Business Information: Where to find what?

Jiaxin Low,
Research Librarian, Finance
Agenda

• What types of business information are there?
• What are the different sources of information?
• How can I find relevant information more effectively?
Learning Outcomes

• By the end of this session, you should be able to:
  – Evaluate the availability of information
  – Differentiate between information sources
  – Locate information in a structured manner
IS IT ACTUALLY OUT THERE?
Why something “can’t be found”

• Private information
  – Private companies
  – Trade secret / Classified

• It does not exist
What is business information?

- Broadly categorised into:
  - Company information
  - Industry information
  - Market/Financial information
  - Statistics
Company information

- Qualitative information
  - Company description (history, board members, etc)
  - Analyst coverage (from investment banks)
- Quantitative information
  - Financial statistics (Revenue, income, etc)
  - Company statistics (number of employees, etc)
Sources of company information

- Company website (e.g. http://www.capitaland.com/)
  - About us
  - Investor relations (for listed companies)
  - Press releases
Sources of company information

• Databases
  – Bloomberg
  – Datastream
  – Capital IQ
  – Eikon
  – OneSource
  – EMIS
  – etc...
Sources of company information

- Bloomberg
Sources of company information

- Datastream
Sources of company information

- Capital IQ

Creative Technology Ltd. (SGX:C76) Public Company Profile

Website: www.creative.com
Number of Employees: 1981
Current Professionals Profiled: 2
Year Founded: 1981

Business Description
Creative Technology Ltd., together with its subsidiaries, designs, manufactures, and distributes digital entertainment products for personal computers and personal digital entertainment products; and data communications, telecommunications, wireless broadband, and Internet worldwide. In addition, it is engaged in property rental business. The company was founded in 1981 and is headquartered in Singapore.

Primary Industry Classification
Technology Hardware, Storage and Peripherals

Primary Office Location
31 International Business Park No. 03-01 Creative Resource | Singapore | 609921 | Singapore
Phone: 65 695 4000 | Fax: 65 695 4999

Current and Pending Investors
Walden International

Prior Investors
Vertex Venture Holdings Ltd.

Our Passion, Our Commitment, Your Advantage
Sources of company information

- Eikon
Sources of company information

• **OneSource** ([http://catalogue.library.smu.edu.sg/record=e1000080~S1](http://catalogue.library.smu.edu.sg/record=e1000080~S1))
Sources of company information

- EMIS (http://catalogue.library.smu.edu.sg/record=e1000059~S1)
Sources of company information

• Websites: rich source of info, current information
• Databases: standardised format and information, easy to download, historical data available
Sources of company information

• Private companies
  – Company websites
  – Databases: some limited information, usually descriptive
  – News articles covering the company
INDUSTRY RESEARCH

Our Passion, Our Commitment, Your Advantage
Industry information

aka “market research”

- Qualitative
  - Industry analysis
  - Industry outlook
  - Guidelines, policies, etc

- Quantitative
  - Ratios
  - Comparative analysis
Sources of industry information

• **Trade associations websites** (listing available here: [http://www.customs.gov.sg/topNav/use/Chambers+of+Commerce+and+Trade+Associations.html](http://www.customs.gov.sg/topNav/use/Chambers+of+Commerce+and+Trade+Associations.html)) e.g. Singapore Business Federation
Sources of industry information

• PYXIS+ (http://library.smu.edu.sg) – Refine search for publication type "Reports"

1. ISRAEL BUSINESS FORECAST REPORT.
   Subjects: ECONOMIC activity; FISCAL policy; MONETARY policy; PHARMACEUTICAL industry; TELECOMMUNICATION; AUTOMOBILE industry; New Car Dealers; Automobile and light-duty motor vehicle manufacturing; Automotive Manufacturing; Motor Vehicle Body Manufacturing; Automobile and Other Motor Vehicle Merchant Wholesalers; New and used automobile and light-duty truck merchant wholesalers; Drugs and Druggists’ Sundries Merchant Wholesalers; Pharmaceutical Preparation Manufacturing; Pharmaceutical and medicine manufacturing; Pharmaceuticals and pharmacy supplies merchant wholesalers; ISRAEL – Politics & government; ISRAEL – Economic conditions – 21st century; ISRAEL.

   PDF Full Text (6MB)

2. GREECE BUSINESS FORECAST REPORT.
   Subjects: ECONOMIC activity; BALANCE of payments; MONETARY policy; PHARMACEUTICAL industry; TELECOMMUNICATION; AUTOMOBILE industry; Automobile Manufacturing; New and used automobile and light-duty truck merchant wholesalers; Motor Vehicle Body Manufacturing; New Car Dealers; Automobile and light-duty motor vehicle manufacturing; Automotive and Other Motor Vehicle Merchant Wholesalers; Drugs and Druggists’ Sundries Merchant Wholesalers; Pharmaceuticals and pharmacy supplies merchant wholesalers; Pharmaceutical Preparation Manufacturing; Pharmaceutical and medicine manufacturing; All Other Telecommunications; Communication Equipment Repair and Maintenance; Telecommunications Resellers; GREECE – Politics & government – 1974-; GREECE – Economic conditions – 1974-; GREECE.

   PDF Full Text (6.5MB)

3. Asia Monitor South Asia.
   Subjects: ECONOMIC history; EXCISE tax; AUTOMOBILE industry; DECLINING balance depreciation; REMITTANCES; ASIA; NEWS briefs; INDIA.

   Report
   PDF Full Text (1.7MB)

4. Indian Automobiles Industry – Update.
Sources of industry information

- Databases
  - Passport GMID (primarily for FMCG and consumer information)
  - MarketLine Advantage
  - OneSource
  - EMIS
  - Capital IQ (for industry ratios)
  - Bloomberg
  - Eikon
  - Factiva
  - Etc
Sources of industry information

• Industry Classifications:
  – Database-specific
  – “Standard”
    • NAICS: North American Industry Classification System
    • SIC: Standard Industrial Classification (superceded by NAICS)
    • GICS: Global Industry Classification Standard (S&P)
    • ICB: Industry Classification Standard (FTSE)
    • SSIC 2010: Singapore Standard Industrial Classification
Sources of industry information

- Passport GMID (http://catalogue.library.smu.edu.sg/record=e1000047~S1)
Sources of industry information

- MarketLine Advantage
  (http://catalogue.library.smu.edu.sg/record=e1000074~S1)
Sources of industry information

- OneSource

OneSource Industry

The OneSource Industry Classification System is used to organize companies by economic activity. Browse or search through the OneSource Classification System to find target industries.

Airlines

Companies engaged in providing scheduled and nonscheduled passenger and freight services.

Industry Activities

- Air cargo carriers (except air couriers), nonscheduled
- Air cargo carriers (except air couriers), scheduled
- Air commuter carriers, scheduled
- Air passenger carriers, nonscheduled
- Air passenger carriers, scheduled
- Air taxi services
- Aircraft charter services (i.e., general purpose aircraft utilization and flying services)
Sources of industry information

- Capital IQ
Sources of industry information

- Capital IQ

**Key Stats & Ratios**

<table>
<thead>
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<td><strong>Trading Multiples</strong></td>
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<tr>
<td>TEV/Total Revenue</td>
<td>1.0x</td>
<td>1,553</td>
<td>1.0x</td>
<td>1,658</td>
<td>1.0x</td>
<td>1,644</td>
<td>1.1x</td>
<td>765</td>
<td>1.0x 1,777</td>
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<td>TEV/EBITDA</td>
<td>5.7x</td>
<td>1,124</td>
<td>5.6x</td>
<td>1,175</td>
<td>6.1x</td>
<td>1,220</td>
<td>6.3x</td>
<td>670</td>
<td>6.0x 1,307</td>
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<tr>
<td>TEV/EBIT</td>
<td>7.8x</td>
<td>981</td>
<td>8.2x</td>
<td>1,003</td>
<td>9.4x</td>
<td>1,003</td>
<td>10.4x</td>
<td>597</td>
<td>9.9x 1,102</td>
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<td>P/E</td>
<td>10.3x</td>
<td>933</td>
<td>10.8x</td>
<td>932</td>
<td>11.6x</td>
<td>949</td>
<td>14.7x</td>
<td>521</td>
<td>12.8x 992</td>
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<tr>
<td>P/BV</td>
<td>1.7x</td>
<td>1,794</td>
<td>1.4x</td>
<td>1,900</td>
<td>1.4x</td>
<td>1,881</td>
<td>1.5x</td>
<td>762</td>
<td>1.3x 1,981</td>
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<tr>
<td>P/TangBV</td>
<td>1.9x</td>
<td>1,742</td>
<td>1.6x</td>
<td>1,839</td>
<td>1.6x</td>
<td>1,818</td>
<td>1.7x</td>
<td>737</td>
<td>1.4x 1,916</td>
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<td><strong>Profitability</strong></td>
<td></td>
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<tr>
<td>Return on Assets %</td>
<td>6.5%</td>
<td>2,194</td>
<td>5.6%</td>
<td>2,312</td>
<td>4.7%</td>
<td>2,294</td>
<td>4.1%</td>
<td>831</td>
<td>4.1% 2,385</td>
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<tr>
<td>Return on Capital %</td>
<td>9.1%</td>
<td>2,227</td>
<td>7.8%</td>
<td>2,354</td>
<td>6.4%</td>
<td>2,333</td>
<td>5.7%</td>
<td>848</td>
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<td>Return on Equity %</td>
<td>14.3%</td>
<td>2,231</td>
<td>11.3%</td>
<td>2,359</td>
<td>9.6%</td>
<td>2,337</td>
<td>6.7%</td>
<td>849</td>
<td>7.1% 2,432</td>
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<td><strong>Margin Analysis</strong></td>
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<tr>
<td>Gross Margin %</td>
<td>20.9%</td>
<td>1,894</td>
<td>18.3%</td>
<td>1,969</td>
<td>19.0%</td>
<td>1,940</td>
<td>24.8%</td>
<td>810</td>
<td>18.1% 2,052</td>
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<tr>
<td>SG&amp;A Margin %</td>
<td>5.4%</td>
<td>1,860</td>
<td>5.0%</td>
<td>1,930</td>
<td>5.4%</td>
<td>1,906</td>
<td>6.7%</td>
<td>747</td>
<td>5.4% 1,979</td>
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<td>EBITDA Margin %</td>
<td>17.5%</td>
<td>1,799</td>
<td>14.9%</td>
<td>1,892</td>
<td>14.7%</td>
<td>1,870</td>
<td>16.6%</td>
<td>789</td>
<td>12.4% 1,963</td>
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<tr>
<td>EBITA Margin %</td>
<td>12.8%</td>
<td>1,892</td>
<td>10.6%</td>
<td>1,967</td>
<td>10.3%</td>
<td>1,938</td>
<td>11.2%</td>
<td>810</td>
<td>8.0% 2,050</td>
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<tr>
<td>EBIT Margin %</td>
<td>12.8%</td>
<td>1,892</td>
<td>10.6%</td>
<td>1,967</td>
<td>10.3%</td>
<td>1,938</td>
<td>11.2%</td>
<td>810</td>
<td>8.0% 2,050</td>
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<tr>
<td>Earnings from Cont. Ops Margin %</td>
<td>10.0%</td>
<td>1,895</td>
<td>7.0%</td>
<td>1,969</td>
<td>6.4%</td>
<td>1,941</td>
<td>6.4%</td>
<td>810</td>
<td>4.6% 2,053</td>
</tr>
</tbody>
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Sources of industry information

• Who is likely to collect this information? Who does the information matter to? e.g. http://www.ala.org/research/librarystats

• Other sources: government agencies?
FINANCE/MARKET INFORMATION
Finance/Market information

• Quantitative
  – Historical performance (stocks, bonds, commodities, derivatives, funds etc)
  – Forecasts (earnings, prices, etc)

• Qualitative
  – News & analysis
Sources of market information

- Exchange websites

Effective 14 April 2014, SGX has standardised how shares of listed companies are identified on their trading counters and on investors’ Central Depository (CDP) statements, so that investors will find it easier to recognise the names of the companies they are invested in. This initiative only affects ordinary shares. Both the company’s stock code and legal name will not be changed. Please click here to view a glossary of the old and new company names as well as a list of FAQ for this initiative.

For a list of companies with a secondary listing on SGX, please click here.
Sources of market information

• News
  – FT.com (http://catalogue.library.smu.edu.sg/record=e1000224~S1)
  – Business Times
    (http://catalogue.library.smu.edu.sg/record=e1000284~S1)
Sources of market information

- Free online sources
  - Yahoo/Google Finance
  - Twitter
    - @FinancialTimes
    - @WSJ
    - @BloombergNews
    - @TheEconomist
    - @HarvardBiz
    - @YahooFinance
Sources of market information

• Databases
  – Bloomberg
  – Datastream
  – Eikon
Sources of market information

• Bloomberg
Sources of market information

- Datastream

All Category Options

- Bond Indices (77,655)
- Bonds & Convertibles (1,262,667)
- Commodities (128,866)
- Constituent Lists (321,914)
- Credit Default Swaps (82,257)
- Economics (5,995,392)
- Equities (242,006)
- Equity Indices (341,115)
- Exchange Rates (10,294)
- Futures (273,893)
- Interest Rates (20,444)
- Investment Trusts (2,834)
- Options (10,636,585)
- Unit Trusts (430,504)
- User Created Indices (2)
- User Portfolios & Lists (278)
- Warrants (2,412,837)
Sources of market information

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<tr>
<th>Category</th>
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<td>Exchange</td>
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<td>EUREX</td>
<td>58,988</td>
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<tr>
<td>New York Mercantile Exchange (NYSE)</td>
<td>30,755</td>
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<tr>
<td>NYSE Euronext Liffe</td>
<td>26,302</td>
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<table>
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<th>Currency</th>
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<td>United States Dollar</td>
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<tr>
<td>Euro</td>
<td>77,239</td>
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<tr>
<td>Indian Rupee</td>
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<th>Type</th>
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<td>Commodity</td>
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<td>Interest Rate</td>
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<td>Swap</td>
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<td>Bond</td>
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<td>EUREX-ETFS CRUDE OIL CONTINUOUS</td>
<td>DFCCS00</td>
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<td>EUREX</td>
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<td>DBMCS00</td>
<td>6Y</td>
<td>EUREX</td>
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<td>LIFFE-RWE AG CONTINUOUS</td>
<td>LRWCS00</td>
<td>11Y</td>
<td>NYSE Euronext Lifte</td>
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<td>BDP-BANCO ES. SANTO (CASH) CONT.</td>
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<td>New York Stock Exchange (NYSE) Euronext</td>
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<td>EUREX-APPLE CONTINUOUS</td>
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<td>EUREX-ELDORADO GOLD CORP. CONT.</td>
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<td>3Y</td>
<td>EUREX</td>
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<td>LIFFE-ENEL SPA CONTINUOUS</td>
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<td>LIFFE-ROYAL DUTCH SHELL A CONT.</td>
<td>LRDCS00</td>
<td>14Y</td>
<td>NYSE Euronext Lifte</td>
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</table>

Hover over rows above to preview details - click on rows to pin and chart

**EUREX-ETFS Crude Oil Continuous**

Mnemonic: DFCCS00
Underlying Series: CRUD

Latest Value: 12.54
Timespan: 4/18/2012 - 3/11/2015, Daily
Headline Coverage: PS VM OI PO PH PL (from Jul 2011) More...
Sources of market information

• Eikon
Sources of market information

• Online sources
  – Current information
  – Ease and convenience of access

• Business/Finance databases
  – Cover most markets
  – Niche databases cover specific areas (hedge funds, Chinese markets, private equity, deals)
  – More historical information is available and easily retrievable/exportable
Statistics

• Government sources
• Regional sources
• International sources
Statistics

• Government sources
  – Central banks/Monetary authority (MAS)
  – Ministries/Treasury (MOF)
  – Sovereign wealth fund (GIC)
  – Aggregated (SingStat)
Statistics

• Regional sources, e.g.
  – Asian Development Bank
    (http://www.adb.org/data/statistics)
  – ASEAN: ASEANstats
    (http://www.asean.org/resources/category/asean-statistics)
  – ECB: Statistical Data Warehouse
    (http://sdw.ecb.europa.eu/)
Statistics

• International sources, e.g.
  – IMF (International Monetary Fund): IMF elibrary data (http://elibrary-data.imf.org/DataExplorer.aspx)
  – OECD (Organisation for Economic Co-operation and Development) (http://catalogue.library.smu.edu.sg/record=e1000105~S1)
  – UN, World Bank
Need more help?

- **Research Guides**
  
  (http://researchguides.smu.edu.sg)
  
  - Business Research Navigator
  - How do I use...
    - Bloomberg
    - Capital IQ
    - Datastream
    - Eikon
    - ...

Our Passion, Our Commitment, Your Advantage
Need more help?

- Email: libresearch@smu.edu.sg
- Walk-in: the Desk at Library Level 2, 12 – 6 pm
- Schedule a consultation with a research librarian