Status of Surimi Industry in the Southeast Asia

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SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
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Status of Surimi Industry in the Southeast Asia

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I Introduction

Fish paste products have long been a part of traditional Asian cuisine, but surimi has become one of the most dynamic commodities in the Asian seafood industry because of recent innovations in production and utilization. Surimi is an intermediate product made from minced fish meat that has been washed, refined, and mixed with cryo-protectants. Although fish paste products have been hand-made for centuries, a process for frozen surimi, invented in 1960 provided the impetus for expanding the industry and surimi markets based on the vast walleye pollock, alaska pollock resources. The Asian surimi industry was under-going a period of rapid change as the Republic of Korea, Thailand, New Zealand, and the United States were increasingly challenging Japan's position as the world's leading surimi producer. The appreciation of the yen and the Japanese exclusion from U.S. and Soviet walleye or Alaska pollock resources, have caused Japanese production to decline from its 1984 peak of 418,000 MT to 310,000MT in 1989 and decreased to only 132,000MT in 1994. Meanwhile, the output of the other four major producing countries has increased from about 26,000MT to 260,000MT during the same period.

The Korean surimi industry shows the greatest potential for independent growth among the Asian surimi producers, with an output of 60,000MT in 1989. During this period, Thai industries also has showed considerable growth potential dependent upon the Japanese technical assistance. The success of the Thai surimi industry stimulated developments of surimi production in the Southeast Asian countries such as Malaysia, Myanmar, Vietnam, and Indonesia.

According to rapid growth of surimi industry in Southeast Asian countries, as well as depletion of fisheries resources especially demersal resources, reduction of raw materials may impact to the demand of surimi producers. Therefore under the Asian-SEAFDEC program SEAFDEC/TD proposed to conduct the information collection of economically important species as surimi raw materials in the Southeast Asian. The program was started from 2005 by collecting all information concerns in cooperation with the local fisheries agency and fishery private sectors. Field trip to observe and interview the surimi producers were also performed such as in Thailand, Indonesia, Vietnam and Myanmar. Information from Malaysia mostly based on the questionnaires in cooperation with DOF/Malaysia. In this study, the attempt is not only to show the quantity of surimi products in the region, but the linkage between surimi products and raw materials used in each country in comparison with the status of fisheries resources in the region will also analyzed.

II Current Status of Surimi Industry in the Southeast Asia

The surimi production in the Southeast Asian Countries namely Thailand, Malaysia, Vietnam, Myanmar and Indonesia is primarily based on the demersal species such as Threadfin bream (Nemipterus spp), Big eye (Priacanthus spp) and Lizardfish (Saurida spp), because they are the most abundant raw materials found in the region and because they also exhibits the proper characteristics for processing export-quality surimi. Only in Malaysia, Barracuda seem to be one of the main raw materials.
Overall surimi products in the Southeast Asian Region in 2005 are estimated 347,000MT. **Figure A1** shows the percentage of surimi products in Southeast Asian Countries in 2005. It is found that largest surimi producers in Thailand and follow with Malaysia and Vietnam where as the amount of surimi products are 150,000MT, 100,000MT and 84,000MT, respectively.

**Figure A1**: Percentage of surimi products in the Southeast Asian countries in 2005.

1) **THAILAND:**

- **General Information**

  Thailand started surimi production in 1978 and has increased its production to 65,000 tonnes in 1994 and to also 150,000 tonnes in 2005. Currently there are 21 surimi processing plants in Thailand which operate occasionally throughout the year. Main raw material species used in the processing plants are based on the Threadfin bream (*Nemipterus* spp), Big eye (*Priacanthus* spp), lizardfish (*Saurida* spp), Croaker, Goatfish (*Upeneus* spp), Big eye snapper (*Lutjanus* spp), etc. There are also some small pelagic species such as Sardine (*Sardinella* spp) and Rainbow runner (*Elagatis bipinnulata*) used as raw materials. **Table 1** show the list of surimi processing plants located in Thailand and their capacity in 2005. **Figure 1.1** shows the distribution of surimi processing plants in Thailand. Six plants show high production capacity from 12,000 – 22,000 MT/year, while most of the plants produce surimi between 3,000-9,500 MT/year.

**Table 1**: List of surimi processing plants and its capacity

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Location</th>
<th>Capacity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>B. S. Manufacturing Co., Ltd.</td>
<td>Samut Prakan</td>
<td>3,000</td>
</tr>
<tr>
<td>2.</td>
<td>Premier Frozen Product Co., Ltd.</td>
<td>Samut Prakan</td>
<td>4,600</td>
</tr>
<tr>
<td>3.</td>
<td>Andaman Surimi Industries Co., Ltd.</td>
<td>Samutsakhon</td>
<td>16,500</td>
</tr>
<tr>
<td>4.</td>
<td>Anusorn Mahachai Surimi Co., Ltd.</td>
<td>Samutsakhon</td>
<td>7,500</td>
</tr>
<tr>
<td>5.</td>
<td>Apitoon Enterprise Industry Co., Ltd.</td>
<td>Samutsakhon</td>
<td>12,000</td>
</tr>
<tr>
<td>6.</td>
<td>K.L. Cold storage Co., Ltd.</td>
<td>Samutsakhon</td>
<td>3,000</td>
</tr>
<tr>
<td>7.</td>
<td>Lucky Food (Thai) Co., Ltd.</td>
<td>Samutsakhon</td>
<td>3,000</td>
</tr>
<tr>
<td>8.</td>
<td>Lucky Surimi Products Co., Ltd.</td>
<td>Samutsakhon</td>
<td>9,500</td>
</tr>
<tr>
<td>9.</td>
<td>Pacific Marine Food Product Co., Ltd.</td>
<td>Samutsakhon</td>
<td>15,000</td>
</tr>
<tr>
<td>10.</td>
<td>Sea Royal Marine Food Product Co., Ltd.</td>
<td>Samutsakhon</td>
<td>22,000</td>
</tr>
<tr>
<td>11.</td>
<td>Starfish Co., Ltd.</td>
<td>Samutsakhon</td>
<td>17,000</td>
</tr>
</tbody>
</table>
12. China Siam Seafoods Co., Ltd. | Suratthani | 2,400
13. Siamchai International Food Co., Ltd. [SIFCO] | Ranong | 1,500
14. Kantang Seafood Co., Ltd. | Trang | 8,000
15. Trang Sure Co., Ltd. | Trang | 9,500
16. Thavelarp Fisheries Ltd. Part | Trang | 1,100
17. Hai Tai Seafood Co., Ltd. | Songkhla | 3,200
18. Man A Frozen Food Co., Ltd. | Songkhla | 4,500
19. Pacific Fish Processing Co., Ltd. | Songkhla | 20,000
20. Buyong General Co., Ltd. | Songkhla | 2,400

Figure 1.1: Map located the surimi processing plants in Thailand.
In late 1970s, the fish species used as raw materials in surimi industry, especially the Threadfin bream, Big eye were found abundant in Thai waters namely Gulf of Thailand and Andaman Sea. According to the Thai Government, in 1963 fishing effort for Threadfin bream yielded 276 kg/hour. In 1988, only 80 kg/hour and only 20kg/hour were caught in 2000. However due to rapid growth of surimi industry in Thailand as well as the depletion of demersal fisheries resources, therefore sources of fish are expanding to the neighbor countries such as Myanmar, Indonesia and Malaysia. Table 2 shows the list of fish species used in surimi industry in Thailand.

Table 2: List of raw materials used for surimi products

<table>
<thead>
<tr>
<th>No.</th>
<th>English name</th>
<th>Trade name</th>
<th>Scientific name</th>
<th>Local name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Threadfin bream</td>
<td>Itoyori</td>
<td>Nemipterus spp.</td>
<td>ปลาทรายแดง</td>
</tr>
<tr>
<td></td>
<td>Five lined threadfin bream</td>
<td></td>
<td>N. tambuloides</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rosy threadfin bream</td>
<td></td>
<td>N. peronii</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Redspine threadfin bream</td>
<td></td>
<td>N. nemurus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Japanese threadfin bream</td>
<td></td>
<td>N. japonicus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Doublewhip threadfin bream</td>
<td></td>
<td>N. metatoporus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slender threadfin bream</td>
<td></td>
<td>N. zysron</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Lizard fish</td>
<td>Eso</td>
<td>Saurida spp.</td>
<td>ปลาปากคม ไล้กอ</td>
</tr>
<tr>
<td></td>
<td>Shortfin lizardfish</td>
<td></td>
<td>S. micropectoralis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brushtoothed lizardfish</td>
<td></td>
<td>S. undosquamis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Waniesto lizardfish</td>
<td></td>
<td>S. waniesto</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Big eye</td>
<td>Kintoki-dai</td>
<td>Priacanthus spp.</td>
<td>ปลาตาหวาน ตาโต</td>
</tr>
<tr>
<td></td>
<td>Purple-spotted big eye</td>
<td></td>
<td>P. tayenus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Red big eye</td>
<td></td>
<td>P. macracanthus</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Croaker, Big eye croaker,</td>
<td>Guchi</td>
<td>Pennahia spp.</td>
<td>ปลาจวด</td>
</tr>
<tr>
<td></td>
<td>White croaker</td>
<td></td>
<td>Johniuss spp.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Big head pennah croaker</td>
<td></td>
<td>P. macrocephalus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sharpnose hammer croaker</td>
<td></td>
<td>J. borneensis</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>[Johniops vogleri]</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Goatfish</td>
<td>Himeji</td>
<td>Upeneus spp.</td>
<td>ปลาgba ปลาหนวด</td>
</tr>
<tr>
<td></td>
<td>Goldband goatfish</td>
<td></td>
<td>U. moluccensis</td>
<td>ปลาครีส</td>
</tr>
<tr>
<td>6.</td>
<td>Pike conger</td>
<td>Hamo</td>
<td>Muraenesox spp.</td>
<td>ปลาไหลทะเล ปลา</td>
</tr>
<tr>
<td>7.</td>
<td>Pony Fish, Slipmouth</td>
<td>Shirosaki</td>
<td>Leiognathus spp.</td>
<td>ปลาตาปีน</td>
</tr>
<tr>
<td></td>
<td>Orangefin ponyfish</td>
<td></td>
<td>L. bindus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Striped ponyfish</td>
<td></td>
<td>L. fasciatus</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Sardine</td>
<td>Mamakari</td>
<td>Sardinella spp.</td>
<td>ปลาหลังเขียว</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gerres spp.</td>
<td>ปลาหลังเขียว</td>
</tr>
<tr>
<td>9.</td>
<td>Silver biddy</td>
<td>Duwo</td>
<td>Scolopsis spp.</td>
<td>ปลาหลังเขียว</td>
</tr>
<tr>
<td>10.</td>
<td>Monocole bream</td>
<td>Duwo</td>
<td>Scolopsis spp.</td>
<td>ปลาหลังเขียว</td>
</tr>
<tr>
<td>11.</td>
<td>Snapper</td>
<td>Fuedai</td>
<td>Lutjanus sp.</td>
<td>ปลาตะกั่วปลากระโดง</td>
</tr>
<tr>
<td></td>
<td>Bigeeye snapper</td>
<td></td>
<td>Lutjanus lineolatus</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elagatis bipinnulata</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Pentapodus setosus</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Rainbow runner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Butterfly whiptail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[Nemipteridae]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Barracuda</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The quantity of fish species raw materials supplied to the surimi industry in Thailand was 530,000 MT/year in 2005. Table 3 shows the four main species namely Threadfin bream (*Nemipterus* spp), lizardfish (*Saurida* spp), Big eye (*Priacanthus* spp), and Croaker are common species used in the Thai surimi industry. Mostly 189,000 MT of Threadfin bream and 190,000 MT of Lizard fish and Croaker were used in surimi products.

**Table 3: Total quantity of raw materials used for surimi products in Thailand**

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Quantity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Threadfin bream [Itoyori]</td>
<td>188,459.9</td>
</tr>
<tr>
<td>2.</td>
<td>Lizard fish [Eso]</td>
<td>95,075.2</td>
</tr>
<tr>
<td>3.</td>
<td>Big eye [Kintokidai]</td>
<td>79,820.6</td>
</tr>
<tr>
<td>4.</td>
<td>Croaker [Guchi]</td>
<td>90,319.4</td>
</tr>
<tr>
<td>5.</td>
<td>Goat fish [Himeji]</td>
<td>38,505.3</td>
</tr>
<tr>
<td>6.</td>
<td>Pike conger [Hamo]</td>
<td>3,600.0</td>
</tr>
<tr>
<td>7.</td>
<td>Pony fish [Shirosaki]</td>
<td>9,984.0</td>
</tr>
<tr>
<td>8.</td>
<td>Sardine [Mamakari]</td>
<td>5,760.0</td>
</tr>
<tr>
<td>9.</td>
<td>Silver biddy</td>
<td>1,200.0</td>
</tr>
<tr>
<td>10.</td>
<td>Monocole bream [Duwo]</td>
<td>350.0</td>
</tr>
<tr>
<td>11.</td>
<td>Snapper [Fuedai]</td>
<td>8,200.0</td>
</tr>
<tr>
<td>12.</td>
<td>Others</td>
<td>329.0</td>
</tr>
<tr>
<td>13.</td>
<td>Not identified</td>
<td>8,500.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>530,103.4</td>
</tr>
</tbody>
</table>

**Surimi Production and Export**

The surimi production based on data collection from processing plants during 2002-5 shows that, the production increased from its 2002 of 119,000 MT to about 143,000 MT in 2005. This information collected from 18 plants is appeared in the Table 4. About 70% of the total frozen surimi productions were exported to Japan, Singapore, Taiwan, Korea, Malaysia, Hong Kong, Europe, China, Canada and USA in 2005. And another 30% was used in the Surimi-base production in the country. Table 5 shows the trend of export of the frozen surimi production during 2002 to 2005.

**Table 4: Surimi products from each processing plants during 2002-2005 in Thailand**

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Surimi production quantity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2002</td>
</tr>
<tr>
<td>1.</td>
<td>B. S. Manufacturing Co., Ltd.</td>
<td>3,700.0</td>
</tr>
<tr>
<td>2.</td>
<td>Premier Frozen Product Co., Ltd.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Andaman Surimi Industries Co., Ltd.</td>
<td>12,000.0</td>
</tr>
<tr>
<td>4.</td>
<td>Anusorn Mahachai Surimi Co., Ltd.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Apitoon Enterprise Industry Co., Ltd</td>
<td>26,000.0</td>
</tr>
<tr>
<td>6.</td>
<td>Lucky Food (Thai) Co., Ltd.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Lucky Surimi Products Co., Ltd.</td>
<td>6,448.0</td>
</tr>
<tr>
<td>8.</td>
<td>Pacific Marine Food Product Co., Ltd.</td>
<td>19,000.0</td>
</tr>
<tr>
<td>9.</td>
<td>Sea Royal Marine Food Product Co., Ltd.</td>
<td>21,480.0</td>
</tr>
<tr>
<td>10.</td>
<td>Starfish Co., Ltd.</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Kantang Seafood Co., Ltd.</td>
<td>8,000.0</td>
</tr>
<tr>
<td>12.</td>
<td>Trang Sure Co., Ltd.</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Thaveelarp Fisheries Ltd. Part</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Hai Tai Seafood Co., Ltd.</td>
<td>3,454.3</td>
</tr>
</tbody>
</table>
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Table 5: List of export data during 2002-2005 in Thailand

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Export surimi quantity (MT/year)</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>B. S. Manufacturing Co., Ltd.</td>
<td></td>
<td>1,500.0</td>
<td>1,200.0</td>
<td>1,000.0</td>
<td>1,000.0</td>
</tr>
<tr>
<td>2.</td>
<td>Premier Frozen Product Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>3,047.6</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Andaman Surimi Industries Co., Ltd.</td>
<td></td>
<td>9,000.0</td>
<td>9,000.0</td>
<td>10,000.0</td>
<td>12,000.0</td>
</tr>
<tr>
<td>4.</td>
<td>Anusorn Mahachai Surimi Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>300.0</td>
<td>5,450.0</td>
</tr>
<tr>
<td>5.</td>
<td>Apitooon Enterprise Industry Co., Ltd.</td>
<td></td>
<td>17,000.0</td>
<td>18,900.0</td>
<td>11,100.0</td>
<td>6,800.0</td>
</tr>
<tr>
<td>6.</td>
<td>Lucky Food (Thai) Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,440.0</td>
</tr>
<tr>
<td>7.</td>
<td>Lucky Surimi Products Co., Ltd.</td>
<td></td>
<td>5,000.0</td>
<td>6,000.0</td>
<td>6,000.0</td>
<td>8,500.0</td>
</tr>
<tr>
<td>8.</td>
<td>Sea Royal Marine Food Product Co, Ltd.</td>
<td></td>
<td>19,838.0</td>
<td>20,284.0</td>
<td>15,813.0</td>
<td>16,843.0</td>
</tr>
<tr>
<td>9.</td>
<td>Starfish Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>17,000.0</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Kantang Seafood Co., Ltd.</td>
<td></td>
<td>7,700.0</td>
<td>5,900.0</td>
<td>4,700.0</td>
<td>4,800.0</td>
</tr>
<tr>
<td>11.</td>
<td>Trang Sure Co., Ltd.</td>
<td></td>
<td></td>
<td>8,682.0</td>
<td>7,896.0</td>
<td>6,188.0</td>
</tr>
<tr>
<td>12.</td>
<td>Thaveelarp Fisheries Ltd. Part</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,077.0</td>
</tr>
<tr>
<td>13.</td>
<td>Hai Tai Seafood Co., Ltd.</td>
<td></td>
<td>3,346.6</td>
<td>2,615.0</td>
<td>1,508.5</td>
<td>2,200.7</td>
</tr>
<tr>
<td>14.</td>
<td>Man A Frozen Food Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>3,895.0</td>
<td>3,970.0</td>
</tr>
<tr>
<td>15.</td>
<td>Pacific Fish Processing Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>6,300</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>Buyong General Co., Ltd.</td>
<td></td>
<td></td>
<td></td>
<td>936.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>63,384.6</strong></td>
<td><strong>72,581.0</strong></td>
<td><strong>62,212.5</strong></td>
<td><strong>99,369.7</strong></td>
</tr>
</tbody>
</table>

Sources of Raw Materials: from the Southeast Asia Countries, (see Figure 1.2)

Figure 1.2: Sources of raw materials from Southeast Asia countries to Surimi industry in Thailand.
Constraints/Issues

- Un-stable and un-predictable of raw material supply cause a shortage of raw material especially in summer. Almost of raw material were imported from Indonesia (the company planning to move to Indonesia but face problem with the location still lack of basic requirement for establish factory such as electricity and water supply and also safety matter).
- The increasing of production cost which came from price increasing of; Raw material (fish and other ingredient such as sugar, surbital, polyphosphate, and etc.), Fuel, Electricity, Water supply, Labor cost, Transportation, Equipment and Minimum wages.
- Raw material quality unstable cause by improper handle from supplier [onboard and supplier station]
- Hygienic of fishing port
- Too many surimi producer companies (this situation had been happen before, seen as a cycle and finally only company that have enough financial support can survive)
- High competition from low price surimi producer country such as India, Vietnam and Malaysia (From Mr. Witit opinion, the boom of surimi industry in India will be finish soon because of the un-continuous of raw material supply)
- Raw material price is high but surimi price is low so cannot competition with other surimi producer country
- No cooperation among surimi producers to standardize price, price was control by buyers (Almost importer)
- Shortage and high cost of labor
- Limitation of cold storage
- Unstable of product order
- The product quality control is stricter due to an agreement of GMP, HACCP, EU and ISO
- Shortage of water supply in some provinces especially in the Southern Part of Thailand (Trang province)
- Unstable of Thai vs USD currency

2) VIETNAM

General Information

Refer to National Fisheries Quality Assurance and Veterinary Directorate (NAFIQAVED) information shows that the Vietnamese frozen sirimi production from 17 processing plants in 2005 was about 83,495MT. The production was increased from 16,502MT in 2003 (VASEP, 2003) to 83,495MT in 2005. **Table 6** shows the List of medium and large processing plants producing the frozen surimi products in Vietnam. **Figure 2** shows the location of the processing plants in Vietnam. Almost half of all processing plants have capacity less than 2,000 MT/year. Seven processing plants have the production capacity between 2000-5000MT/year. The rest of five processing plants have the production capacity between 5,000-17,000 MT.

Raw material fish species used for surimi productions in Vietnam come from their EEZ waters especially in the Ton kin Gulf and the Southern part of Vietnam such as Cat Ba Island, Hai Phong and Bach Long Island, Hai Phong, Da Nang, Kian Giang, Kan Hoa, Ca Mau, Vung Tau, Kien Giang, Tien Giang and Binh Thuan. **Table 7** shows the list of fish species used in the processing plants for surimi production.

From the field survey to five processing plants which shared about 50% of the total frozen surimi production found that there are five main fish species namely King snapper (*Pritipomoides filamentosus*), Lizard fish, Big eye, White croaker and others. **Figure 3** shows the percentage of the main five species groups used for surimi product in the processing plants.
Table 6: List of surimi processing plants and its capacity

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Average production (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Viet Truong Co., Ltd.</td>
<td>3,000.0*</td>
</tr>
<tr>
<td>2.</td>
<td>Danifoods: D&amp;N Foods Processing Co., Ltd.</td>
<td>3,150.0*</td>
</tr>
<tr>
<td>3.</td>
<td>Tien Dat Seafood Processing Co., Ltd.</td>
<td>12,800.0</td>
</tr>
<tr>
<td>4.</td>
<td>Baseafod: Baria-Vungtau Seafood Processing and Import-Export Joint Stock Company</td>
<td>9,600.0*</td>
</tr>
<tr>
<td>5.</td>
<td>Condaco Seaproduits and Import Export Company (COIMEX)</td>
<td>16,800.0*</td>
</tr>
<tr>
<td>6.</td>
<td>Viet Nam Changhua Aquatic Foodstuff Co., Ltd.</td>
<td>5,250.0</td>
</tr>
<tr>
<td>7.</td>
<td>SEASAFCO</td>
<td>725.0</td>
</tr>
<tr>
<td>8.</td>
<td>Ha Long Fishery Discovery Company (Ha Long FIDICOM)</td>
<td>720.0</td>
</tr>
<tr>
<td>9.</td>
<td>Hai Long Co., Ltd.</td>
<td>3,900.0</td>
</tr>
<tr>
<td>10.</td>
<td>Thinh An Co., Ltd.</td>
<td>4,800.0</td>
</tr>
<tr>
<td>11.</td>
<td>Badavina Co., Ltd.</td>
<td>2,200.0</td>
</tr>
<tr>
<td>12.</td>
<td>MIHAFISH</td>
<td>1,500.0</td>
</tr>
<tr>
<td>13.</td>
<td>Camau Seaproduits Exploitation and Service Corporation (S.E.S)</td>
<td>3,500.0</td>
</tr>
<tr>
<td>14.</td>
<td>GEPIMEX 404 Company</td>
<td>3,500.0</td>
</tr>
<tr>
<td>15.</td>
<td>Phuong Dong Seafood Co., Ltd.</td>
<td>1,800.0</td>
</tr>
<tr>
<td>16.</td>
<td>An Khang Co., Ltd.</td>
<td>1,900.0</td>
</tr>
<tr>
<td>17.</td>
<td>Kien Giang Sea Product Import and Export Company (KISIMEX)</td>
<td>8,350.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>83,495.0</strong></td>
</tr>
</tbody>
</table>

Figure 2: Five surimi processing plants from the field survey.
Table 7: List of raw materials used for surimi products in Vietnam

<table>
<thead>
<tr>
<th>No.</th>
<th>English name</th>
<th>Trade name</th>
<th>Scientific name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Threadfin Bream</td>
<td>Itoyori</td>
<td><em>Nemipterus spp.</em></td>
</tr>
<tr>
<td></td>
<td><em>Japanese threadfin bream</em></td>
<td></td>
<td><em>N. japonicus</em></td>
</tr>
<tr>
<td></td>
<td><em>Golden threadfin bream</em></td>
<td></td>
<td><em>N. virgatus</em></td>
</tr>
<tr>
<td>2.</td>
<td>Lizard Fish</td>
<td>Eso</td>
<td><em>Saurida spp.</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>S. elongata, S. tumbil</em></td>
</tr>
<tr>
<td></td>
<td><em>Red Bigeye</em></td>
<td></td>
<td><em>P. macracanthus</em></td>
</tr>
<tr>
<td></td>
<td><em>Moontail Bigeye</em></td>
<td></td>
<td><em>P. hamrur</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>P. argentata</em></td>
</tr>
<tr>
<td>5.</td>
<td>Goatfish</td>
<td>Himeji</td>
<td><em>Upeneus spp.</em></td>
</tr>
<tr>
<td>6.</td>
<td>Pike conger</td>
<td>Hamo</td>
<td><em>Muraenesox spp.</em></td>
</tr>
<tr>
<td></td>
<td><em>Doggertooth pike conger</em></td>
<td></td>
<td><em>M. cinereus</em></td>
</tr>
<tr>
<td>8.</td>
<td>Sea Tilapia [Family Haemulidae]</td>
<td></td>
<td><em>Plectorhinchus lessonii</em></td>
</tr>
<tr>
<td>9.</td>
<td>Flathead bartail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Flying fish</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 3: Percentage of raw materials for Surimi Production based on 5 processing plants in total quantity of 115,035 MT.

Export information

Almost 90% of the total frozen surimi production was exported to many countries. The main importers are Korea and Japan which imported 69.5% and 28.2% of the total production, respectively. The others importer were Singapore, Thailand, Malaysia, China, Taiwan, USA, EU, Australia, New Zealand, Russia and Mexico.
**Constraints/Issues**

- Shortage of raw material supply because of
  - Supply not stable depend on weather
  - Too many surimi producer companies and all company use the same species as raw material
- Discontinuous supply of raw material
- Quality of raw material is not so good because of long distance of transportation and fish handling method onboard. Some company had negotiated with fishermen to preserve raw material. If good quality, fishermen can sell in higher price.
- A few customers because just start this business in May 2006

3) **MYANMAR**

Myanmar people have a long tradition of producing fish paste, fish sauce, dried fish, salted fish and pickled fish, fish crackers. Shrimp heads, very small fish and even mollusk shells are used for animal feed. The fish products from some areas have been studied but catch data do not cover the whole country. Better Utilization of bycatch depends mainly on technology progress and capital required for processing. In Myanmar there is one surimi plant in Yangon. It was established in 1994-95 to produce surimi from bycatch. Bycatch fish such as lizard fish, small barracuda, black spot threadfin, goat fish, small sea-bass, threadfin bream and big head pennah croaker are used. The fish is first manually headed and gutted and then passed through a meat-bone separator to remove the flesh meat.

At present there are five processing plants produce surimi production and one is under construction. Table 8 shows the list of processing plants which are located in only two main Division namely Yangon and Tanintharyi Divisions. The capacity of surimi production in Figure 4 shows the location of all surimi processing plants in Myanmar.

Table 8: List of surimi processing plants and its capacity in Myanmar

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Location</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pyilonechantha Trading Co., Ltd.</td>
<td>Industrial Zone (3), Shwe Pyi Tha Township, Yangon Division</td>
<td>7-8 MT/day [Max. 10 MT/day] 180-200 MT/month*</td>
</tr>
<tr>
<td>2.</td>
<td>A.S.K. Andaman Limited</td>
<td>Myeik Industries Zone, Myeik Township, Tanintharyi Division</td>
<td>5 MT/day [Max. 10 MT/day] 15-20 MT/day*</td>
</tr>
<tr>
<td>3.</td>
<td>Pyi Phyo Tun International Company Limited (PPT)</td>
<td>Strand Road, Thalaisu Quarter, Myeik Township, Tanintharyi Division</td>
<td>[Max. 20 MT/day]</td>
</tr>
<tr>
<td>4.</td>
<td>Min Zar Ni Co., Ltd.</td>
<td>Industrial Zone (1), Hlaing Thar Yar Township, Yangon Division</td>
<td>30 MT/month*</td>
</tr>
<tr>
<td>5.</td>
<td>Pearl Sea Co., Ltd.</td>
<td>Hlaing Thar Yar Industrial Zone (4), Yangon Division</td>
<td>80-85 MT/month*</td>
</tr>
<tr>
<td>6.</td>
<td>General light Co., Ltd.</td>
<td>Hlaing Township, Yangon Division</td>
<td>19 MT/month*</td>
</tr>
</tbody>
</table>
Figure 4: Location of surimi processing plants in Myanmar.

Fish species used in the surimi processing plants is shown in Table 9. All raw material fish species come from the Myanmar waters namely in Rakhine, Ayeyawaddy, Mon, and Tanintharyi Fishing ground. The quantity of raw materials used for surimi production from four processing plants as shown in Table 10 was about 11,500 MT/year. From this total amount, the Threadfin bream shared almost 50% of all raw material fish species (see Figure 5).

Table 9: List of raw materials used for surimi products in Myanmar

<table>
<thead>
<tr>
<th>No.</th>
<th>English name</th>
<th>Trade name</th>
<th>Scientific name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Threadfin bream</td>
<td>Itoyori</td>
<td>Nemipterus spp.</td>
</tr>
<tr>
<td>2</td>
<td>Lizard fish</td>
<td>Eso</td>
<td>Saurida spp.</td>
</tr>
<tr>
<td>3</td>
<td>Big eye</td>
<td>Kintoki-dai</td>
<td>Priacanthus spp.</td>
</tr>
<tr>
<td>4</td>
<td>Croaker, Big eye croaker, White croaker</td>
<td>Guchi</td>
<td>Pennahia spp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Johnius spp.</td>
</tr>
<tr>
<td>5</td>
<td>Goatfish</td>
<td>Himeji</td>
<td>Upenneus spp.</td>
</tr>
<tr>
<td>6</td>
<td>Barracuda, Japanese whiting</td>
<td>Kamasu</td>
<td>Sphyraena spp.</td>
</tr>
<tr>
<td>7</td>
<td>Big eye ilisha</td>
<td>Ilisha</td>
<td>Ilisha megaloptera</td>
</tr>
</tbody>
</table>

Table 10: Quantity of raw materials used in processing plants in 2005

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Quantity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pylonechantha Trading Co., Ltd.</td>
<td>5,687.8</td>
</tr>
<tr>
<td>2</td>
<td>A.S.K. Andaman Limited</td>
<td>4,368.0</td>
</tr>
<tr>
<td>3</td>
<td>Min Zar Ni Co., Ltd.</td>
<td>828.3</td>
</tr>
<tr>
<td>4</td>
<td>General light Co., Ltd.</td>
<td>570.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>11,454.1</td>
</tr>
</tbody>
</table>
In the year between 2004-2005 Myanmar exported a total of 4230MT to many countries, the main importer was Japan. 80% of total surimi production exported to Japan, while 18% to China and another 2% to Australia, Singapore, Taiwan, and Malaysia.

**Constraints/Issues**

- Raw material supply to industries

**4) INDONESIA**

**General Information**

Indonesia is the largest country in the Southeast Asian Region and also largest shelf area (to 200m) about 2,700,000 Sq. km and EEZ area 2.7 million Sq. km. Many fishery resources can be used as raw materials for surimi processing. At present there are only 8 processing plants and mainly located in Java mainland. **Table 11** shows list of processing plants and their production capacity in MT/year. **Figure 6** shows the location of surimi processing plants in Indonesia. In 2005 the total surimi production was estimated less than 8,000 MT.

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Location</th>
<th>Capacity (MT/Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>PT. Pulau Mas Moro Mulia</td>
<td>Kepulauan Riau</td>
<td>1,000</td>
</tr>
<tr>
<td>2.</td>
<td>PT. Sumber Laut Utama</td>
<td>Jambi</td>
<td>1,000</td>
</tr>
<tr>
<td>3.</td>
<td>PT. Muara Manggalindo</td>
<td>Jakarta</td>
<td>2,700</td>
</tr>
<tr>
<td>4.</td>
<td>PT. Nam Kyung Korea Indonesia</td>
<td>Tegal, Jawa Tengah</td>
<td>1,500</td>
</tr>
<tr>
<td>5.</td>
<td>PT. Blue Sea Industry [Since 2005]</td>
<td>Pekalongan, Jawa Tengah</td>
<td>4,000 [expected]</td>
</tr>
<tr>
<td>6.</td>
<td>PT. Sinar Bahari Agung</td>
<td>Kendal, Jawa Tengah</td>
<td>600</td>
</tr>
<tr>
<td>7.</td>
<td>PT. Maya Food Industries</td>
<td>Pekalongan, Jawa Tengah</td>
<td>50</td>
</tr>
<tr>
<td>8.</td>
<td>PT. Southern Marine Product</td>
<td>Probolinggo, Jawa Timur</td>
<td>2,400</td>
</tr>
</tbody>
</table>
Figure 6: Location of Surimi processing plants in Indonesia.

Raw materials such as Threadfin bream, Big eye, Croaker, Goat fish and others mostly come from Java sea, sea around Riau and Jambi province in western Kalimantan. **Table 12** shows the list of raw materials used in Indonesia processing plants. **Figure 7.1** shows the percentage of raw materials used in Indonesia.

**Table 12:** List of raw materials used for surimi products in Indonesia

<table>
<thead>
<tr>
<th>No.</th>
<th>English name</th>
<th>Trade name</th>
<th>Scientific name</th>
<th>Indonesian local name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Threadfin bream</td>
<td>Itoyori</td>
<td><em>Nemipterus</em> spp.</td>
<td>Kurisi</td>
</tr>
<tr>
<td>2.</td>
<td>Lizard fish</td>
<td>Eso</td>
<td><em>Saurida</em> spp.</td>
<td>Bluso, Ikan Pisang-pisang</td>
</tr>
<tr>
<td>3.</td>
<td>Big eye</td>
<td>Kintoki-dai</td>
<td><em>Priacanthus</em> spp.</td>
<td>Ikan Merah, Mata Goyang</td>
</tr>
<tr>
<td>4.</td>
<td>White croaker</td>
<td>Guchi</td>
<td></td>
<td>Ikan Gulamah, Tigawaja</td>
</tr>
<tr>
<td>5.</td>
<td>Goatfish</td>
<td>Himeji</td>
<td></td>
<td>Kuniran, Ikan Biji Nangka</td>
</tr>
<tr>
<td>6.</td>
<td>Shad</td>
<td></td>
<td></td>
<td>Ikan Beliak Mata</td>
</tr>
<tr>
<td>7.</td>
<td>Singapore silver biddy</td>
<td>Gerres kapas</td>
<td></td>
<td>Kapasan</td>
</tr>
<tr>
<td>8.</td>
<td>Glass fish</td>
<td>Kurosagi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Export Information

Quantity of frozen surimi production from 6 processing plants as appeared in Table 13 show that it was about 5,110 MT export to the Asian Countries such as Korea, Japan, Singapore, Taiwan and Hong Kong only.

Sources of Raw Materials: (see Figure 7.2)
Table 13: Export data during 2003-2005 in Indonesia

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Export surimi quantity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2003</td>
</tr>
<tr>
<td>1.</td>
<td>PT. Pulau Mas Moro Mulia</td>
<td>333.0</td>
</tr>
<tr>
<td>2.</td>
<td>PT. Sumber Laut Utama</td>
<td>970.8</td>
</tr>
<tr>
<td>3.</td>
<td>PT. Nam Kyung Korea Indonesia</td>
<td>468.0</td>
</tr>
<tr>
<td>4.</td>
<td>PT. Sinar Bahari Agung</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>PT. Maya Food Industries</td>
<td>nd</td>
</tr>
<tr>
<td>6.</td>
<td>PT. Southern Marine Product</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>1,303.8</td>
</tr>
</tbody>
</table>

- **Constraints/Issues**
  - Raw material decrease, Shortage of raw material
  - Freshness of raw material
  - Raw material depend on landing site
  - Raw material competition with the local market
  - Oil crisis, policy in 2006 difficult to support fisher
  - Long time of fishing operation 1 month/trip

5) MALAYSIA

- **General Information**

  Based on the Fishery agriculture Marketing Agency (FAMA), there are three types of producers of Surimi and Surimi-based products by State namely surimi, otsoshimi and surimi-based products. Only 6 were recorded as surimi producers. Table 14 shows four processing plants and their quantity products from 2001-2006. It is found that QL Foods Sdn. Bhd. is the largest surimi producers located in Perak State. The quantity of surimi products were averaged 82,000MT per year. While another processing plants were produced around 3,000-4,500MT/year only. Overall production of surimi products in 2005 was around 100,000MT for six main surimi processing plants.

Table 14: List of main surimi processing plants and their annual products during 2001 to 2006

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Surimi production quantity (MT/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2001</td>
</tr>
<tr>
<td>1.</td>
<td>QL Foods Sdn. Bhd.</td>
<td>84,000</td>
</tr>
<tr>
<td>2.</td>
<td>QL Marine Products Sdn. Bhd.</td>
<td>3,600</td>
</tr>
<tr>
<td>3.</td>
<td>Global Ocean Frozen Food Sdn. Bhd.</td>
<td>3,600</td>
</tr>
<tr>
<td>4.</td>
<td>Ocean Fresh Seafood Products Sdn. Bhd.</td>
<td>5,400</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>84,000</strong></td>
</tr>
</tbody>
</table>
Raw materials used in surimi products were shown in Table 15. It was almost 670,000 MT of raw materials supplied into surimi processing plants in Malaysia. Not only main species such as Threadfin bream, Lizard fish, Big eye, Croaker and Goat fish but the Barracuda is also the main species used in Malaysia. Figure 8 show the percentage of raw materials by species used in surimi processing plants in Malaysia. Most raw materials are from the EEZ of Malaysian waters such as in Malacca Strait, East coast of Peninsular Malaysia, Sarawak and Sabah waters.

➢ Export Information

Surimi products from Malaysia are used in local surimi-based products processing plants and also export to many countries. For export, main importers are USA and Chile shared about 65%, 16% and 10% to Japan and Singapore respectively.

Table 15: List of Raw materials used for surimi products in Malaysia

<table>
<thead>
<tr>
<th>No.</th>
<th>English name</th>
<th>Trade name</th>
<th>Scientific name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Threadfin bream</td>
<td>Itoyori</td>
<td>Nemipterus spp.</td>
</tr>
<tr>
<td>2.</td>
<td>Lizard fish</td>
<td>Eso</td>
<td>Saurida spp.</td>
</tr>
<tr>
<td>3.</td>
<td>Big eye, Ox-eye scad</td>
<td>Kintoki-dai</td>
<td>Priacanthus spp.</td>
</tr>
<tr>
<td>5.</td>
<td>Goatfish</td>
<td>Himeji</td>
<td>Parupeneus pleurospilus Upenneus spp.</td>
</tr>
<tr>
<td>7.</td>
<td>Ribbon fish</td>
<td></td>
<td>Trichiurus spp.</td>
</tr>
</tbody>
</table>

Figure 8: Percentage of raw materials used in Surimi processing plants in Malaysia.

➢ Constraints/Issues

❖ Insufficient raw material
❖ High production cost due to increase in raw material, increase in ingredient cost, fuel (due to transportation), and increase in transportation charges from customer.
❖ Low oversea market price in Korea & Singapore
❖ Insufficient single species fish for making high quality Surimi. Have to use as many as 20 kinds of fish to make Mixed grade Surimi but price of mixed grade is cheap. And get additional supply from Tunjung Manis deepseas operators but supply is also not enough and cost is high due to extra freight.
III Acknowledges

The project leader and all authors are very appreciated to the Government of Japan through the Fishery Agency Trust Fund for financial support of implementing the project. We also high appreciate to all countries and concerned SEAFDEC/Department focal points namely: Dr. Wudianto senior researcher of Research Center for Capture Fishery of Indonesia; Mr. Ahmad Adnan bin Nuruddin, senior officer of Fisheries Research Institute, Department of Fisheries of Mayalsia, Mr. Min Naung, Deputy Divisional Fisheries Officer from Department of Fisheries, Ayeyarwaddy Division Pathein Township, Myanmar; Mr. Noel C. Barut, Officer-in-Charge of the National Fisheries Research and Development Institute of the Philippines; Ms. Praulai Nootrnorn, Director of the Andaman Sea Fisheries Research and Development Center, DOF-Thailand; Ms. Passarapa Kaewnern, Food Technologist of Fish Inspection and Quantity Control Division, Department of Fisheries/ Thailand. Dr. Dao Manh Son, Deputy Director of Research Institute of Marine Fisheries/ Vietnam; Mr. Yeap Soon Eong, Head of Fish Processing Technology Branch, Marine Fisheries Research Department (MFRD); Mr. Ibrahim Johari, Researcher of Marine Fishery Resources Development and Management Department (MFRDMD) who joined the 1st expert consultation in 2005 and supported in data collection. Thanks you to all processing plants which allowed our survey teams visit to the plants and provided us basic information related to surimi production and its market. The authors wishes this paper will be useful and provide views of surimi industry in the Southeast Asia region to those who interested.

Photo : 1st Meeting of Working Party on the Information Collection for Economically Important Species as Surimi Raw Materials

<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
IV Profile of Surimi Processing Plant in Southeast Asia (by country)

Indonesia

Company name: PT. Pulau Mas Moro Mulia
Contact address: Kecamatan Moro Kabupaten Karimun (Kepri), Riau, Indonesia
Contact person: -
Business: Surimi
Year of established: 1990/Surimi 1997
Telephone: +62-779-511276
Fax: +62-779-511319/511282
Email: -
Web site: -
Market: Singapore

Company name: PT. Sumber Laut Utama
Contact address: Jl. Robert Wolter Mongonsidi No. 41 P.O. Box 59 Cable: SLU Jambi 36001, Indonesia
Contact person: Cipto. The Anshori Imran [Manager Pers/Umum] Ir. Budi Hartono
Business: Surimi
Year of established: 1988/ Surimi 2000
Telephone: +62-741-570148
Fax: +62-741-570147
Email: -
Web site: -
Market: Singapore

Company name: PT. Muara Manggalindo
Contact address: Jl. Muara Baru Ujung Blok H Kav. 1-10 Jakarta 14440 Indonesia
Contact person: Mr. Hartono Tan
Phone: hartono@manggalindo.com
Business: Surimi [Seafood Processor and Exporter]
Year of established: Manggalindo group in 1987 Seafood Processing Plant in June 2005
Telephone: +62-21-6621577
Fax: +62-21-6615671
Email: sales@manggalindo.com, marketing@manggalindo.com, ida@manggalindo.com
Web site: http://www.manggalindo.com
Market: Singapore, Japan
Note: Brand name: AGROSEA

Company name: PT. Nam Kyung Korea Indonesia
Contact address: Jl. Raya Sidoharjo Km 11 No. 160 Suradadi-Kab. Tegal 52182, Indonesia
Contact person: Cho, Teck Yeun [Director]
Business: Surimi
Year of established: 2003/ Surimi 2004
Telephone: +62-283-3306029/320752
Fax: +62-283-320752
Email: -
Web site: -
Market: Korea

Company name: PT. Blue Sea Industry
Contact address: Jln. Wr. Supratman Rt 1/Rw 15 Pekalongan, Jawa Tengah, Indonesia
Contact person: -
Business: Surimi
Year of established: June 2006 [Start produce July 2006]
Telephone: +62-285-423405/406
Fax: +62-285-423404
Email: -
Web site: -
Market: Korea
Surimi Industry in Southeast Asia

**PT. Sinar Bahari Agung**
- **Contact address:** Jl. Raya Kendal-batang Km12, Keb. Kendal, Jawa Tengah, Indonesia
- **Contact person:** H. Machfudz Amin
- **Business:** Surimi
- **Year of established:** 2001 [start operation on 10 April 2003]
- **Telephone:** -
- **Fax:** -
- **Email:** -
- **Web site:** -
- **Market:** Taiwan, Hong Kong, Singapore, Korea

**PT. Maya Food Industries**
- **Contact address:** Jl. Jlamprang, Krapyak Lor, Pekalongan, Jawa Tengah, Indonesia 51124
- **Contact person:** Drs. Eddy Purnomo
- **Business:** Surimi
- **Year of established:** 1995/Surimi 2005
- **Telephone:** +62-285-421676, 424557
- **Fax:** +62-285-422551, 424521
- **Email:** mfi-pld@telkom.net
- **Web site:** -
- **Market:** Taiwan, Singapore
- **Note:** Brand name: Ranesa Surimi

**PT. Southern Marine Product**
- **Contact address:** Jl. Brantas Kel. Pilang, Kec. Kademangan Probolinggo, Jawa Timur, Indonesia
- **Contact person:** -
- **Business:** Surimi
- **Year of established:** April 2003
- **Telephone:** +62-335-422777
- **Fax:** +62-335-422777
- **Email:** -
- **Web site:** -
- **Market:** Japan, Singapore

**QL Foods Sdn. Bhd.**
- **Contact address:** Lot 9120 & 9121 Jalan Tepi Sungai, 36400 Hutan Melintang, Perak, Malaysia
- **Contact person:** -
- **Business:** Surimi and Surimi base product [Surimi, Chilled Product, Frozen Product, Karasaki Ika]
- **Year of established:** 1990
- **Telephone:** +605-6414292/ 6415805
- **Fax:** +605-6412257
- **Email:** ql@tm.net.my
- **Web site:** http://www.qlfoods.com/, http://qlfoods.asiaep.com/qlfood.htm
- **Market:** -
- **Note:** Surimi base product under brand names of "Top 1", and "Mushroom"

**Ocean Fresh Malaysia**
- **Company name:** Ocean Fresh Seafood Products Sdn. Bhd.
- **Contact address:** Lot 19869 Kampong Baru, Peramu, 26060 Kuantan, Pahang, Malaysia
- **Contact person:** -
- **Business:** Surimi and Surimi base product
- **Year of established:** 1990
- **Telephone:** +6012-3220300, +6012-3661630
- **Fax:** +603-61205780
- **Email:** Ocean.Fresh@yahoo.com, jackchua@malbiz.com
- **Web site:** http://www.malbiz.com/OceanFresh.htm
- **Market:** EU, USA, Taiwan, Japan, Korea, China [from website]
- **Note:** Surimi base product under brand name "Ocean Fresh"

Malaysia
<table>
<thead>
<tr>
<th>Company name</th>
<th>Contact address</th>
<th>Contact person</th>
<th>Business</th>
<th>Year of established</th>
<th>Telephone</th>
<th>Fax</th>
<th>Email</th>
<th>Web site</th>
<th>Market</th>
</tr>
</thead>
<tbody>
<tr>
<td>QL Marine Products Sdn. Bhd.</td>
<td>Mile 6.5, Off Jalan Tuaran, 88450 Inanam, Sabah, Malaysia</td>
<td></td>
<td></td>
<td>1990</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Factory Kg Bolong, Tuaran, Sabah, Malaysia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Global Ocean Frozen Food Sdn. Bhd.</td>
<td>Lot 191, SEDCO Industrial Estate, mile 3, North Rd., PPM 519 Elipora, 90000 Sandakan, Sabah, Malaysia</td>
<td></td>
<td></td>
<td>1990</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Kinetic Food Processing Sdn. Bhd.</td>
<td>No. 11 &amp; 13, Ground Floor, Jalan Tapang Timur, 96000 Sibu, Sarawak, Malaysia</td>
<td></td>
<td></td>
<td>1997</td>
<td>+6084-332201 / 322001</td>
<td>+6084-310001</td>
<td><a href="mailto:peterkin@tm.net.my">peterkin@tm.net.my</a>, <a href="mailto:kinpms@tm.net.my">kinpms@tm.net.my</a></td>
<td><a href="http://www.kfstrade.com.my/kft/frozen.htm">http://www.kfstrade.com.my/kft/frozen.htm</a></td>
<td>-</td>
</tr>
<tr>
<td>Ta Hsin Enterprise Sdn. Bhd.</td>
<td>Lot 983, section 66 Jalan Tambatan Pending Industrial Estate 93450 Kuching, Sarawak, Malaysia</td>
<td></td>
<td></td>
<td>1992</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Perikanan LKPP Fort Sdn Bhd [from internet]</td>
<td>Lot No. PTK 3/3/9476, Tanah Putih, 25150 Kuantan, Pahang, Malaysia</td>
<td>En Fauzun bin Abdul Samad</td>
<td>Manufactured of Surimi and Other Fishery Products</td>
<td>+609-5121003</td>
<td>+609-5156855</td>
<td><a href="mailto:alfi@tradenex.com">alfi@tradenex.com</a></td>
<td><a href="http://www.tradenex.com/sites/plkpp/">http://www.tradenex.com/sites/plkpp/</a></td>
<td>Japan, United Kingdom</td>
<td>-</td>
</tr>
</tbody>
</table>
Myanmar

Company name: Pyilonechantha Trading Co., Ltd.
Location: Industrial Zone (3) Yangon
Contact address: No. 160, U Tun Nyo Street, Industrial Zone (3), Shwepyitha Township, Yangon, Myanmar
Contact person: -
Business: Surimi plant and cold storage
Year of established: 1993, Surimi plant was started in 1994
In 2004 the company invested new factory in Shwepyitha Industrial Zone (3)
Telephone: +95-1-220192
Fax: +95-1-228292
Email: pyilonechantha@mptmail.net.mm
Web site: -
Market: Japan, Australia, Singapore

Company name: A.S.K. Andaman Limited
Location: Myeik Industrial Zone, Myeik Township, Thanintharyi Division, Myanmar
Contact address: Yangon Office: 11-A, Thanlwin Road, Kamayut Township, Yangon, Myanmar
Contact person: Mr. Giegy Angelo [Production manager, Surimi and value added products]
Business: Surimi plant and cold storage
Year of established: 2003, started surimi processing line in 2004
[Joint venture between Texchem Group Food Division with Mascot Industries Co., Ltd. in Myanmar]
Telephone: +95-1-505-535/707-232
Fax: +95-1-501-785/505-464
Email: gpa-aska@myanmar.com.mm, owt-aska@myanmar.com.mm, gen-aska@myanmar.com.mm
Web site: http://www.texchemgroup.com
Market: Japan and Malaysia (to Seapack Food Sdn Bhd in Penang)

Company name: Pyi Phyo Tun International Company Limited (PPT)
Location: Strand Road, Thalaisu Quarter, Myeik
Contact address: Yangon Office: No.15, 11th Street, Lanmadaw Township, Lanmadaw P.O. 11131, Yangon, Myanmar
Contact person: Mr. Hla Than [Director]
Business: Marine products, fish meal factory, cold storage, veneer factory
Year of established: 1993, Surimi processing line has not started
Telephone: +95-1-222-630, 220-427, +95-59-41728
Fax: +95-1-225-803, +95-59-41729
Email: PPTAMP@mptmail.net.mm
Web site: -
Market: -

Company name: Min Zar Ni Co., Ltd.
Location: Industrial Zone (1), Yangon
Contact address: No. 4-Kha/1, Hlaing River Bank Road, Thaung Gy Taung Quarter, Industrial Zone (1), Hlaing Thar Yar Township, Yangon, Myanmar
Contact person: Mr. Ye Linn Naing [Director]
Business: Cold storage and processing plant
Year of established: 1995 / Surimi 2003
Telephone: +95-1-684-181 to 3
Fax: +95-1-684-185
Email: minzarni@mptmail.net.mm
Web site: -
Market: Japan (first meeting)
Note: Chinese Company (Owner); Brand name: Royal Sea Princess

Company name: Pearl Sea Co., Ltd.
Location: Industrial Zone (4), Yangon
Contact address: No. 127, Wat Ma Suit, Won Tauck Road, Hlaing Thar Yar Industrial Zone (4), Yangon, Myanmar
Contact person: Mr. Aung Zaw Oo
Business: Surimi plant
Year of established: 2003 (first meeting)
Telephone: +95-1-685010
Fax: -
Email: -
Surimi Industry in Southeast Asia

Web site: -
Market: China (first meeting)
Note: Chinese Company (Owner)

Company name: General light Co., Ltd.
Location: -
Contact address: Pa-Dauk-Chaung Police Station Compound, Bayint naung Main Rd., 4 Quarter, Hlaing Township, Yangon, Myanmar
Contact person: -
Business: -
Year of established: 2001
Telephone: +95-1-682052
Fax: -
Email: -
Web site: -
Market: Taiwan (first meeting)

Thailand

Company name: B. S. Manufacturing Co., Ltd.
Contact address: 9/99 Moo 7, Bangna-Trad Rd., Bangchalong, Bangplee, Samut Prakan 10540
Contact person: Mr. Satien Pornyuenyong (Managing Director)
Business: Frozen imitation crab meat, frozen fish paste (Surimi), frozen fish roll (Chikuwa), frozen fish cake (Kamaboko)
Year of established: 1986
Telephone: +66(2)3168394, 3993401-4
Fax: +66(2)3993405
Email: bs@mail.thailand.net, bsmnuf@ksc.th.com
Web site: http://www.directory.thailand.net/bs
Market: Africa, Asia Pacific, East Asia, Southeast Asia, Western Europe
Note: Brand name: customer’s brand

Company name: Premier Frozen Product Co., Ltd.
Contact address: 1/98 Moo 12, Soi Wathbangpleeyai, Bangna-Trad Rd. (Km. 13), Bangpleeyai, Bangplee, Samut Prakan 10540
Contact person: Mr. Somnuek Jaisunthud (Factory Manager)
sunmarine@loxinfo.com
Business: Surimi
Year of established: August, 1988
Telephone: +66(2)3171134-6
Fax: +66(2)3171450
Email: -
Web site: -
Market: Japan, Korea, Domestic

Company name: Andaman Surimi Industries Co., Ltd.
Contact address: 12/32 Moo 3, Rama Ii Rd., Bangkachao, Muang Samutsakhon, Samutsakhon 74000
Contact person: Mr. Anucha Techanitisawad (Managing Director)
Business: Manufacture of frozen minced fish (surimi) and fish meal
Year of established: March 13, 1990 2000
Telephone: +66(34)822958-9
Fax: +66(34)822931
Email: atech@ji-net.com
Web site: -
Market: Japan, Korea, Europe
Note: Brand name: Andaman Surimi

Company name: Anusorn Mahachai Surimi Co., Ltd.
Contact address: 59/7 Moo 8, Tasai, Muang Samutsakorn, Samutsakhon 74000
Contact person: Mr. Aphichai Techanitisawad (Managing Director)
apichai@anusorn.co.th
Business: Surimi
Year of established: August 14, 2003 (Start operated at August 11, 2004)
Telephone: +66(34)414161-4
Apitoon Enterprise Industry Co., Ltd
Company name: Apitoon Enterprise Industry Co., Ltd
Contact address: 5/1 Moo 5, Tasai, Muang Samutsakhon, Samutsakorn 74000
Contact person: Mr. Phiboon Chuenchusakul (Managing Director)
Business: Frozen minced fish meat (surimi), other frozen marine products
Year of established: 1975/Surimi 1983
Telephone: +66(2)2850051, +66(34)421112
Fax: +66(2)2850359, 2850369
Email: apitoon@apitoon.com
Market: Japan, Singapore, USA, Italy, Spain, France
Note: Brand name: Apitoon Surimi

K.L. Cold storage Co., Ltd.
Company name: K.L. Cold storage Co., Ltd.
Contact address: 78 Moo 4, Tasai, Muang Samutsakorn, Samutsakorn, 74000
Contact person: Ms. Rawiwan Pratanporn (Managing Director)
Mr. Katha Sakornsin (Factory manager)
Business: Surimi [Cold storage, frozen seafood, surimi, breaded products, fillet products]
Year of established: 1988, Surimi started in June, 2005
Telephone: +66(34)822371-3, 413311-19
Fax: +66(34)822374, 413320
Email: katha@mail.klcold.co.th
Web site: http://www.luckyfoods.thailand.com
Market: Japan, Hong Kong, Taiwan, Singapore, Domestic
Note: Brand name: Lucky

Lucky Surimi Products Co., Ltd.
Company name: Lucky Surimi Products Co., Ltd.
Contact address: 73/3 Moo 8, Rama II Rd., Bangkrachao, Muang Samutsakhon, Samutsakorn, 74000
Contact person: Mr. Piti Kittithirapornchai (Managing Director)
Mr. Kittipong Vivitvorakit (Plant manager)
kittipong@luckyfurimi.com
Business: Surimi and Surimi base product
Year of established: April 1, 1999
Telephone: +66(2)4760674-82, +66(34)845288
Fax: +66(2)4760658, +66(34)845236
Email: ksp@luckyfurimi.com
Web site: http://www.luckyfurimi.com
Market: Japan, Taiwan, France, Singapore, USA, China, Canada, Korea, Domestic
Note: Brand name: Lucky Surimi Products, LSP (for Surimi-base product)

Pacific Marine Food Product Co., Ltd.
Company name: Pacific Marine Food Product Co., Ltd.
Contact address: 75/12 Moo 5, Soi Wat Sopanaram, Ekachai Rd., Kokkham, Muang Samutsakhon, Samutsakorn 74000
Contact person: Mr. Pornsak Thaworntaweewong (Managing Director)
Business: Surimi [Frozen Fish, Dried Fish and Fishmeal]
Year of established: 1990
Telephone: +66(34)833696, 833704
Fax: +66(34)423620, 426743
<table>
<thead>
<tr>
<th>Company name</th>
<th>Contact address</th>
<th>Contact person</th>
<th>Business</th>
<th>Year of established</th>
<th>Telephone</th>
<th>Fax</th>
<th>Email</th>
<th>Web site</th>
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<tbody>
<tr>
<td>Sea Royal Marine Food Product Co, Ltd.</td>
<td>80 Moo 1, Thamluanakorn Rd., Bangyaprake, Maung Samutsakorn, Samutsakorn, 74000</td>
<td>Mr. Sanguan Phulkowattanakul (Managing Director) Mr. Suphachai Promsena (Factory Manager)</td>
<td>Surimi and Surimi base product</td>
<td>February 5, 1987</td>
<td>+66(34)423961-4</td>
<td>+66(34)422829, 841220</td>
<td><a href="mailto:sea_royal@yahoo.com">sea_royal@yahoo.com</a></td>
<td><a href="http://www.thaifrozenseafoods.com">http://www.thaifrozenseafoods.com</a>, <a href="http://www.srm.thailand.com">http://www.srm.thailand.com</a></td>
</tr>
<tr>
<td>Starfish Co., Ltd.</td>
<td>79/8 Moo 1, Bangtorud, Muang Samutsakhon, Samutsakhon, 74000</td>
<td>Mr. Kwanchari Samutpanich (Managing Director) Mr. Witit Muangsiri (Asst. Marketing Manager)</td>
<td>Surimi and Surimi base product</td>
<td>1996</td>
<td>+66(34)839935-40, 839740</td>
<td>+66(34)839739</td>
<td><a href="mailto:marketing@starfish.co.th">marketing@starfish.co.th</a>, <a href="mailto:marketing@starfoods.co.th">marketing@starfoods.co.th</a></td>
<td>-</td>
</tr>
<tr>
<td>China Siam Seafoods Co., Ltd.</td>
<td>69 Moo 5, Highway 41 Rd., Khaohan, Thachang, Suratthani 84150</td>
<td>Mr. Somkit Kiatrichart (Owner) Ms. Suwanna Kiatrichart (Managing Director) Mr. Rungwit Kiatrichart (Marketing Manager)</td>
<td>Surimi</td>
<td>1996</td>
<td>+66(77)260601-4</td>
<td>+66(77)260605</td>
<td><a href="mailto:css@chinasiam.com">css@chinasiam.com</a>, <a href="mailto:css_foods@yahoo.com">css_foods@yahoo.com</a></td>
<td>-</td>
</tr>
<tr>
<td>Siamchai International Food Co., Ltd. [SIFCO]</td>
<td>73/3 Moo 2, Petkasem Rd., Bangrin, Muang Ranong, Ranong 85000</td>
<td>Mr. Tanarat Tanacheevit Mrs. Salim Tanacheevit (Managing Director) Miss Urai Satthachit (Vice Managing Director)</td>
<td>Soft cuttlefish, squid, surimi, BT. Shrimp, frozen fish, octopus, cuttlefish, value-added seafood, soft shell crab</td>
<td>1987</td>
<td>+66(77)833861, 833862, 833863, 833864, 811889, 821412</td>
<td>+66(77)824989, 821413, 821414</td>
<td><a href="mailto:sifco@sifcogroup.com">sifco@sifcogroup.com</a>, <a href="mailto:sifco@samart.co.th">sifco@samart.co.th</a>, <a href="mailto:quotation@sifcogroup.com">quotation@sifcogroup.com</a></td>
<td><a href="http://www.sifcogroup.com">http://www.sifcogroup.com</a></td>
</tr>
<tr>
<td>Kantang Seafood Co., Ltd.</td>
<td>32/50 Kuena Rd., Kantang, Kantang, Trang 92110</td>
<td>Mr. Kriangsak Setavorphan (Managing Director)</td>
<td>Brand name: SIFCO Surimi, Andaman Queen</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Brand name: SIFCO Surimi, Andaman Queen</td>
<td>-</td>
</tr>
</tbody>
</table>
Mr. Piman Dongdunk (Factory Manager)

Business: Surimi and Surimi base product
Year of established: August 25, 1989
Telephone: +66(75)251450, 252008, 251655
Fax: +66(75)251789, 251358, 251703
Email: ktgroup@cscoms.com
Web site: -
Market: Japan, Korea, Malaysia, Singapore, Domestic
Note: Brand name: KSF

Company name: Trang Sure Co., Ltd.
Contact address: 88/8 Moo 4, Kuang Pai San Rd., Nathamneua, Muang Trang, Trang 92190
Contact person: Mr. Praves Sirisuttinunt (Managing Director)
Ms. Sriprae Chuaydoo (QC Manager)
Business: Surimi [Frozen minced fish meat (surimi), frozen seafood, frozen fish fillet]
Year of established: 1992
Telephone: +66(2)8633288, +66(75)276011-6
Fax: +66(2)863-1390, +66(75)276020
Email: export@trangsure.com, trgsure@cscoms.com, tsubkk@cscoms.com
Web site: http://www.trangsure.com
Market: Japan, Korea, Taiwan, Singapore, USA, Europe, Malaysia
Note: Brand name: Trang Sure

Company name: Thaveelarp Fisheries Ltd. Part
Contact address: 61 Kittikhun Rd., Kantang, Trang 92110
Contact person: Mr. Kajornsak Julavittayanukool
Business: Surimi
Year of established: 1990
Telephone: +66(1)6894505
Fax: +66(2)2233260
Email: -
Web site: -
Market: -

Company name: Hai Tai Seafood Co., Ltd.
Contact address: 64/2 Moo 5, Chana-Pattani Rd., Banna, Chana, Songkhla, 90130
Contact person: Ms. Kanchaporn Saeliaw (Production general manager)
Business: Surimi
Year of established: 1994
Telephone: +66(74)378391-7
Fax: +66(74)378398-9
Email: ht-mm@sanookcom
Web site: -
Market: Korea (Head office of this company is in Korea)
Note: Brand name: Hai Tai

Company name: Man A Frozen Food Co., Ltd.
Contact address: 3/2 Moo 7, Kao Roubchang, Maung Songkhla, Songkhla, 90000
Contact person: Mr. Mana Sripitak (Managing Director)
Mr. Sutthipong Charntanyaakam
suthipong@manafish.com
Business: Surimi and Surimi base product
Year of established: 1990 (September 7, 1990)
Telephone: +66(74)336102-6
Fax: +66(74)336107
Email: manabkk@asiaaccess.net.th, manafish@manafish.com, mana_fish@hotmail.com
Market: Japan, Singapore, Hong Kong and domestic
Note: Brand name: Man A, Pure Fish

Company name: Pacific Fish Processing Co., Ltd.
Contact address: 27/4 Moo 7, Kaoseng-Jana Rd., Kao Roubchang, Muang Songkhla, Songkhla, 90000
Contact person: Mr. Amnouychock Yodkaev (Surimi Factory Manager)
chock@pfp-pacific.com
Business: Surimi and Surimi base product
Year of established: 1984  
Telephone: +66(2) 2854070-5, +66(74)323207-9, 336011-3, 435283-92  
Fax: +66(74)323210, 321021, 336018-9, 435-291  
Email: export@pfp-pacific.com, sale@pfp-pacific.com  
Web site: http://www.pfp-pacific.com  
Market: Japan, Taiwan, Malaysia, Singapore, Hong Kong, China, Australia, France, Canada, USA, and domestic  
Note: Brand name: PFP (for Surimi-base product)  

Company name: Buyong General Co., Ltd.  
Contact address: 75/12 Moo 8, Ban Khoak Ma, Nong Chik-Jana Rd., Banna, Jana, Songkhla 90130  
Contact person:  
Business: Surimi  
Year of established: 2005  
Telephone: +66(74)342261  
Fax:  
Email:  
Web site:  
Market:  

Contact address: 364 Moo 8, Na Kleau Rd., Bana, Muang Pattani, Pattani 94000  
Contact person: Mrs. Supawadee Choksakulnimitr (Managing Director)  
Business: Surimi  
Year of established: 2003  
Telephone: +66(73)333444, 311142-3  
Fax: +66(73)348216, 311121  
Email: cmr@loxinfo.co.th  
Market: Japan, Singapore, Malaysia  
Note: Brand name: CMR, Chaicharoen Surimi  

Vietnam  

Company name: Viet Truong Co., Ltd.  
Contact address: Vinh Niem Industrial Park, le Chan District, Hai Phong City, Vietnam  
Contact person: Mr. Ngo Viet Truong (Director)  
Business: Surimi [Seafood Processing including Surimi and import-export, Main product is frozen fish and squid.]  
Year of established: 2001 (Surimi May 2006)  
Telephone: +84-31-742563  
Fax: +84-31-742960  
Email: viettruongco.ltd@hn.vnn.vn  
Web site:  
Market: Korea, Japan [Kanafuku Company], (Singapore)  

Company name: Danifoods D&N Foods Processing Co., Ltd.  
Contact address: 62 Yet Kieu Street, Tho Quang, Son Tra District, Danang City, Vietnam  
Contact person: Mr. Noboru Sakaguchi (Director)  
Mr. Nguyen Van Thuong (Manager of Trading Dept.)  
nguyenthuong@vnn.vn  
Business: Surimi and Surimi base product  
Year of established: 1996  
Telephone: +84-511-848170, 848171, 848178  
Fax: +84-511-848230  
Email: dnf@dng.vnn.vn  
Web site:  
Market: Japan, Thailand, China, New Zealand  
Note: This is Japanese company "Daiichi Chinmi". Have 5 factories, 2 in Japan 1 in China, 1 in Thailand, and 1 in Vietnam.  

Company name: Tien Dat Seafood Processing Co., Ltd.  
Contact address: Lang Cat Hamlet, Tan Hai Commune, Tan Thanh District, Ba Ria-Vung Tau Province, Viet Nam  
Contact person: Mr. Nguyen Thanh Dat (Planning Manager)
Surimi Industry in Southeast Asia [2007]

**Business:** Surimi [Seafood processing, Main business: Manufacturing and processing sea product for export and domestic market. Farm product processing and export. Main product: Specializing product processing and export Surimi]

**Year of established:** 7 June 1997, Surimi 1998

**Telephone:** +84-64-844603, 844651, 844652

**Fax:** +84-64-844653

**Email:** seafood@hcm.vnn.vn, tiendat@vasep.com.vn, tiendatseafood@vnn.vn

**Web site:** http://www.vasep.com.vn/tiendat/

**Market:** Japan, Korea, Australia, Singapore, Malaysia, Russia

**Company name:** Baria-Vungtau Seafood Processing and Import-Export Joint Stock Company

**Baseafood [Factory No. II]**

**Contact address:** 460 Truong Cong Dinh Street, Vungtau City, Baria-Vungtau Province, Vietnam

**Contact person:** Mr. Pham Kim Dien (Vice Director)

**Business:** Surimi [Seafood processing]

**Year of established:** 1982, Surimi 1991

**Telephone:** +84-64-580085, 580702, 837313

**Fax:** +84-64-837312

**Email:** baseafoodvn@vnn.vn, bsf@hcm.vnn.vn, bsff20@hcm.vnn.vn

**Web site:** http://www.baseafood.net

**Market:** EU, Japan, Korea [main], Singapore, Taiwan, Thailand, China, Mexico

**Note:** There are 5 factory; No.1 and 4 in Baria Town, No.2 in Vungtau city, No.3 in Phuoc Hai Village, Dat Do District, No.5 in Long Hai Town, Long Dien District.Factory No.2 and 3 produce Surimi.

**Company name:** Coimex [Condao Seaproducts and Import Export Company]

**Contact address:** 40 Le Hong Phong Street, Ward 4, Vung Tau City, Vietnam

**Contact person:** Mr. Nguyen The Hung (Vice Director)

**Business:** Surimi and Surimi base product, Fish sauce factory.

**Year of established:** 17 September 1992, Surimi in 1995

**Telephone:** +84-64-839914, 839362, 837794

**Fax:** +84-64-839360

**Email:** coimexo-cty@hcm.vnn.vn, thehung@coimexvn.com, coimexdpt@hcm.vnn.vn

**Web site:** http://www.coimexvn.com

**Market:** Korea, Russia & SNG, Japan, USA, Singapore, Taiwan, EU, Australia, Hong Kong

**Note:** First started as State-owned Company, but at present Joint Stock Company now [Gov.51% Private 49%]

**Company name:** Viet Nam Changhua Aquatic Foodstuff Co., Ltd.

**Contact address:** Office: 04 Trung Trac Street, Ward 1, Vung Tau City, Vietnam

**Contact person:** Mr. Zhang Xue Jun (General Director)

**Business:** Surimi & Surimi-based products [China Company]

**Year of established:** -

**Telephone:** +84-64-621251

**Fax:** +84-64-621250

**Email:** tch@vip.sina.com, chrzvn@hotmail.com

**Web site:** -

**Market:** EU, Russia, USA, China

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