



<ul style="list-style-type: none"> <li>■ <b>Macquarie Securities (Australia) Ltd</b> 1 Martin Place Level 3 2000 Sidney, New South Wales</li> </ul>	1 2	5 6 7	1	5 6
<ul style="list-style-type: none"> <li>■ <b>National Australia Bank Limited</b> Level 1 Bourke Street 800 3008 Docklands</li> </ul>	1 2 3 4 5 6 7		1 2	4 5 6 7
<ul style="list-style-type: none"> <li>■ <b>Westpac Banking Corporation</b> Kent Street 275 NSW 2000 Sydney</li> </ul>	1 2 3 4 5 6 7		1 2 3 4	6
o <b>Canada</b>				
<ul style="list-style-type: none"> <li>■ <b>Aligned Capital Partners Inc</b> suite 300 Champlain Ave 1001 L7L 5Z4 Burlington</li> </ul>	1 2 3 4 5			
<ul style="list-style-type: none"> <li>■ <b>Bank of Montreal</b> rue Saint-Jacques 129 H2Y 1L6 Quebec</li> </ul>	1 2 3 4 5 6 7		1 2 3 4 5 6 7	
<ul style="list-style-type: none"> <li>■ <b>Fiera Capital Corporation</b> Suite 1500 McGill College Avenue 1981 QC H3A 0H5 Montreal</li> </ul>		4		
<ul style="list-style-type: none"> <li>■ <b>K.J. Harrison &amp; Partners Inc</b> Bedford Road 60 M5R 2K2 Toronto</li> </ul>		4		
<ul style="list-style-type: none"> <li>■ <b>PineStone Asset Management Inc.</b> Suite 1600 McGill College Avenue 1981 H3A 2Y1 Quebec</li> </ul>	1 2	4 5		4 5
<ul style="list-style-type: none"> <li>■ <b>Royal Bank of Canada</b> Royal Bank Plaza Bay Street 200 M5J 2J5 Toronto</li> </ul>	1 2 3		2	4 7
<ul style="list-style-type: none"> <li>■ <b>Scotia Capital Inc.</b> Scotia Plaza 40 King St. West M5W 2X6 Toronto</li> </ul>	1 2 3	6 7		
<ul style="list-style-type: none"> <li>■ <b>The Bank of Nova Scotia</b> Hollis Street 1709 B3J 3B7 Halifax</li> </ul>	1 2 3 4 5 6 7 8		1 2 3 4 5 6 7	
<ul style="list-style-type: none"> <li>■ <b>The Toronto-Dominion Bank</b> 15th Floor, TD Tower Wellington St. West 66 ON M5K 1A2 Toronto</li> </ul>	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** 1 5  
17th floor  
Third Avenue 880  
NY 10022 New York
- **LMCG Investments, LLC** 4 5  
28th Floor  
Clarendon Street 200  
MA 02116 Boston
- **Mellon Capital Management Corporation** 1 2 4  
Mellon Financial Center  
One Boston Place  
02108-4408 Boston, MA
- **Merrill Lynch** 1 2  
World Financial Center - North Tower  
250 Vesey Street  
New York
- **Mesirow Financial Investment Management Inc** 4 5 4 5  
North Clark Street 353  
60654 Chicago
- **Mirova US LLC** 1 2 4 5  
Boylston Street 888  
MA 02199-8197 Boston
- **Morgan Stanley & C° Inc.** 1 2 3 4 6 7  
1585 Broadway  
NY 10036 New York
- **Needham & Company Inc.** 1 2 3 6 7  
445 Park Avenue  
NY 10022-2602 New York
- **Oaktree Capital Management, L.P.** 1 2 4 5 4 5  
28th floor  
South Grand Avenue 333  
CA 90071 Los Angeles
- **Payden & Rygel** 4  
333 South Grand Avenue  
CA 90071 Los Angeles
- **PGIM Quantitative Solutions LLC** 1 4 5 4  
16th Floor  
Broad Street 655  
NJ 07102 Newark
- **PGIM, Inc.** 1 3 4 5 7 4  
Broad Street 655  
NJ 07102 Newark
- **Polaris Capital Management LLC** 4 4 5  
High Street 121  
MA 02110 Boston

<ul style="list-style-type: none"> <li>■ <b>Prudential Investment Management Services LLC</b> 19th Floor Broad Street 655 N.J. 07102 Newark</li> </ul>	1	5	7										
<ul style="list-style-type: none"> <li>■ <b>Pzena Investment Management llc</b> 320 Park Ave 8th floor NY 10022 New York</li> </ul>		4	5	7									
<ul style="list-style-type: none"> <li>■ <b>Sanford C. Bernstein &amp; C° Inc.</b> 767 Fifth avenue NY 10153-0185 New York</li> </ul>	1	2	3	4	6	7							
<ul style="list-style-type: none"> <li>■ <b>State Street Bank and Trust Company</b> Suite 1 Congress Street 1 MA 02114-2016 Boston</li> </ul>	1	2	3	4	1	2	4	5					
<ul style="list-style-type: none"> <li>■ <b>State Street Global Advisors Trust Company</b> Iron Street 1 MA 02210 Boston</li> </ul>		4	5				5						
<ul style="list-style-type: none"> <li>■ <b>The Bank of New York Mellon</b> Greenwich Street 240 NY 10286 New York</li> </ul>	1	2	3	4	5	6	7	1	2	4	5	6	7
<ul style="list-style-type: none"> <li>■ <b>The Northern Trust Company</b> South LaSalle Street 50 60603 Chicago</li> </ul>	1	2	3					1	2	4			
<ul style="list-style-type: none"> <li>■ <b>Westwood Management Corp.</b> Suite 1200 Crescent Court 200 75201 Dallas</li> </ul>					4	5				4	5	7	
o <b>Guernsey</b>													
<ul style="list-style-type: none"> <li>■ <b>Schroders Ltd</b> Esplanada GY13UF ST Peter Prt</li> </ul>		1	2		4	5						4	
o <b>Hong-Kong</b>													
<ul style="list-style-type: none"> <li>■ <b>Invesco Asia Ltd.</b> 12/F Three Exchange Square 8 Connaught Place Hong Kong</li> </ul>												4	
<ul style="list-style-type: none"> <li>■ <b>Macquarie Capital Securities (Hong Kong) ltd</b> 1 Tim Mei Avenue 19/F CITIC Tower Central Hong Kong</li> </ul>	1	2	3		5	6	7			3	4	5	6
<ul style="list-style-type: none"> <li>■ <b>Morgan Stanley Dean Witter Asia Ltd.</b> 30th Floor Three Exchange Square Hong Kong</li> </ul>	1	2	3	4			6	7					

- **Morgan Stanley Dean Witter Hong Kong Securities Ltd.** 1 2 4 6 7  
30th Floor  
Three Exchange Square  
Hong Kong
- o **Israël**
  - **Poalim Sahar Ltd.** 1 2 3 6 7  
Menachem Begin Rd 23  
6618356 Tel Aviv
- o **Maurice (file)**
  - **LS Advisors Ltd** 1 2 4 5 4 5  
Il Poncian building  
Royal Road  
Mauritius
- o **Royaume-Uni**
  - **Acadian Asset Management uk Ltd** 2 4 5 5  
6th Floor  
King William Street 24  
EC4R 9AT London
  - **Access Equity Management Ltd** 1 2 3 5 3  
Dorset Street 43-45  
W1U 7NA London
  - **ADM Investment Services International Ltd** 1 2 3 4 5 2 4 5  
Millennium Bridge House, 4th floor  
Lambeth Hill  
EC4V 3TT London
  - **AE Global Investment Solutions Ltd** 1 2 4 5 3 4 6  
Shaftesbury Centre, Unit 10  
Barlby Road 85  
W10 6BN London
  - **Aerius Associates Advisers LLP** 1 5 3  
Denham Building, 6th floor  
St. James's Street 27  
SW1A 1HA London
  - **Aldgate Advisors Ltd** 1 5 3 4 5  
fifth floor  
Fenchurch Street 20  
EC3M 3BY London
  - **Alger Management Ltd** 1 2 4 5 5 7  
Brook Street 78  
W1K 5EF London
  - **AllianceBernstein Ltd** 1 2 4 5  
London Wall 60  
EC2M 5SJ London

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



Portman Square 10  
W1H 6AZ London

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

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

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

The News Building London Bridge Street 3 SE1 9SG London					
■ <b>Eaton Vance Advisors International Ltd</b>			4	5	
Old Broad Street 125 EC2N1AR London					
■ <b>Eaton Vance Investment (Management) International Ltd</b>			4	5	
Old Broad Street 125 EC2N1AR London					
■ <b>Ebury Partners Markets Ltd</b>		2	3	5	4
3rd floor Victoria Street 100 SW1E 5JL London					
■ <b>ED&amp;F Man Capital Markets Ltd</b>		1	2	3	1 2 4
London Bridge Street 3 SE1 9SG London					
■ <b>Edinburgh Partners Limited</b>		1	2	4	5
Melville Street 27-31 EH3 7JF Edinburgh					
■ <b>Edmond de Rothschild Asset Management (UK) Limited</b>				5	7 3
Carlton Gardens 4 SW1Y 5AA London					
■ <b>ELITE Club Deal Ltd</b>		1			
The London Stock Exchange Paternoster Square 10 EC4M 7LS London					
■ <b>Evelyn Partners Investment Management LLP</b>		1	2	4	5 1 4 5
Gresham Street 45 EC2V 7BG London					
■ <b>Evelyn Partners Investment Services Ltd</b>		1	2	4	5 6 7 1 2 4 5 6
Gresham Street 45 EC2V 7BG London					
■ <b>Fidante Partners Europe Limited</b>		1		5	5
Bridge House Queen Victoria Street 181 EC4V 4EG London					
■ <b>FIL Investments International</b>		1	2	4	5 4 5
Beech Gate Millfield Lane KT20 6RP Tadworth					
■ <b>First Reserve International Ltd</b>		1		5	
7th Floor Victoria Street 25 SW1H 0EX London					

<ul style="list-style-type: none"> <li> <b>■ First State Investments International Limited</b>            St Andrew Square 23            EH2 1BB Edinburgh         </li> </ul>	1	2	4	5			
<ul style="list-style-type: none"> <li> <b>■ First Trust Global Portfolios Limited</b>            Angel Court 8            EC2R 7HJ London         </li> </ul>	1		4	5			5
<ul style="list-style-type: none"> <li> <b>■ FirstRand Bank Limited (London Branch)</b>            The Broadgate Tower, level 23            Primrose Street 20            London         </li> </ul>	1	2	3	5	6	7	3 5 6
<ul style="list-style-type: none"> <li> <b>■ FIS Global Execution Services Ltd</b>            Canada Square 25            E14 5LQ London         </li> </ul>	1						
<ul style="list-style-type: none"> <li> <b>■ Fisher Investments Europe Ltd</b>            Level 18            One Canada Square, Canary Wharf            E14 5AX London         </li> </ul>	1		4	5			
<ul style="list-style-type: none"> <li> <b>■ Five Arrows Managers LLP</b>            New Court            St Swithin's Lane            EC4N 8AL London         </li> </ul>	1	2	4	5	7		5
<ul style="list-style-type: none"> <li> <b>■ Foreign Currency Innovations Ltd</b>            Union House, Suite 1C            High Street 117            CM12 9AJ Essex         </li> </ul>	1	2	4				1 4 7
<ul style="list-style-type: none"> <li> <b>■ Formax Prime Capital (UK) Ltd</b>            2nd Floor            Poultry 1            EC2R 8EJ London         </li> </ul>	1	2	3	6	7		
<ul style="list-style-type: none"> <li> <b>■ Fortem Capital Ltd</b>            Gloucester Place 121            W1U 6JY London         </li> </ul>	1	2	4	5			5 7
<ul style="list-style-type: none"> <li> <b>■ Fund Analytics Investment Management LLP</b>            Wavel Mews 12            NW6 3AB London         </li> </ul>	1	2	4	5			4 5
<ul style="list-style-type: none"> <li> <b>■ GC Exchange Ltd</b>            King William Street 75            EC4N 7BE London         </li> </ul>	1	2					
<ul style="list-style-type: none"> <li> <b>■ Generation Investment Management LLP</b>            Air Street 20            W1B 5AN London         </li> </ul>	1	2	4	5			3 4
<ul style="list-style-type: none"> <li> <b>■ GFI Brokers Ltd</b>            Snowden Street 1            EC2A 2DQ London         </li> </ul>	1		5	8			4
<ul style="list-style-type: none"> <li> <b>■ GFI Securities Limited</b> </li> </ul>	1	2	3	5	7	8	5

Snowden Street 1									
EC2A 2DQ London									
■	<b>GFP Juniper LLP</b>	1	5					5	
Great Guildford Street 30									
SE1 0HS London									
■	<b>Globacap Ltd</b>	1					1		
Octagon Point									
Cheapside 5									
EC2V 6AA London									
■	<b>Global Coal Limited</b>	1	2						7
Coleman Street 30									
EC2R 5AL London									
■	<b>GMSA Investments Ltd</b>	1	2	3		6	7		
Grosvenor Street 66									
W1K 3JL London									
■	<b>GoldenTree Asset Management UK LLP</b>	1	2		4	5			4 5
Davies Street 33									
W1K 4LR London									
■	<b>Goldman Sachs Asset Management International</b>	1	2		4	5			4 5 7
Plumtree Court									
Shoe Lane 25									
London EC4A 4AU									
■	<b>Goldman Sachs International</b>	1	2	3	4	5	6	7	8 1 2 3 4 5 6 7
Peterborough Court									
Shoe Lane 25									
EC4A 4AU London									
■	<b>Goldman Sachs International Bank</b>	1	2	3	4	5	6	7	8 1 2 3 4 5 6 7
Peterborough Court									
Fleet Street 133									
EC4A 2BB London									
■	<b>Green Street Advisors (UK) Ltd</b>								3 5
6th Floor									
Panton Street 30									
SW1Y 4AJ London									
■	<b>Greenhill &amp; Co. International LLP</b>	1			5				3 5
Lansdowne House									
Berkeley Square 57									
W1J 6ER London									
■	<b>Greensledge Capital Markets Europe LLP</b>	1	2	3		5	7		1 3 5 6 7
Broadwickstreet 30									
W1F 8JB London									
■	<b>GST Capital Ltd</b>				3				
Ballards Lane 35									
N3 1XW London									
■	<b>Gulf International Bank (UK) Ltd</b>	1	2	3	4	5			1 4 5 7
Knightsbridge 1									







Primrose Street 20  
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- **J.P. Morgan Asset Management (UK) LTD** 1 2 4 5 3 4 5 6  
20 Finsbury Street  
Finsbury Dials  
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- **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  
Minories 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  
Brook Street 78  
W1K 5EF London
- **Laven Advisors LLP** 1 2 3 4 5  
Old Jewry 11,





Finsbury Circus 12-15  
EC2M 7BT 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** 1 2 3 4 3  
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
- **Novate Global Markets Ltd** 1 2 3 5 6 7 1 6  
Lombard Street 24  
EC3V 9AJ London
- **Numis Securities Ltd** 1 2 3 5 6 7 1 3 5 6  
Paternoster Square 10  
EC4M 7LT London

<ul style="list-style-type: none"> <li>■ <b>Oaktree Capital Management (UK) LLP</b> Verde Bressenden Place 10 SW1E 5DH London</li> </ul>	1 2 4 5	4 5
<ul style="list-style-type: none"> <li>■ <b>Odey Asset Management LLP</b> Upper Grosvenor Street 12 W1K 2ND London</li> </ul>	1 4 5	
<ul style="list-style-type: none"> <li>■ <b>Odey Wealth Management (UK) Ltd</b> Upper Grosvenor Street 12 W1K 2ND London</li> </ul>	1 2	
<ul style="list-style-type: none"> <li>■ <b>OMERS Infrastructure Europe Ltd</b> The Leadenhall Building Leadenhall Street 122 EC3V 4AB London</li> </ul>	1 5	5
<ul style="list-style-type: none"> <li>■ <b>OMERS Private Equity Europe Ltd</b> The Leadenhall Building Leadenhall Street 122 EC3V 4AB London</li> </ul>	1 5	3
<ul style="list-style-type: none"> <li>■ <b>Onyx Capital Advisory Ltd</b> Wilton Road 25 SW1V 1LW London</li> </ul>	5	
<ul style="list-style-type: none"> <li>■ <b>Oppenheimer Europe Ltd</b> Gracechurch Street 6 EC3V 0AT London</li> </ul>	1 2 3 5 7	3 5
<ul style="list-style-type: none"> <li>■ <b>Outfront Ninety One UK Limited</b> Gresham Street 55 EC2V 7EL London</li> </ul>	1 2 4 5 7	
<ul style="list-style-type: none"> <li>■ <b>Oval Money Ltd</b> Flat G Philbeach Gardens 88 SW5 9EU London</li> </ul>	1	
<ul style="list-style-type: none"> <li>■ <b>Panmure Gordon (UK) Limited</b> One New Change EC4M 9AF London</li> </ul>	1 2 3 5 6 7	1 3 4 5 6
<ul style="list-style-type: none"> <li>■ <b>Payden &amp; Rygel Global Limited</b> Bartholomew Lane 1 EC2N 2AX London</li> </ul>	1 2 4 5	5
<ul style="list-style-type: none"> <li>■ <b>Peel Hunt LLP</b> Moor House London Wall 120 EC2Y 5ET London</li> </ul>	1 2 3 5 6 7	1 3 4 5 6
<ul style="list-style-type: none"> <li>■ <b>Pemberton Capital Advisors LLP</b> Terminal House Grosvenor Gardens 52 SW1W 0AU London</li> </ul>	1 5	5
<ul style="list-style-type: none"> <li>■ <b>Perella Weinberg UK Ltd</b></li> </ul>	1 5 7	3 5

Grafton Street 20 W1S 4DZ London								
■ <b>Permira Advisers LLP</b>	1			5				
Pall Mall 80 SW1Y 5ES London								
■ <b>Permira Credit Ltd</b>	1			5				
Pall Mall 80 SW1Y 5ES London								
■ <b>PGIM Ltd</b>	1	2		4	5		1	3 4 5 7
Grand Buildings, Trafalgar Square Strand 1-3 WC2N 5HR London								
■ <b>PGIM Private Capital Ltd</b>	1			4	5			
8th Floor London Bridge 1 SE1 9BG London								
■ <b>Phoenix Asset Management Partners Limited</b>				4	5			
Glentham Road SW13 9JJ London								
■ <b>Pictet Global Markets (UK) Limited</b>	1	2	3	4	5			4 5
Stratton House, 6th Floor Stratton Street 5 W1J 8LA London								
■ <b>Pimco Europe Ltd.</b>	1	2		4	5			5
Baker Street 11 W1U 3AH London								
■ <b>PJT Partners (UK) Ltd</b>	1			5			3	5
Fifth floor One Curzon Street W1J 5HD London								
■ <b>PRICOA Capital Group Ltd</b>	1			5			3	4 5 6
London Bridge 1 SE1 9BG London								
■ <b>Principal Global Investors (Europe) Ltd</b>	1	2		4	5			5
Wood Street 1 EC2V 7JB London								
■ <b>Prosperity Capital Management (UK) Ltd</b>	1			5				5
2nd floor Cavendish Square 6 W1G 0PD London								
■ <b>PVM Oil Futures Ltd</b>	1	2		5				5
Verde Building, 3rd Floor Bressenden Place 10 SW1E 5DH London								
■ <b>Quantessence Financial Ltd</b>	1			5				
Cannon Street 33								



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

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

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

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



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



<p>■ <b>Capital International SARL</b>  3 Place des Bergues  1201 Genève</p>	4 5	5
<p>■ <b>Capstone Advisors SA</b>  Rue Juste Olivier 9  1260 Nyon</p>	1 5	
<p>■ <b>CITÉ GESTION SA</b>  Rue de la Cité 15-17  CH-1204 Genève</p>	1 2 3 4 5 6	5
<p>■ <b>COGES Corratierie Gestion SA</b>  Rue du Rhône 65  1204 Genève</p>	1 2 4 5 6	5
<p>■ <b>de Pury Pictet Turrettini &amp; Cie SA</b>  Rue de la Corratierie 12  1204 Geneva</p>	4 5	4
<p>■ <b>DWS CH AG</b>  Hardstrasse 201  8005 Zürich</p>	4 5	
<p>■ <b>EBS Service Company Ltd.</b>  Lavaterstrasse 40  8002 Zurich</p>	1	
<p>■ <b>Fisch Asset Management AG</b>  Bellerive 241  8008 Zürich</p>	1 4 5	5
<p>■ <b>Gottex Brokers SA</b>  Chemin de Pallin 6  1009 Pully</p>	1	
<p>■ <b>IBKR Financial Services AG</b>  Gotthardstrasse 3  6300 Zug</p>	2 3	1 4
<p>■ <b>Intermoney Financial Products SA</b>  Chemin de la Clergère 23  CH-1009 Pully</p>	3	
<p>■ <b>LGT Capital Partners Ltd</b>  Schützenstrasse 6  8808 Pfäffikon</p>	4 5	
<p>■ <b>Morgan Stanley AG</b>  Beethovenstrasse 33  CH-8002 Zurich</p>	4	
<p>■ <b>Pictet Asset Management SA</b>  Route des Acacias 60  1211 Genève</p>	1 4 5	
<p>■ <b>responsAbility Investments AG</b>  Zollstrasse 17  8005 Zürich</p>	1 4 5	5 6



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- **UBS AG** 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7  
 Bahnhofstrasse 45  
 8001 Zurich
- **UBS Asset Management Switzerland AG** 1 4 4  
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 8001 Zurich
- **UBS SWITZERLAND AG** 1 2 3 4 5 6 7 1 2 3 4 5 6 7  
 Bahnhofstrasse 45  
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