Ownership & Profiles Factsheet

Refinitiv maintains the most complete global Share Ownership & Profiles data in the industry, providing insight into ‘who owns what’ for public equities and delivering intelligence on investment managers, securities firms and their key decision makers. Over 30 years of collection experience guarantees the highest quality standards, plus the commitment to extend coverage and drive innovation in the future. We offer a range of delivery options, from desktop solutions to datafeeds.

WHY CHOOSE REFINITIV?

- Deep historical data allows clients to understand ownership trends over time, essential for validating quantitative investment models which encapsulate buy/sell/hold activity across sectors and geographies.
- Ownership content links directly to detailed Profiles of investment firms and their personnel with relevant attributes covered including address, e-mail, direct phone and fax numbers, job title/function, biography, industry/sector specialization, funds managed, among others details.
- Strong regional and local content, such as UK Share Registers and Japanese Detailed Shareholdings, allows clients to fine tune their deal making and investment strategies to suit the local market.
- Insider stock transactions and holdings in the US, Canada, UK, Australia, China, Hong Kong, India, Singapore and Taiwan, give our clients insider views that may serve as buy or sell signals for their portfolio.

REFINITIV OWNERSHIP & PROFILES – ADVANTAGES

Global coverage
With holdings worth approximately US$67 trillion across more than 70,000 securities in 70+ markets, we offer unrivalled insight into the ownership structure of equities globally. We continue to invest in content expansion, especially in rapidly developing markets.

Depth of history
The deepest history from any vendor, with 30+ years of US 13F data and 15+ years of global shareholding content. For Insiders, we offer US history back to 1986; Canadian data back to 2003 and UK Directors content back to 1997.

Experience
Over the past 30 years we have developed strong links with investment firms, registrars, local stock exchanges and regulatory authorities; these essential relationships provide the most timely and accurate Ownership & Profiles content available.

Detailed Local Content
To complement our broad global coverage we offer specialist local insight, such as: UK Share Register content, Japanese Detailed Shareholdings, Japanese Ownership content in Kanji and Asian Directors holdings. Our UK Share Register content covers approximately 2,300 UK securities, analyzed down to a threshold of 0.015% and supplemented with daily Regulatory News Service filings.

Profiles & Contacts
The institutional firm Profile and Contacts database contains information (such as Affiliations, Investment Approach, Key Investment Personnel, among other key attributes) on nearly 200,000 Buy- and Sell-side professionals from 30,000+ investment firms worldwide, making it the most comprehensive content in the marketplace. Investment firms and decision makers with underlying ownership holdings data is integrated to give users the most comprehensive and up to date representation of the investment players making the buy, sell, and hold decisions moving markets.

Quality & Timeliness
Refinitiv offers the most up-to-date content, with a global team of over 250 experienced research professionals processing all daily trade and significant shareholdings announcements within 24 hours and checking over 14,000 individual data points each day (both automated and manually). Over 250 individual metrics are monitored by an independent and separate Quality and Assurance team to ensure the highest measure accuracy, timeliness and coverage.

Screening/Aggregates
Our content can also be used for ownership-based screening activities across indices, exchanges, countries, regions and industries. This complements the top-down investment approach, favored by many of our clients, and dovetails with similar capabilities in our Fundamentals and Estimates content sets.

Transparency
Links directly to source documents, such as SEC filings, giving clients transparency into our Ownership & Profiles content.

ABOUT REFINITIV

Refinitiv is one of the world’s largest providers of financial markets data and infrastructure, serving over 40,000 institutions in over 190 countries. It provides leading data and insights, trading platforms, and open data and technology platforms that connect a thriving global financial markets community – driving performance in trading, investment, wealth management, regulatory compliance, market data management, enterprise risk and fighting financial crime.

For more information, go to www.refinitiv.com.
REGIONAL INSIGHT

Americas
- Unparalleled universe of 13Fs and extensive breakdown of 13F filings to investment discretion level - all processed and visible on Eikon on the day of disclosure.
- 13F history to 1997 (back to 1978 via WRDS service).
- North American Declarable Stakes coverage for ~10,000 securities.
- Full coverage of over 500,000 North American Insiders. Transactional filings processed within 24 hours of receipt.
- Declarable Stakes coverage of all listed securities in Argentina, Brazil, Chile, Colombia, Mexico & Peru.

Asia
- Declarable Stakes coverage of all listed securities in Australia, China, Hong Kong, India, Indonesia, Japan, Korea, Malaysia, New Zealand, Singapore, Taiwan, Thailand & Vietnam.
- Insider data for Australia, China, Hong Kong, India, Singapore & Taiwan.
- Japanese 5% data and Detailed Shareholder Reports for 3,700 listed securities.
- Kanji language data available to Japanese clients.

EMEA
- All top index, large cap Western European securities are updated quarterly. All other securities are updated semi-annually. All supplemented with daily trades data.
- Coverage of all listed securities in Scandinavia; daily trade updates, bi-weekly refreshes of all Danish Declarable Stakes, quarterly updates of all large cap Finnish, Icelandic, Norwegian and Swedish securities. All other listed securities are updated semi-annually.
- Declarable Stakes coverage for listed securities in Bahrain, Egypt, Israel, Jordan, Kenya, Kuwait, Lebanon, Morocco, Nigeria, Oman, Qatar, Saudi Arabia, South Africa, & UAE.
- Monthly Declarable Stakes coverage for 13 CEE markets; Bulgaria, Croatia, Czech Rep, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Russia, Slovakia, Slovenia & Ukraine.

UKI
- Unrivalled coverage of UK; 2,300 UK & Irish securities, 390,000 owners and 5,000 UK & Irish mutual funds.
- Full coverage of stocks listed on the AIM (Alternative Investment Market).
- Daily analysis of UK RNS announcements - all processed and visible on Eikon on the day of disclosure.
- Share Register data for FTSE 350 securities updated monthly, data for 1,300+ securities outside the FTSE 350 updated quarterly and a further 650+ are updated semi-annually. All securities analysed down to a threshold of 0.015% of the shares in issue.
- S793 analysis on the top 1,000 PLCs reveals an additional level of beneficial ownership

COVERAGE DETAILS

Ownership

<table>
<thead>
<tr>
<th>REGION</th>
<th>STOCKS</th>
<th>OWNERS</th>
<th>PORTFOLIOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia/Pacific</td>
<td>23,513</td>
<td>277,359</td>
<td>6,466</td>
</tr>
<tr>
<td>EMEA</td>
<td>7,652</td>
<td>36,275</td>
<td>12,560</td>
</tr>
<tr>
<td>Latin America</td>
<td>1,131</td>
<td>5,077</td>
<td>7,375</td>
</tr>
<tr>
<td>North America</td>
<td>9,261</td>
<td>83,680</td>
<td>13,956</td>
</tr>
<tr>
<td>UK &amp; Ireland</td>
<td>2,306</td>
<td>393,101</td>
<td>5,453</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>43,863</strong></td>
<td><strong>795,492</strong></td>
<td><strong>45,810</strong></td>
</tr>
</tbody>
</table>

*Portfolios = the number of portfolios with Ownership holdings attached. Refinitiv collects approximately 142,000 fund portfolio profiles in total.

Profiles

<table>
<thead>
<tr>
<th>REGION</th>
<th>BUY-SIDE FIRMS</th>
<th>SELL-SIDE FIRMS</th>
<th>BUY-SIDE CONTACTS</th>
<th>SELL-SIDE CONTACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia/Pacific</td>
<td>4,419</td>
<td>758</td>
<td>25,005</td>
<td>10,042</td>
</tr>
<tr>
<td>EMEA</td>
<td>6,360</td>
<td>659</td>
<td>34,873</td>
<td>6,406</td>
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<tr>
<td>Latin America</td>
<td>839</td>
<td>111</td>
<td>3,618</td>
<td>1,330</td>
</tr>
<tr>
<td>North America</td>
<td>14,576</td>
<td>768</td>
<td>77,468</td>
<td>11,323</td>
</tr>
<tr>
<td>UK &amp; Ireland</td>
<td>2,025</td>
<td>214</td>
<td>18,448</td>
<td>4,626</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>28,219</strong></td>
<td><strong>2,510</strong></td>
<td><strong>159,412</strong></td>
<td><strong>33,727</strong></td>
</tr>
</tbody>
</table>

DATA TYPES
- Owner name and owner details
- Security description
- Number of shares held
- Market value of holdings
- Percent of shares outstanding
- Report/transaction date of the holdings
- Investment advisor and underlying mutual funds
- Investment Styles
- Assets Under Management
- Detailed history

SOURCING & TIMELINESS
Ownership data is sourced on a daily, weekly, monthly, quarterly, semi-annual and annual basis from stock exchanges, regulatory bodies, institutions, financial reports and through relationships with publicly listed companies, fostered over the years. Once processed, Ownership information is updated intraday on Eikon and daily to all other product platforms.

AVAILABILITY
- Eikon
- Thomson ONE
- StreetSight
- Refinitiv Data Feeds
- TRMSO, TRQA
- Knowledge Direct API


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