.5%	5.50% 5.5% 5.9%	5.50% 5.5% 5.9% -2.4%	5.50% 5.5% 5.9% -2.4% 41.2%
reland	5	504	10.9%	2.3%	2.50%	2.50% 8.9%	2.50% 8.9% 4.4%	2.50% 8.9% 4.4% -0.1%	2.50% 8.9% 4.4% -0.1% 56.0%
Israel	9	489	5.8%	0.5%	3.75%	3.75% 5.3%	3.75% 5.3% 3.9%	3.75% 5.3% 3.9% -5.5%	3.75% 5.3% 3.9% -5.5% 68.8%
Italy	59	2,108	2.6%	0.5%	2.50%	2.50% 11.6%	2.50% 11.6% 7.8%	2.50% 11.6% 7.8% -7.2%	2.50% 11.6% 7.8% -7.2% 150.8%
Japan	125	4,941	1.5%	-0.2%	-0.10%	-0.10% 3.8%	-0.10% 3.8% 2.5%	-0.10% 3.8% 2.5% -5.3%	-0.10% 3.8% 2.5% -5.3% 262.5%
Netherlands	17	1,013	3.1%	-0.2%	2.50%	2.50% 9.6%	2.50% 9.6% 3.6%	2.50% 9.6% 3.6% -2.6%	2.50% 9.6% 3.6% -2.6% 52.4%
Nigeria	211	441	2.3%	9.7%	16.50%	16.50% 21.5%	16.50% 21.5% 33.3%	16.50% 21.5% 33.3% -4.7%	16.50% 21.5% 33.3% -4.7% 37.0%
Norway	5	482	2.5%	1.5%	2.75%	2.75% 6.5%	2.75% 6.5% 3.2%	2.75% 6.5% 3.2% 9.1%	2.75% 6.5% 3.2% 9.1% 43.2%
Philippines	110	394	7.6%	2.9%	5.50%	5.50% 8.1%	5.50% 8.1% 4.2%	5.50% 8.1% 4.2% -8.6%	5.50% 8.1% 4.2% -8.6% 60.4%
Poland	38	679	3.6%	1.0%	6.75%	6.75% 16.6%	6.75% 16.6% 5.1%	6.75% 16.6% 5.1% -1.9%	6.75% 16.6% 5.1% -1.9% 53.8%
Romania	19	284	4.0%	1.3%	6.75%	6.75% 16.8%	6.75% 16.8% 5.5%	6.75% 16.8% 5.5% -7.1%	6.75% 16.8% 5.5% -7.1% 48.8%
Russia	146	1,776	-3.7%	-0.8%	7.50%	7.50% 12.0%	7.50% 12.0% 3.7%	7.50% 12.0% 3.7% 0.8%	7.50% 12.0% 3.7% 0.8% 18.2%
Singapore	5	397	2.2%	0.2%	1.65%	1.65% 6.7%	1.65% 6.7% 2.0%	1.65% 6.7% 2.0% -0.9%	1.65% 6.7% 2.0% -0.9% 160.0%
South Africa	60	419	4.1%	1.6%	7.00%	7.00% 7.4%	7.00% 7.4% 32.9%	7.00% 7.4% 32.9% -5.7%	7.00% 7.4% 32.9% -5.7% 69.9%
South Korea	52	1,799	3.1%	0.3%	3.25%	3.25% 5.0%	3.25% 5.0% 2.9%	3.25% 5.0% 2.9% -5.6%	3.25% 5.0% 2.9% -5.6% 46.9%
Spain	47	1,427	4.4%	0.1%	2.50%	2.50% 5.8%	2.50% 5.8% 12.7%	2.50% 5.8% 12.7% -6.9%	2.50% 5.8% 12.7% -6.9% 118.4%
Sweden	10	636	2.5%	0.6%	2.50%	2.50% 11.5%	2.50% 11.5% 6.4%	2.50% 11.5% 6.4% -0.2%	2.50% 11.5% 6.4% -0.2% 36.7%
Switzerland	9	801	0.5%	0.2%	1.00%				
Turkey	85	819	3.9%	-0.1%	9.00%	9.00% 64.3%	9.00% 64.3% 10.2%	9.00% 64.3% 10.2% -2.7%	9.00% 64.3% 10.2% -2.7% 42.0%
UAE	10	415	3.9%	2.0%	4.40%				
UK	68	3,131	1.9%	-0.3%	3.50%				
US	332	23,315	1.9%	3.2%	4.50%	4.50% 7.1%	4.50% 7.1% 3.5%	4.50% 7.1% 3.5% -16.7%	4.50% 7.1% 3.5% -16.7% 137.2%
		,							

Source: Trading Economics



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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.

View Report

Recent research



UK Hotel Capital

In the latest edition of the UK Hotel Capital Markets Investment Review, we provide a comprehensive analysis of UK hotel transaction activity for 2021, outline the key investment trends and walk you through our Knight Frank predictions for the year ahead.



UK Healthcare Property

In the 2021/22 edition of our UK Healthcare Property Market Overview, we look at several standout market trends from the past year and present a forward view on what we believe to be continuing trends throughout

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