

<ul style="list-style-type: none"> ■ Macquarie Securities (Australia) Ltd 1 Martin Place Level 3 2000 Sidney, New South Wales 	1 2	5 6 7	1	5 6
<ul style="list-style-type: none"> ■ National Australia Bank Limited Level 1 Bourke Street 800 3008 Docklands 	1 2 3 4 5 6 7		1 2	4 5 6 7
<ul style="list-style-type: none"> ■ Westpac Banking Corporation Kent Street 275 NSW 2000 Sydney 	1 2 3 4 5 6 7		1 2 3 4	6
o Canada				
<ul style="list-style-type: none"> ■ Aligned Capital Partners Inc suite 300 Champlain Ave 1001 L7L 5Z4 Burlington 	1 2 3 4 5			
<ul style="list-style-type: none"> ■ Bank of Montreal rue Saint-Jacques 129 H2Y 1L6 Quebec 	1 2 3 4 5 6 7		1 2 3 4 5 6 7	
<ul style="list-style-type: none"> ■ Fiera Capital Corporation Suite 1500 McGill College Avenue 1981 QC H3A 0H5 Montreal 		4		
<ul style="list-style-type: none"> ■ K.J. Harrison & Partners Inc Bedford Road 60 M5R 2K2 Toronto 		4		
<ul style="list-style-type: none"> ■ PineStone Asset Management Inc. Suite 1600 McGill College Avenue 1981 H3A 2Y1 Quebec 	1 2	4 5		4 5
<ul style="list-style-type: none"> ■ Royal Bank of Canada Royal Bank Plaza Bay Street 200 M5J 2J5 Toronto 	1 2 3		2	4 7
<ul style="list-style-type: none"> ■ Scotia Capital Inc. Scotia Plaza 40 King St. West M5W 2X6 Toronto 	1 2 3	6 7		
<ul style="list-style-type: none"> ■ The Bank of Nova Scotia Hollis Street 1709 B3J 3B7 Halifax 	1 2 3 4 5 6 7 8		1 2 3 4 5 6 7	
<ul style="list-style-type: none"> ■ The Toronto-Dominion Bank 15th Floor, TD Tower Wellington St. West 66 ON M5K 1A2 Toronto 	1 2 3	5 6 7		3 4 5 6 7

o **Chine (rép. populaire)**

- **BNP Paribas Securities (Asia) Ltd** 1 2 3
Two International Finance Centre
Finance Street 8
Hong Kong

o **Corée du Sud**

- **BNP Paribas Securities Korea Co. Ltd** 1 2 3
State Tower Namsan
25F
Jung-Gu

o **Etats-Unis**

- **Acadian Asset Management LLC** 2 4 5 5
Franklin Street 260
MA 02110 Boston
- **Bank of America NA** 1 2 3 4 6 7
STE 170
N. Tryon Street 100,
28202 Charlotte
- **Bloomberg Powermatch LLC** 1
499 Park Avenue
NY 10022 New York
- **Bloomberg Tradebook LLC** 1
Third Avenue 919
NY 10022 New York
- **BNP Paribas Asset Management USA, Inc** 2 4
11th Floor
Park Avenue 200
NY 10166 New York
- **BNP Paribas Securities Corp** 1 2 3
Seventh Avenue 787
NY 8819 New York
- **Boston Partners Global Investors, Inc.** 4
30th street
One Beacon Street
MA 02108 Boston
- **Brown Brothers Harriman & Co.** 1 2 3 1 4
140 Broadway
10011 New York
- **Cboe Exchange Inc** 1 2 5 4 5
South LaSalle 400
60605 Chicago
- **Cboe Futures Exchange LLC** 1 2 5 4 5
S. LaSalle Street 400
IL 60605 Chicago

- **Citibank N.A.** 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7
 Greenwich Street 388
 NY 10013 New York
- **Citigroup Global Markets Inc** 1 2 3
 Greenwich Street 388
 NY 10013 New York
- **Dynamic Credit Partners Ilc** 4 5 3 4 5 7
 Suite 809
 389 Fifth Avenue
 NY 10016 New York
- **FSA Advisors** 1 2 4 5 5
 Suite 800
 Van Dyke Ave 30500
 MI 48093 Warren
- **General Re Financial Products Corporation** 3
 Long Ridge Road 120
 CT 06902 Stamford
- **Goldman Sachs & Co** 1 2 3 5 1 2 4
 West Street 200
 NY 10282 New York
- **Goldman Sachs Bank USA** 1 2 3 5 1 2 4
 200 West Street, 27 flor
 NY 10282 New York
- **Goldman Sachs Mitsui Marine Derivatives Products LP** 1 2 3
 Broad Street Building 85 85
 NY 10004 New York
- **Individual Asset Management Inc** 4
 Suite 200
 Menlo Avenue 750
 94062 Menlo Park
- **ING Financial Markets LLC** 6 7 5 6 7
 Avenue of the Americas 1133
 NY 10036 New York
- **J. Aron & Company (JANY)** 3
 One New York Plaza
 NY 10004 New York
- **Jennison Associates Capital Corp.** 4
 466 Lexington Avenue
 NY 10017 New York
- **JP Morgan Investment Management Inc.** 1 2 3 4 6 7
 Madison Avenue 383
 NY 10179 New York
- **JPMorgan Chase Bank, National Association** 1 2 3 4 5 6 7 1 2 3 4 6
 1121 Polaris Pkwy

OH 43240 Columbus, Ohio

■ Kempen & Co USA Inc 17th floor Third Avenue 880 NY 10022 New York	1					5
■ LMCG Investments, LLC 28th Floor Clarendon Street 200 MA 02116 Boston		4	5			
■ Mellon Capital Management Corporation Mellon Financial Center One Boston Place 02108-4408 Boston, MA	1	2	4			
■ Merrill Lynch World Financial Center - North Tower 250 Vesey Street New York	1	2				
■ Mesirow Financial Investment Management Inc North Clark Street 353 60654 Chicago			4	5		4 5
■ Mirova US LLC Boylston Street 888 MA 02199-8197 Boston	1	2	4	5		
■ Morgan Stanley & C° Inc. 1585 Broadway NY 10036 New York	1	2	3	4	6	7
■ Needham & Company Inc. 445 Park Avenue NY 10022-2602 New York	1	2	3		6	7
■ Oaktree Capital Management, L.P. 28th floor South Grand Avenue 333 CA 90071 Los Angeles	1	2	4	5		4 5
■ Payden & Rygel 333 South Grand Avenue CA 90071 Los Angeles				4		
■ PGIM Quantitative Solutions LLC 16th Floor Broad Street 655 NJ 07102 Newark	1		4	5		4
■ PGIM, Inc. Broad Street 655 NJ 07102 Newark	1	3	4	5	7	4
■ Polaris Capital Management LLC High Street 121 MA 02110 Boston			4			4 5

<p>■ Allspring Global Investments (UK) Ltd Bow Bells House, 6th floor Bread Street 1 EC4M 9BE London</p>	1 2 4 5 7	4 5
<p>■ Alpha FX Ltd Brunel Building Canalside Walk 2 W2 1DG London</p>	1 2 3 5	4
<p>■ AMIUS Ltd 4th floor Drury Lane 55 WC2B 5SQ London</p>	1 2 3 5	
<p>■ Anchor International Partners Ltd St. Vincent House Orange Street 30 WC2H 7HF London</p>	5	3
<p>■ Antler Capital Partners LLP Lansdowne House Berkeley Square 57 W1J 6ER London</p>	4	
<p>■ Apollo Asset Management Europe LLP St. George Street 25 W1S 1FS London</p>	1 2 4 5	3 4 5 6 7
<p>■ Arabesque Asset Management Ltd Grosvenor Street 43 W1K 3HL London</p>	1 5	5
<p>■ Architas Multi-Manager Ltd Old Broad Street 5 EC2N 1AD London</p>	4 5	
<p>■ Arcmont Asset Management Ltd 3rd Floor Hanover Square 5 W1S 1HE London</p>	1	
<p>■ Ardent Financial Ltd Berkeley Street 16 W1J 8DZ London</p>	1 2 3	
<p>■ Arete Research Services LLP Hardwick Street 5-8 EC1R 4RG London</p>		5
<p>■ Arundel Group Ltd St James's Square 31a SW1Y 4JR London</p>	1 2 5 7	3
<p>■ Asante Capital Group LLP Old Burlington Street 25 W1S 3AN London</p>	1 5	
<p>■ Aspect Capital Ltd</p>	4 5	

Portman Square 10
W1H 6AZ London

<p>■ Asset Management One International Ltd Old Bailey 30 EC4M 7AU London</p>	1	2	4	5			4	5					
<p>■ Astrid Advisors Ltd Park Lane 75 CR9 1XS Croydon</p>	1		5					5					
<p>■ Atlantic-Pacific Capital Ltd Jermyn Street 52 SW1Y6LX London</p>	1		5					5					
<p>■ Avington Financial Ltd Leconfield House Curzon Street W1J 5JA London</p>				5	7		3	5					
<p>■ Axa Investment Managers GS Ltd Newgate Street 7 EC1A 7HD London</p>	1	2	4	5			4	5					
<p>■ AXA Investment Managers UK Ltd 7 Newgate Street EC1A 7HD London</p>	1		4	5									
<p>■ Baillie Gifford Overseas Ltd Calton Square Greenside Row 1 EH1 3AN Midlothian</p>	1	2	4	5									
<p>■ Bank of China International (UK) Ltd Lothbury 1 EC2R 7DB London</p>	1	2		5	6			5					
<p>■ Bank of Scotland Plc The Mound EH1 1YZ Midlothian</p>	1	2	3	5	6	7	1	2	3	4	5	6	7
<p>■ Barclays Bank PLC Churchill Place 1 London E14 5HP</p>		2	3										
<p>■ Baring Asset Management Ltd Old Bailey 20 EC4M 7BF London</p>	1	2	4	5			3	4	5	7			
<p>■ BCS Prime Brokerage Ltd Bishopsgate 99 EC2M 3XD London</p>	1	2	3	5			2	4	5				
<p>■ BDA Partners (London) Ltd Conduit Street 7-8 W1S 2XF London</p>	1		5				3	5					
<p>■ BDT & Company International LLP St. James's Place 12-13 SW1A 1NP London</p>	1	2	5	7			3	4	5				

<p>■ Belgrave Capital Management Ltd Palmer Street 21 SW1H 0AD London</p>	1	4 5					
<p>■ BellRock Securities Ltd 30th floor Bank Street 40 E14 SNR London</p>	1 2	4 5		1	4 5	7	
<p>■ Bernstein Autonomous LLP Berkeley Street 50 W1J 8SB London</p>	1 2 3	5			4 5		
<p>■ BGC Brokers LP Canary Wharf One Churchill Place E14 5RD London</p>	1 2 3	5		1	4 5		
<p>■ BlackRock Advisors (UK) Ltd Throgmorton Avenue 12 EC2N 2DL London</p>	1 2	4 5			3 5	7	
<p>■ BlackRock Investment Management (UK) Ltd. Throgmorton Avenue 12, EC2N 2DL London</p>	1 2	4 5			3 5		
<p>■ Blackstone Europe LLP Berkeley Square 40 W1J 5AL London</p>	1	5				5	
<p>■ Blankstone Sington Ltd Walker House Exchange Flags L2 3YL Liverpool</p>	1 2	4 5		1		5	
<p>■ BMO Capital Markets Ltd Liverpool Street 100 EC2M 2AT London</p>	1 2 3	6 7		1 2 3 4 5 6 7			
<p>■ BNP PARIBAS ASSET MANAGEMENT UK Ltd Aldermanbury Square 5 EC2V 7BP London</p>	1 2	4 5			4 5	7	
<p>■ Bohler & Associates Ltd Cavendish Square 17 W1G 0PH London</p>		2 5				5	
<p>■ Bradesco Securities UK Ltd 25th floor Bishopsgate 110 EC2N 4AY London</p>	1 2	5				5 6	
<p>■ Braemar Atlantic Securities Ltd Trafalgar Square Strand 1 WC2N 5HR London</p>	1 2						
<p>■ Brewin Dolphin Ltd</p>	1 2 3 4 5			1	4 5		

Smithfield Street 12
EC1A 9LA London

- **Britannic Energy Trading Ltd** 1 2 3 5 2 3 4 5 7
Chertsey Road
GB-TW16 7BP Sunbury
- **Britannic Trading Ltd** 1 2 3 5 2 3 4 5 7
Canada Square 20
E14 5NJ London
- **British Arab Commercial Bank Plc** 1 2 3 4 1 2 4
Mansion House Place 8-10
EC4N 8BJ London
- **Brookfield Private Capital (UK) Ltd** 1 5 3 5
Canada Square 1
E14 5AA London
- **BTG Pactual (UK) Ltd** 1 2 5
Berkeley Square House 4
Berkeley Square 19
W1J 6BR London
- **BTIG Ltd** 1 2 3 5
5th Floor
Bishopsgate 7
EC2N 3AR London
- **Bury Street Capital Ltd** 1 5
St James's Square 33
SW1Y 4JS London
- **CAMcap Markets Ltd** 1 2 3 5
North Audley Street 20
W1K 6LX London
- **Campbell Lutyens & Co. Ltd** 1 5 3 5
Burlington Gardens 3
W1S 3EP London
- **Canaccord Genuity Ltd** 1 2 3 5 6 7 1 3 4 5 6
Wood Street 88
EC2V 7QR London
- **Cantor Fitzgerald Europe** 1 2 3 5 6 7 1 3 4 5 6 7
One Churchill Place, Canary Wharf
E14 5RB London
- **Capstone Advisors Ltd** 1 5
Hanover Square 14
W1S 1HN London
- **Cargill Financial Services Europe Ltd** 1 2 3 5
Velocity V1 Brooklands Drive
KT13 0SL Weybridge
- **Carne International Financial Services (UK) Ltd** 1 2 4 5
2nd Floor

Great Portland Street 152-156
W1W 6AJ London

■ Conning Asset Management Limited	1 2 4 5	3 5 7
Monument Street 24 EC3R 8AJ London		
■ Cowen Execution Services	1 2 3 5 7	3 4 5 6
Snowden Street 1 EC2A 2DQ London		
■ Cowen International Ltd	1 2 3 5 6 7	3 4 5 6
11th floor Snowden Street 1 EC2A 2DQ London		
■ CQS (UK)	1 5	
4th Floor One The Strand WC2N 5HR London		
■ Credit Suisse Asset Management Ltd	1 2 4 5	1 4 5 7
Cabot square 1 E14 4 QJ London		
■ Credit Suisse International	1 2 3 4 5 6 7	1 2 3 4 5 6 7
One Cabot Square, Canary Wharf E14 4QJ London		
■ Crédit Suisse Securities (Europe) Limited	1 2 3 4 5 6 7	1 2 3 4 5 6 7
One Cabot Square, Canary Wharf E14 4QJ London		
■ Daiwa Capital Markets Europe Ltd	1 2 3 5 6 7	1 2 3 4 5 6
King William Street 5 EC4N 7AX London		
■ Daymer Bay Capital Ltd	1	
Victoria Street 83 SW1H 0HW London		
■ Delfinus LLP	1 5	3
Hill Street 3 W1J 5LB London		
■ Demica Finance	1	3
Bow Bells House Bread Street 1 EC4M 9BE London		
■ Dimensional Fund Advisors Ltd.	1 2 4 5	4 5
Triton Street 20 NW1 3BF London		
■ DWS Investments UK	1 2 4 5 7	1 3 4 5
EC2Y 9DB Moorfields 21 London		
■ E D & F Man Capital Markets Limited	1 2 3	1 2 4

The News Building London Bridge Street 3 SE1 9SG London					
■ Eaton Vance Advisors International Ltd Old Broad Street 125 EC2N1AR London			4 5		
■ Eaton Vance Investment (Management) International Ltd Old Broad Street 125 EC2N1AR London			4 5		
■ Ebury Partners Markets Ltd 3rd floor Victoria Street 100 SW1E 5JL London		2 3	5		4
■ ED&F Man Capital Markets Ltd London Bridge Street 3 SE1 9SG London		1 2 3		1 2	4
■ Edinburgh Partners Limited Melville Street 27-31 EH3 7JF Edinburgh		1 2	4 5		5
■ Edmond de Rothschild Asset Management (UK) Limited Carlton Gardens 4 SW1Y 5AA London			5 7		3
■ ELITE Club Deal Ltd The London Stock Exchange Paternoster Square 10 EC4M 7LS London		1			
■ Evelyn Partners Investment Management LLP Gresham Street 45 EC2V 7BG London		1 2	4 5	1	4 5
■ Evelyn Partners Investment Services Ltd Gresham Street 45 EC2V 7BG London		1 2	4 5 6 7	1 2	4 5 6
■ Fidante Partners Europe Limited Bridge House Queen Victoria Street 181 EC4V 4EG London		1	5		5
■ FIL Investments International Beech Gate Millfield Lane KT20 6RP Tadworth		1 2	4 5		4 5
■ FIL Pensions Management Oakhill House Tonbridge Road 130 TN 11 9 DZ Tonbridge		1 2	4 5 6 7	1 2	4 5 6 7

<p>■ First Reserve International Ltd 7th Floor Victoria Street 25 SW1H 0EX London</p>	1	5					
<p>■ First State Investments International Limited St Andrew Square 23 EH2 1BB Edinburgh</p>	1	2	4	5			
<p>■ First Trust Global Portfolios Limited Angel Court 8 EC2R 7HJ London</p>	1		4	5			5
<p>■ FirstRand Bank Limited (London Branch) The Broadgate Tower, level 23 Primrose Street 20 London</p>	1	2	3	5	6	7	3 5 6
<p>■ FIS Global Execution Services Ltd Canada Square 25 E14 5LQ London</p>	1						
<p>■ Fisher Investments Europe Ltd Level 18 One Canada Square, Canary Wharf E14 5AX London</p>	1		4	5			
<p>■ Five Arrows Managers LLP New Court St Swithin's Lane EC4N 8AL London</p>	1	2	4	5	7		5
<p>■ Foreign Currency Innovations Ltd Union House, Suite 1C High Street 117 CM12 9AJ Essex</p>	1	2	4			1	4 7
<p>■ Formax Prime Capital (UK) Ltd 2nd Floor Poultry 1 EC2R 8EJ London</p>	1	2	3	6	7		
<p>■ Fortem Capital Ltd Gloucester Place 121 W1U 6JY London</p>	1	2	4	5			5 7
<p>■ Fund Analytics Investment Management LLP Wavel Mews 12 NW6 3AB London</p>	1	2	4	5			4 5
<p>■ GC Exchange Ltd King William Street 75 EC4N 7BE London</p>	1	2					
<p>■ Generation Investment Management LLP Air Street 20 W1B 5AN London</p>	1	2	4	5			3 4

RG12 8FZ Oldbury

- **Itau BBA International Plc** 1 2 3 5 6 7 3 4 5
The Broadgate Tower
Primrose Street 20
EC2A 2EW London
- **J.P. Morgan Asset Management (UK) LTD** 1 2 4 5 3 4 5 6
20 Finsbury Street
Finsbury Dials
EC2Y 9AQ London
- **J.P. Morgan Securities Ltd** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
Canary Wharf
25 Bank Street
E14 5JP London
- **J.P. Morgan Securities Plc** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
Bank Street 25
E14 5JP London
- **Jane Street Financial Ltd** 2 3
2 & A Half
Devonshire Square
EC2M 4UJ London
- **Janus Henderson Investors UK Ltd** 1 2 4 5 4
Bishopsgate 201
EC2M 3AE London
- **Jefferies International Ltd** 1 2 3 4 5 6 7 3 4 5 6
Bishopsgate 100
EC2N 4JL London
- **JonesTrading International Ltd** 1 2 3 5 4 5
Chalfont Park
Chalfont Street 1
SL9 0BG Gerrards Cross
- **JPMorgan Asset Management (UK) Ltd** 1 2 4 5 3 4 5 6
Victoria Embankment 60
EC4Y 0JP London
- **KNG Securities LLP** 1 2 3 5 6 7 3 4 6
Broad Street Place 6
EC2M 7JH London
- **Kotak Mahindra (UK) Ltd** 1 2 3 5 1 7
Portsoken House, 8th floor
Minorities 155-157
EC3N 1LS London
- **Kyte Broking Ltd.** 1 2 3 4 5 1 2 4 7
Baker Street 55
W1U 7EU London
- **La Française Group UK Finance Limited** 1 2 4 5 3 5
4th floor

Snowden Street 1
EC2A 2DQ London

- **Manulife Investment Management (Europe) Ltd** 1 2 4 5
One London Wall
EC2Y 5EA London

- **Marex Financial Ltd** 1 2 3 4 5 1 4 5
Bishopsgate 155
EC2M 3TQ London

- **Marex Spectron International Ltd** 1 2 8
Bishopsgate 155
EC2M 3TQ London

- **Mariana UFP LLP** 1 2 5 7
Cannon Street 100
EC4N 6EU London

- **Mercer Ltd** 1 2 4 5 5
Tower Place West 1
EC3R 5BU London

- **Mercury Capital Advisors LLP** 5 3
7th Floor
Knightsbridge Green 1
SW1X 7QA London

- **Merian Global Investors (UK)** 1 2 4 5 5
Millennium Bridge House
Lambeth Hill 2
London EC4P 4WR

- **Merrill Lynch International** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
Lerrill Lynch Financial Centre
King Edward Street 2
EC1A 1HQ London

- **MetLife Investment Management Ltd** 1 2 4 5 7 5
Level 34
Canada Square 1
E14 5AA London

- **Michael Davey Financial Management Ltd** 5
Salisbury Houses
Finsbury Circus
EC2M 5UL London

- **Mirabaud Securities Ltd** 1 2 7 3 5
Bressenden Place 10
SW1E 5DH London

- **Mitsubishi UFJ Asset Management (UK) Ltd** 1 2 4 5 4 5
Finsbury Circus House
Finsbury Circus 12-15
EC2M 7BT London

- **Mitsubishi UFJ Trust International Ltd** 1 2 3 5 6 7 1 6

Lombard Street 24
EC3V 9AJ London

- **Mitsui Bussan Commodities Ltd** 1 2 3 5 1 2 4 5
6th Floor
St Martin's-le-Grand 1
EC1 4BB London

- **Mizuho International Plc** 1 2 3 4 5 6 7 1 2 3 4 6
Old Bailey 30
EC4M 7AU London

- **Mondrian Investment Partners Limited** 4 5 5
Floor 10
London Wall 60
EC2M 5TQ UK London

- **Montfort International Limited** 1 2 3 4 5 6 7 3 4 5 6 7
Shere Road
GU59BL Albury, Guildford

- **Monument Group Europe LLP** 1 3
4th Floor
Savile Row 7
W1S 3PE London

- **Morgan Stanley & Co. International Plc** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
Cabot Square 25
E14 4QA London

- **Morgan Stanley Investment Management Ltd** 1 3 4 5 5
Cabot Square 25
E14 4QA Canary Wharf, London

- **MVision Private Equity Advisors Ltd** 1 5
Connaught House
Mount Street 1-3
W1K 3NB London

- **NATIONAL WESTMINSTER BANK Plc** 2 3 4
BISHOPSGATE 250
EC2M 4AA London

- **NatWest Markets Plc** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
St Andrew Square 36
EH2 2YB Midlothian

- **Nomura International Plc** 1 2 3 4 5 6 7 1 2 3 4 5 6 7
Nomura House
Angel Lane 1
EC4R 3AB London

- **Numis Securities Ltd** 1 2 3 5 6 7 1 3 5 6
Paternoster Square 10
EC4M 7LT London

- **Oaktree Capital Management (UK) LLP** 1 2 4 5 4 5
Verde
Bressenden Place 10

SW1E 5DH London									
■ Odey Asset Management LLP	1			4	5				
Upper Grosvenor Street 12									
W1K 2ND London									
■ Odey Wealth Management (UK) Ltd	1	2							
Upper Grosvenor Street 12									
W1K 2ND London									
■ OMERS Infrastructure Europe Ltd	1			5				5	
The Leadenhall Building									
Leadenhall Street 122									
EC3V 4AB London									
■ OMERS Private Equity Europe Ltd	1			5				3	
The Leadenhall Building									
Leadenhall Street 122									
EC3V 4AB London									
■ Onyx Capital Advisory Ltd				5					
Wilton Road 25									
SW1V 1LW London									
■ Oppenheimer Europe Ltd	1	2	3	5	7			3	5
Gracechurch Street 6									
EC3V 0AT London									
■ Outfront Ninety One UK Limited	1	2		4	5	7			
Gresham Street 55									
EC2V 7EL London									
■ Oval Money Ltd	1								
Flat G									
Philbeach Gardens 88									
SW5 9EU London									
■ Panmure Gordon (UK) Limited	1	2	3	5	6	7		1	3
One New Change								4	5
EC4M 9AF London								6	
■ Payden & Rygel Global Limited	1	2		4	5				5
Bartholomew Lane 1									
EC2N 2AX London									
■ Peel Hunt LLP	1	2	3	5	6	7		1	3
Moor House								4	5
London Wall 120								6	
EC2Y 5ET London									
■ Pemberton Capital Advisors LLP	1			5					5
Terminal House									
Grosvenor Gardens 52									
SW1W 0AU London									
■ Perella Weinberg UK Ltd	1			5	7			3	5
Grafton Street 20									
W1S 4DZ London									
■ Permira Advisers LLP	1			5					

Pall Mall 80 SW1Y 5ES London								
■ Permira Credit Ltd	1			5				
Pall Mall 80 SW1Y 5ES London								
■ PGIM Ltd	1	2		4	5		1	3 4 5 7
Grand Buildings, Trafalgar Square Strand 1-3 WC2N 5HR London								
■ PGIM Private Capital Ltd	1			4	5			
8th Floor London Bridge 1 SE1 9BG London								
■ Phoenix Asset Management Partners Limited				4	5			
Glentham Road SW13 9JJ London								
■ Pictet Global Markets (UK) Limited	1	2	3	4	5			4 5
Stratton House, 6th Floor Stratton Street 5 W1J 8LA London								
■ Pimco Europe Ltd.	1	2		4	5			5
Baker Street 11 W1U 3AH London								
■ PJT Partners (UK) Ltd	1			5			3	5
Fifth floor One Curzon Street W1J 5HD London								
■ PRICOA Capital Group Ltd	1			5			3	4 5 6
London Bridge 1 SE1 9BG London								
■ Principal Global Investors (Europe) Ltd	1	2		4	5			5
Wood Street 1 EC2V 7JB London								
■ Prosperity Capital Management (UK) Ltd	1			5				5
2nd floor Cavendish Square 6 W1G 0PD London								
■ Putnam Investments Ltd	1			4	5			4 5 7
St. James's Street 16 SW1A 1ER London								
■ PVM Oil Futures Ltd	1	2		5				5
Verde Building, 3rd Floor Bressenden Place 10 SW1E 5DH London								
■ Quantessence Financial Ltd	1			5				
Cannon Street 33								

EC4M 5SB London		
■ Quest Fund Placement Ltd Egyptian House , 4th floor Piccadilly 170 W1J 9EJ London	1	5
■ R.J. O'Brien Ltd Cheapside 100 EC2V 6DT London	1 2 3	1 2 4 5
■ Raymond James Financial International Limited Broadwalk House Appold Street 5 EC2A 2AG London	1 2 3 5 7	3 5
■ RBC Europe Ltd Bishopsgate 100 EC2N 4AA London	1 2 3 4 6 7	1 2 3 4 5 6 7
■ RBC Global Asset Management (UK) Limited Grosvenor Street 77 W1K 3JR London	1 2 4 5	4
■ Record Currency Management Ltd Morgan House Madeira Walk SL4 1EP Windsor	1 2 4 5	4 5
■ Rede Partners LLP 3rd floor Park Street 110 W1K 6NX London	1	5
■ Refinitiv Transaction Services Ltd The Thomson Reuters Building South Colonnade 30 E14 EP London	1	8
■ Renaissance Capital Ltd 4th floor Bank Street 50 E14 5NT London	1 2 3 4 5 6 7	1 2 3 4 5 6
■ RIA Capital Markets Limited George Street 91 EH2 3ES Edinburgh	2 3	
■ Ruffer LLP Victoria Street 80 SW1E 5JL London	1 2 4 5	1 4 7
■ Russell Investments Implementation Services Ltd Rex House Regent Street 10 SW1Y 4PE London	1 2 4 5	4

<p>■ Russell Investments Ltd Rex House Regent Street 10 SW1Y 4PE London</p>	1 2 4 5	4
<p>■ RWC Asset Management LLP Verde Bressenden Place 10 SW1E 5DH London</p>	1 4 5	
<p>■ RWC Partners Verde 4th Floor Bressenden Place 10 SW1E 5DH London</p>	5	
<p>■ Sanford C. Bernstein Ltd Berkeley Street 50 W1J 8SB London</p>	1 2 3 5 6 7	4 5 6
<p>■ Santander UK Plc Regent's Place Triton Square 2 NW1 3AN London</p>	3	
<p>■ Saranac Partners Ltd St. James's Street 16 SW1A 1ER London</p>	1 2 4 5 7	3 4 5 7
<p>■ Schroder & C° Ltd London Wall Place 1 EC2Y 5AU London</p>	1 2 4 5	4
<p>■ Schroder Investment Management Ltd. London Wall Place 1 EC2Y 5AU London</p>	1 2 4 5	5
<p>■ Scotiabank Europe plc 6th Floor Bishopsgate 201 EC2M 3NS London</p>	1 2 3 6 7	3 4 5 6
<p>■ SECOR Investment Advisors (UK) LLP 1st Floor Sun Street 37 EC2M 2PL London</p>	5	
<p>■ Seilern Investment Management Ltd Portland Place 43 W1B 1QH London</p>	1 3 4 5	5
<p>■ Shinkin International Ltd 1st Floor London Wall 85 EC2M 7AD London</p>	1 2 3 5 7	6
<p>■ SMBC Nikko Capital Markets Ltd Queen Victoria Street 99 EC4V 4EH London</p>	1 2 3 5 6 7	4 5 6 7

<p>■ Societe Generale International Ltd Bishops Square 10 London</p>	1 2 3	5 6 7	1 2	4 5 6 7
<p>■ Spayne Lindsay & Co. LLP Strand 55 WC2N 5LR London</p>		5		
<p>■ Square Capital LLP Savile Row 9-10 W1S 3PF London</p>	1 2 3 4 5			
<p>■ Square Mile Asset Management Ltd The Minster Building Mincing Lane 21 EC3R 7AG London</p>	1 2	5		5
<p>■ St. James's Place Wealth Management Plc St. James's Place House Tetbury Road 1 GL7 1FP Cirencester</p>		5		
<p>■ Stamford Associates Limited Rotherwick House Old Bond Street 19-21 W1S4PX London</p>		5		5
<p>■ Stamford Partners Ltd 7 Clifford Street W1S 2WE London</p>		5	3	5 7
<p>■ Standard Chartered Bank Basinghall Avenue 1 EC2V 5DD London</p>	1 2 3 4 5 6 7		1 2 3 4 5 6 7	
<p>■ State Street Global Advisors Ltd Churchill Place 20 E14 5HJ London</p>	1	5		
<p>■ Stenham Asset Management (UK) Plc Great Portland Street 180 W1W 5QZ London</p>	1 2	4		5
<p>■ Stifel Nicolaus Europe Limited Cheapside 150 EC2V 6ET London</p>	1 2 3	6 7	3	5 6
<p>■ StoneX Financial Ltd Moor House, 1st Floor London Wall 120 EC2Y 5ET London</p>	1 2 3	5	2	4 5 7
<p>■ StormHarbour Securities LLP Old Burlington Street 10 W1S 3AG London</p>	1 2 3	5 7	3	5
<p>■ Sumitomo Mitsui Banking Corporation Europe Ltd Queen Victoria Street 99 EC4V 4EH London</p>	1 2 3	5 7	2 3 4 5	7

<p>■ Sunrise Brokers LLP Triton Street 20 NW1 3BF London</p>	1							
<p>■ Sussex Partners UK Ltd Savile Row 15 W1S 3PJ London</p>				5				
<p>■ Swiss Investment Corporation Ltd. Beaufort Court Admirals Way E14 9XL London</p>	1	2	3	5	7		3	
<p>■ Swiss Re Capital Markets Ltd St Mary Axe 30 EC3A 8EP London</p>	1	2	3		6	7	3	4 7
<p>■ T. Rowe Price International Ltd Warwick Court Paternoster Square 5 EC4M 7DX London</p>				4				5
<p>■ TD Securities Ltd Threadneedle Street 60 EC2R 8AP London</p>	1	2	3		6	7	2	4 5 6 7
<p>■ TFS Derivatives Limited Beaufort House St. Botolph Street 15 EC3A 7QX London</p>	1		3	5				5
<p>■ TFS-Icap Ltd Beaufort House St. Botolph Street 15 EC3A 7QX London</p>	1			5				5
<p>■ The Link Asset and Securities Company Ltd Broadgate 2 EC2M 7UR London</p>	1	2	3					
<p>■ The Seaport Group Europe LLP 7th Floor Regent Street 5-11 SW1Y 4LR London</p>	1	2	3	5				5
<p>■ THM Partners LLP Watling Street 25 EC4M 9BR London</p>	1			4	5		3	
<p>■ Threadmark LLP Grosvenor Street 24 W1K 4QN London</p>	1			5			3	5
<p>■ Tilney Asset Management Ltd Chesterfield Gardens 6 W1J 5BQ London</p>	1	2		4	5			5 7
<p>■ Tilney Asset Management Services Ltd</p>	1	2		4	5			4 5

EC2M 3TQ London							
■ Twelve Capital (UK) Ltd	1	2	4	5		3	4 5
Moss House							
Brooks Mews 15-16							
W1K 4DS London							
■ UBS Asset Management (UK) Ltd	1	2	3	4	5	6	7
Broadgate 5							
EC2M 2QS London							
■ UK Bond Network Ltd	1	2	3		6	7	7
CAP House, 5th floor							
Long Lane 9-12							
EC1A 9HA London							
■ UTI International Ltd				4			
New Cavendish Street 120							
W1W 6XX London							
■ Valiance Advisors LLP	1			5			5
Hanover Square 13							
W1S 1HN London							
■ ValuAnalysis Ltd				5		3	5
St.James's Square 8							
SW1Y 4JU London							
■ Vantage Capital Markets LLP	1	2	3				7
Equitable House, 1st Floor							
King William Street 47							
EC4R 9AF London							
■ Veritas Asset Management LLP	1	2	4				4
Smart's Place 1							
WC2B 5LW London							
■ VTB Capital Plc	1	2	3		6	7	3 4 5 6 7
5th Floor							
Cornhill 14							
EC3V 3ND London							
■ Wellington Management International Ltd.	1	2	4	5			4 5
Cardinal Place							
Victoria Street 80							
SW1E 5JL London							
■ Wells Fargo Securities International Ltd	1	2	3		5	6	7
King William Street 33							
EC4R 9AT London							
■ Western Asset Management Company Limited	1	2	4	5			5
Exchange Square 10							
EC2A2EN London							
■ WHEB Asset Management LLP	1	2	4	5			
Cavendish Square 7							
W1G 0PE London							

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<p>■ Capstone Advisors SA Rue Juste Olivier 9 1260 Nyon</p>	1 5	
<p>■ CITÉ GESTION SA Rue de la Cité 15-17 CH-1204 Genève</p>	1 2 3 4 5 6	5
<p>■ COGES Corratierie Gestion SA Rue du Rhône 65 1204 Genève</p>	1 2 4 5 6	5
<p>■ Crédit Suisse (Switzerland) AG Paradeplatz 8 8001 Zürich</p>	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<p>■ Crédit Suisse AG P.O. Box 100 Paradeplatz 8 8001 Zürich</p>	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<p>■ de Pury Pictet Turrettini & Cie SA Rue de la Corratierie 12 1204 Geneva</p>	4 5	4
<p>■ DWS CH AG Hardstrasse 201 8005 Zürich</p>	4 5	
<p>■ EBS Service Company Ltd. Lavaterstrasse 40 8002 Zurich</p>	1	
<p>■ Fisch Asset Management AG Bellerive 241 8008 Zürich</p>	1 4 5	5
<p>■ Gottex Brokers SA Chemin de Pallin 6 1009 Pully</p>	1	
<p>■ IBKR Financial Services AG Gotthardstrasse 3 6300 Zug</p>	2 3	1 4
<p>■ Intermoney Financial Products SA Chemin de la Clergère 23 CH-1009 Pully</p>	3	
<p>■ LGT Capital Partners Ltd Schützenstrasse 6 8808 Pfäffikon</p>	4 5	
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