Singapore: Gearing Up for the Future

Submitted by: Singapore
SINGAPORE: Gearing up for the Future

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Singapore Economic Development Board

Snapshot of Singapore Economy

2008 GDP:
S$257 billion (€126 billion)

2008 Manufacturing Output:
S$250 billion (€122 billion)

2008 GDP growth: 1.1%
2009 GDP growth forecast: -4% to -6%

Source: Singapore Dept of Statistics 2009
World’s Best Logistics Hub by World Bank

The Straits Times, Wednesday, 7 November 2007

Singapore ranked No. 1 logistics hub by World Bank

Top 12 airports in terms of total cargo handled (source: Airports Council Int’l)

<table>
<thead>
<tr>
<th>Rank</th>
<th>City (Airport)</th>
<th>Cargo Volume (million tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Memphis, TN (MEM)</td>
<td>3,840.85</td>
</tr>
<tr>
<td>2</td>
<td>Hong Kong, China (HKG)</td>
<td>3,773.00</td>
</tr>
<tr>
<td>3</td>
<td>Anchorage, AK (ANC)</td>
<td>2,825.57</td>
</tr>
<tr>
<td>4</td>
<td>Shanghai, CN (PVG)</td>
<td>2,559.44</td>
</tr>
<tr>
<td>5</td>
<td>Seoul, KR (ICN) / Incheon (ICN)</td>
<td>2,555.56</td>
</tr>
<tr>
<td>6</td>
<td>Paris, FR (CDG)</td>
<td>2,297.20</td>
</tr>
<tr>
<td>7</td>
<td>Tokyo, JP (NRT)</td>
<td>2,194.42</td>
</tr>
<tr>
<td>8</td>
<td>Frankfurt, DE (FRA)</td>
<td>2,078.94</td>
</tr>
<tr>
<td>9</td>
<td>Louisville, KY (SDF)</td>
<td>1,884.31</td>
</tr>
<tr>
<td>10</td>
<td>Miami, FL (MIA)</td>
<td>1,822.35</td>
</tr>
<tr>
<td>11</td>
<td>Singapore, SG (SIN)</td>
<td>1,787.35</td>
</tr>
<tr>
<td>12</td>
<td>Los Angeles, CA (LAX)</td>
<td>1,884.31</td>
</tr>
</tbody>
</table>

#1 Seaport in terms of container port traffic

<table>
<thead>
<tr>
<th>Rank</th>
<th>City (Seaport)</th>
<th>Throughput (million TEUs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Singapore (SIN)</td>
<td>29.9</td>
</tr>
<tr>
<td>2</td>
<td>Shanghai (PRC)</td>
<td>28.0</td>
</tr>
<tr>
<td>3</td>
<td>Hong Kong (HKG)</td>
<td>24.3</td>
</tr>
<tr>
<td>4</td>
<td>Shenzhen (PRC)</td>
<td>21.4</td>
</tr>
<tr>
<td>5</td>
<td>Busan (Republic of Korea)</td>
<td>13.4</td>
</tr>
<tr>
<td>6</td>
<td>Dubai (UAE)</td>
<td>12.0</td>
</tr>
<tr>
<td>7</td>
<td>Shantou (PRC)</td>
<td>11.1</td>
</tr>
<tr>
<td>8</td>
<td>Nantong (PRC)</td>
<td>11.0</td>
</tr>
<tr>
<td>9</td>
<td>Rotterdam (NL)</td>
<td>10.8</td>
</tr>
<tr>
<td>10</td>
<td>Tianjin (PRC)</td>
<td>10.3</td>
</tr>
</tbody>
</table>

Efficient Customs

Electronic Permit Applications
- 90% processed within 10 minutes

Physical Cargo Clearance
- 90% cleared within 8 minutes
- 100% cleared within 13 minutes

Special Schemes
- Zero GST Scheme
- Container Freight Warehouse Scheme
- Major Exporter Scheme
- Approved 3PL Scheme
World Class Logistics Players

Excellent Air and Sea Connectivity

AIR: 1.86 mil tons handled in 2008 • 83 Airlines • 190 cities

Europe
4 daily sailings
423 weekly flights

Middle East
167 weekly flights

S. Asia
6 daily sailings
419 weekly flights

S.E. Asia
64 daily sailings
1065 weekly flights

NE Asia
13 daily sailings
1117 weekly flights

N. America
2 daily sailings
256 weekly flights

SW Pacific
148 weekly flights

SEA: 29 mil TEUs handled in 2008 • 200 Shipping lines • 600 ports
Regional Distribution Centres

**Infocomms & Media**
- HP
- IBM
- Adaptec
- Avocent
- Verifone
- Kenwood
- Alcatel
- Avaya
- Stratus
- John Wiley
- Taylor & Francis

**FMCG/Consumer**
- Starbucks
- Estee Lauder
- LVMH
- Moet Hennesy
- Gillette
- Remy Cointreau
- L’Oreal
- Coles
- Myers
- Unilever
- DFS

**Transport Engrg**
- Daimler
- Toyota
- Volkswagen
- Rolls Royce
- Embraer
- Boeing
- Airbus
- R. Bosch
- Caterpillar
- Yamaha

**Electronics & Precision Engrg**
- Nat’l Semiconductors
- 3Com
- On Semiconductor
- Qualcomm
- Xilinx
- Texas Instruments
- NetApp
- Zebra
- Flextronics
- AMD
- SKF
- Tyco
- Variant
- Veeco
- Sandvik
- Numinyx

**Chemicals**
- Jotun
- Chugoku
- Rohm-Haas
- Clariant
- Ciba

**Biomedical**
- Roche Diagnostics
- Siemens Medical
- Schering-Plough
- J&J Medical
- VWR
- Abbott
- Philips Medical

**Singapore**
- Electronics & Pi iE
- Pi Info Engrg
- Nat’l Semiconductors
- 3 Com
- On Semicon
- Qualcomm
- Xilinx
- Texas Instruments
- NetApp
- Zebra
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- Veeco
- Sandvik
- Numinyx

**Regional Distribution Centres**
- Manufacturing Supply Chain Centres (MSCCs)

**MSCCs consist of:**
- **Supply chain control tower**
  - Regional sourcing & procurement
  - Network planning and optimization
  - Other SCM functions
- **Regional distribution centre**

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- Flextronics
- AMD
- SKF
- Tyco
- Variant
- Veeco
- Sandvik
- Numinyx

**Regional Logistics Hub**
- Distributes > 50 brands to markets in Asia-Pac, USA and Canada
- 130-150 man, 90,000 sq ft
- Asia Parts Distribution Centre
- Serves all of Asia Pac, Europe and Western US

**Regional Sourcing & Procurement**
- Global SCM/Procurement centre
- Singapore – proximity to Asia suppliers, Chinese Taipei and Korea
- Supply Chain Control Tower
- Global financial hub; 80-85% of global transactions
- Saves IBM tens of millions $/yr
Case Study: Airport Logistics Park of Singapore (ALPS)

**Competitive Advantages**
- Free Trade Zone
- Direct access to airfreight centre
- No customs clearance necessary
- Reduced double handling
- Reduced cycle time

**Case Study: Airport Logistics Park of Singapore (ALPS)**

**Future - Singapore - Logistics Industry**

**SCM Technology**
- Solve future problems in logistics and global supply chains

**Green Supply Chain / SCM**
- First in Asia to develop the knowledge base in green supply chains
  - Carbon footprint methodology
  - Develop alternative low emission transportation fleet

**Secured SCM**
- Develop trustworthiness & reliability as key differentiators (response to wildcards)

**Specialized Logistics**
- Develop specialized logistics capabilities
  - Entrench highly defined market segments
  - Cold Chain Logistics
  - Wine Logistics
  - Art Logistics
  - Project Logistics
  - Heavy Haulage Logistics
  - Clinical Trials Logistics
Thank you

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