# Corporate IT Investment and Internet Usage Gain Momentum <br> — The NLI Survey of Business Conditions 

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## Introduction

While consistently lagging behind the U.S. in the adoption of information technology (IT), Japan's recent surge in Internet use has propelled e-commerce activities and triggered the growth of information technology (IT) related industries to a new level. Moreover, the strength of IT related investment in an otherwise uninspired investment climate has brought to light the macroeconomic significance of corporate IT programs as well.

To examine the status of corporate IT programs in Japan, Nippon Life Insurance Co. and NLI Research Institute jointly conducted the Nissay Business Conditions Survey in January and February, covering 4,034 companies nationwide. We found an aggressive stance toward IT related investment, with over $30 \%$ of companies increasing IT related investment spending in fiscal 2000 over the previous year. In addition, approximately $60 \%$ have made IT investments in accounting operations in the past three years, while over half have already set up web sites.

However, progress has not been uniform: a quarter of the companies (27.5\%) have no more than one personal computer for every five employees, and only about $10 \%$ are engaged in ecommerce. This may be attributed to two major concerns shared by many companies: the lack of specialized personnel, and the unproven effectiveness of IT investment.

## 1. IT Related Investment

(1) Disparities in Software Development and Orders by Company Size

In fiscal 1999, with the exception of a minority of $3.9 \%$ of companies, all companies invested in information technology (Figure 1).

The most common areas of investment spending were computer related purchases (52.8\%),
followed by network construction (47.9\%), computer related leasing or rentals (46.8\%), and systems maintenance ( $43.2 \%$ ).

Overall, large companies tend to invest in IT more aggressively than second tier and small and mid-sized companies. This tendency is especially pronounced in advanced IT areas such as software development and orders, and outsourcing of systems operation and development.

Figure 1 IT Investment Categories by Company Size (Fiscal 1999)

|  | Overall | Large | 2nd tier |  <br> med. |
| :--- | ---: | ---: | ---: | ---: |
| Computer purchases | 52.8 | 52 | 54.5 | 52.1 |
| Computer lease/rental | 46.8 | 58.1 | 53.9 | 42.8 |
| Software purchases | 39.9 | 51.6 | 43.6 | 37.3 |
| Software dev./orders | 26.2 | 47.7 | 31.1 | 22 |
| Systems outsourcing (oper./dev.) | 10 | 19.4 | 12 | 8.3 |
| Network construction | 47.9 | 55.2 | 54.3 | 44.8 |
| Systems maintenance | 43.2 | 55.2 | 50.4 | 39.2 |
| Not investing | 3.9 | 0.7 | 1.9 | 5.1 |

Note: Numbers do not add up to 100 due to multiple responses.

## (2) $\mathbf{3 0 \%}$ Plan to Increase IT Investment in Fiscal 2000

With regard to IT investment plans for fiscal 2000, the largest segment of companies plans to spend the same amount as in the previous year ( $46.6 \%$ ), while $31.2 \%$ plan to increase spending and $11.9 \%$ plan a decrease. The diffusion index of 19.3 (DI; percent of companies planning increase minus those planning decrease) thus indicates that many companies will invest actively in IT in fiscal 2000 (Figure 2).

By industry, the DI for IT investment intentions appears strong among companies in information services ( $\mathrm{DI}=40.9$ ), personal services (39.5), publishing and printing (26.3), and food products (25.4). On the other hand, the DI is non-positive for utilities ( -8.5 ) and oil and glass and ceramics ( 0.0 ), indicating a more restrained investment stance.

By region, companies in the Tohoku ( $\mathrm{DI}=23.5$ ), Kanto (22.8), Tokai (22.3), and Hokkaido (21.3) areas appear to have a positive stance toward IT investment, while those in the Shikoku (5.8) and Koshinetsu/Hokuriku (9.1) areas appear to be less enthusiastic.

Figure 2 IT Related Investment Plans for Fiscal 2000

|  | Increase | No change | Decrease | Don't <br> know | DI |
| :--- | ---: | ---: | ---: | ---: | ---: |
| All industries | 31.2 | 46.6 | 11.9 | 9.3 | 19.3 |

Industry

| Oil, glass \& cer. | 18.8 | 52.2 | 18.8 | 10.1 | 0 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Food products | 35 | 42.9 | 9.6 | 12.4 | 25.4 |
| Publishing/printing | 35.1 | 40.4 | 8.8 | 12.3 | 26.3 |
| Information services | 43.5 | 47.8 | 2.6 | 3.5 | 40.9 |
| Personal services | 49.4 | 33.3 | 9.9 | 6.2 | 39.5 |
| Utilities | 12.8 | 55.3 | 21.3 | 6.4 | -8.5 |

Company size

| Large | 31.2 | 52 | 10.8 | 5.4 | 20.4 |
| :--- | ---: | ---: | ---: | ---: | :---: |
| 2nd tier | 31.5 | 48.7 | 11.9 | 6.6 | 19.6 |
| Small \& med. | 31.1 | 45.3 | 2 | 10.7 | 19.1 |

Note: Numbers may not add up to 100 due to incomplete responses.

## (3) IT Investment is Concentrated in Accounting

In the past three years (fiscal 1997-99), the most common category of IT investment has been accounting ( $58.3 \%$ ), followed by sales and customer management (43.3\%), marketing (39.7\%), and personnel and payroll (39.7\%; Figure 3).

By industry, IT investment in accounting is led by real estate (78.8\%) and restaurants (69.6\%), sales and customer management by retailing ( $71.0 \%$ ), marketing by the financial industry ( $65.4 \%$ ), personnel and payroll by restaurants ( $53.6 \%$ ), production management by electrical machinery ( $59.9 \%$ ), and R\&D by information services (34.8\%).

By company size, significant differences do not occur for investment in accounting (60\%), and for sales and purchase orders (both $30 \%$ ). However, company size is a significant factor in the areas of marketing, personnel and payroll, and distribution.

Figure 3 IT Related Investment in the Past Three Years

Selected industries

| Elec. machinery | 30.2 | 41.3 | 59.5 | 37.2 | 31.8 | 40.9 | 59.9 | 10.3 | 3.3 | 16.1 | 7.9 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Real estate | 20 | 33.8 | 73.8 | 10.8 | 44.6 | 9.2 | 4.6 | 0 | 3.1 | 0 | 12.3 |
| Retail | 52.6 | 39 | 55 | 21.4 | 71.0 | 30.4 | 2.4 | 14.1 | 5.4 | 1.4 | 3.3 |
| Restaurant | 40.6 | 53.6 | 69.6 | 21.7 | 36.2 | 46.4 | 4.3 | 10.1 | 4.3 | 1.4 | 5.8 |
| Inform. services | 31.3 | 35.7 | 57.4 | 20.9 | 39.1 | 22.6 | 12.2 | 2.6 | 7.8 | 34.8 | 11.3 |
| Finance | 65.4 | 34.6 | 57.7 | 0 | 53.8 | 11.5 | 0 | 0 | 7.7 | 3.8 | 26.9 |

Company size

| Large | 50.9 | 47.7 | 58.8 | 32.6 | 48.4 | 28.7 | 30.1 | 23.3 | 5 | 12.9 | 8.6 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Second tier | 42 | 43.4 | 57.4 | 32.5 | 42.5 | 28.7 | 32.2 | 16.3 | 3.8 | 11.2 | 9.6 |
| Small \& med. | 37.8 | 37.5 | 58.7 | 31.2 | 43.1 | 30.4 | 25.2 | 10.5 | 2.7 | 7.6 | 7.8 |

Note: Numbers doe not add up to 100 due to multiple responses.

## (4) Penetration of Personal Computers Varies by Industry

Overall, the most common ratio of regular employees per personal computer is five to one ( $27.4 \%$ ), followed by two to one ( $24.9 \%$ ). Only $17.3 \%$ have a one-to-one ratio or better (Figure 4 ).

By industry, the one-to-one ratio is highest in information services ( $78.3 \%$ ), followed by communications ( $51.4 \%$ ) and specialized services ( $49.0 \%$ ). On the other hand, almost one-half $(46.6 \%)$ of companies in the retail industry have five or more persons per PC.

By company size, the proportion of companies with no more than one person per PC tends to increase with company size.

By region, the one-to-one ratio is high in the Kanto ( $28.1 \%$ ) and Hokkaido ( $18.1 \%$ ) regions, and low in the Tokai (10.6\%), Shikoku (11.6\%) and Chugoku (11.7\%) regions.

Figure 4 Ratio of Employees to Personal Computers


Selected industries

| Electrical machinery | 21.1 | 31.8 | 17.4 | 9.5 | 19 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Communications | 51.4 | 14.3 | 14.3 | 11.4 | 8.6 |
| Real estate | 30.8 | 20 | 18.5 | 10.8 | 16.9 |
| Retail | 8.1 | 18.7 | 14.1 | 11.4 | 46.6 |
| Information services | 78.3 | 11.3 | 1.7 | 1.7 | 4.3 |
| Specialized services | 49.0 | 24.5 | 6.1 | 6.1 | 6.1 |

Company size

| Large | 25.1 | 27.6 | 17.2 | 6.8 | 21.5 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Second tier | 17 | 28.6 | 17.5 | 9.4 | 26.2 |
| Small \& medium | 16.6 | 23.3 | 17.3 | 12.8 | 28.4 |

Note: Numbers may not add up to 100 due to incomplete responses.

## (5) IT Expertise Shortage Limits Investment

The large majority of companies are confronting problems in implementing IT investment. Only about 20\% cite no problems in particular (Figure 5).

The largest bottleneck to IT investment appears to be a lack of IT experts (29.7\%), followed by inadequate employee training \& development regarding IT (28.7\%). However, another obstacle is pessimism regarding IT: almost one in four companies ( $23.6 \%$ ) expects IT investment not to produce significant efficiency and earnings improvement.

By industry, the lack of IT expertise is particularly acute in business services (38.2\%) and steel ( $37.8 \%$ ). Inadequate employee training \& development regarding IT is most cited in personal services ( $35.8 \%$ ), and the high cost of hardware and information services in electric power, gas and water utilities (29.8\%).

By company size, the lack of IT expertise increases in importance as company size decreases, and is most acutely felt among small and mid-sized companies.

Figure 5 Problems Encountered in Implementing IT Investment

|  |  |  | $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{0}{5} \\ & \stackrel{5}{0} \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \end{aligned}$ |  |  |  | $\begin{aligned} & \overline{0} \\ & 0 \\ & 0 \\ & \stackrel{\rightharpoonup}{I} \\ & \bar{I} \end{aligned}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All industries | 29.7 | 5.8 | 2.9 | 28.7 | 23.6 | 8.7 | 11. | 6.5 | 6.3 | 9. | 19.7 |

Selected industries

| Steel | 37.8 | 4.1 | 2.7 | 28.4 | 18.9 | 9.5 | 14.9 | 5.4 | 9.5 | 13.5 | 12.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Restaurant | 26.1 | 13.0 | 4.3 | 29 | 21.7 | 13.0 | 14.5 | 4.3 | 2.9 | 5.8 | 20.3 |
| Specialized serv. | 22.4 | 6.1 | 0 | 22.4 | 24.5 | 12.2 | 6.1 | 10.2 | 6.1 | 10.2 | 22.4 |
| Business serv. | 38.2 | 6.6 | 1.5 | 27.2 | 19.9 | 6.6 | 8.1 | 8.8 | 8.1 | 8.8 | 20.6 |
| Personal serv. | 25.9 | 7.4 | 3.7 | 35.8 | 25.9 | 7.4 | 14.8 | 2.5 | 3.7 | 4.9 | 18.5 |
| Utilities | 25.5 | 10.6 | 0 | 23.4 | 19.1 | 4.3 | 29.8 | 6.4 | 6.4 | 6.4 | 21.3 |

Company size

| Large | 16.5 | 7.5 | 1.1 | 23.7 | 22.2 | 12.5 | 14.7 | 9.3 | 5 | 8.6 | 24.4 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Second tier | 24.5 | 6.1 | 2.8 | 29.9 | 25.3 | 10.3 | 12.4 | 8.7 | 4.8 | 9.8 | 19.7 |
| Small \& med. | 33.2 | 5.6 | 3.1 | 28.8 | 23.1 | 7.6 | 10.1 | 5.3 | 7 | 8.9 | 19.2 |

Note: Numbers do not add up to 100 due to multiple responses.

## 2. Internet Use

## (1) Over Half Have Set Up Web Sites

Over one-half of companies ( $51.2 \%$ ) have completed setting up a home page on the Internet. Combined with the companies now considering doing so, the proportion rises to $75.3 \%$, or three out of four companies who are at some stage of establishing a web site (Figure 6). Thus as the Internet grows, companies are increasingly regarding an Internet presence as a condition for business.

By industry, web presence is strongest in communications ( $91.4 \%$ ), followed by information services ( $91.3 \%$ ) and publishing and printing ( $82.5 \%$ ).

Disparities are pronounced by company size. Whereas four out of five large companies have already set up web sites, only $40 \%$ of small and mid-sized companies have done so. More-
over, approximately $30 \%$ of small and mid-sized companies presently have no plans for the immediate future.

Figure 6 Status of Web Site Setup

|  | $\begin{array}{c}\text { Completed } \\ \text { (A) }\end{array}$ | $\begin{array}{c}\text { Under study } \\ \text { (B) }\end{array}$ | No plans | $\begin{array}{c}\text { Completed } \\ \text { +Under study } \\ \text { (A+B) }\end{array}$ |
| :--- | ---: | ---: | ---: | ---: |
| All industries | 51.2 | 24.1 | 23.8 | 75.3 |

Selected industries

| General/precision machinery | 58.3 | 26.4 | 14.9 | 84.7 |
| :--- | ---: | ---: | ---: | ---: |
| Publishing/printing | 82.5 | 10.5 | 5.3 | 93 |
| Communications | 91.4 | 8.6 | 0 | 100 |
| Retail | 53.7 | 24.7 | 20.6 | 78.4 |
| Information services | 91.3 | 2.6 | 2.6 | 93.9 |
| Specialized services | 73.5 | 12.2 | 12.2 | 85.7 |
| Personal services | 66.7 | 18.5 | 13.6 | 85.2 |

Company size

| Large | 81.7 | 9.3 | 7.5 | 91 |
| :--- | ---: | ---: | ---: | ---: |
| Second tier | 67 | 18.9 | 13.5 | 85.9 |
| Small \& medium | 42 | 27.7 | 29.6 | 69.7 |

Note: Numbers do not add up to 100 due to multiple responses.

## (2) Only 12\% are Engaged in E-Commerce

Only $12.4 \%$ of companies are presently enabled for e-commerce on the Internet. Combining the companies now considering entering e-commerce, the proportion still amounts to only about $30 \%$ (Figure 7). On the other hand, over $65 \%$ have no plans in the immediate future. Thus despite the expansion of IT investment, progress in e-commerce remains slow. However, since e-commerce is expected to grow at an accelerating rate once it begins to spread, the potential exists for rapid growth in the future once the companies now considering e-commerce implement their plans.

By industry, current e-commerce use has advanced most in publishing and printing (29.8\%), information services ( $27.0 \%$ ), and personal services ( $22.2 \%$ ). By company size, small and mid-sized companies lag behind significantly, with approximately $70 \%$ having no plans to enter e-commerce in the immediate future.

Figure 7 Status of E-Commerce Activity

|  | Completed <br> (A) | Under study <br> (B) | No plans | Completed +Under study $(A+B)$ |
| :---: | :---: | :---: | :---: | :---: |
| All industries | 12.4 | 20.6 | 65.4 | 33 |
| Selected industries |  |  |  |  |
| General/precision machinery | 14.9 | 19.1 | 65.5 | 34 |
| Publishing/printing | 29.8 | 17.5 | 50.9 | 47.3 |
| Communications | 20 | 8.6 | 71.4 | 28.6 |
| Retail | 13.8 | 28.7 | 55.3 | 42.5 |
| Information services | 27.0 | 35.7 | 33.9 | 62.7 |
| Specialized services | 20.4 | 18.4 | 55.1 | 38.8 |
| Personal services | 22.2 | 27.2 | 48.1 | 49.4 |
| Company size |  |  |  |  |
| Large | 21.9 | 23.7 | 51.6 | 45.6 |
| Second tier | 15.3 | 23.4 | 60 | 38.7 |
| Small \& medium | 10.3 | 19.1 | 69.0 | 29.4 |

## (3) $\mathbf{8 0 \%}$ of E-Commerce is B2B

Among companies already engaged in (or considering) e-commerce, $79.5 \%$ are engaged in business-to-business (B2B) e-commerce, while $45.8 \%$ are engaged in business-to-consumer (B2C) e-commerce (Figure 8). Included in both categories are the $27.0 \%$ of companies engaged in both B2B and B2C. This strong B2B orientation can be largely attributed to the uncertainties surrounding B 2 C e-commerce, compared to the significant cost reductions expected from B2B e-commerce.

By industry, the B2B orientation is strongest in non-ferrous metal and metal products ( $98.4 \%$ ), followed by steel ( $95.3 \%$ ), information services ( $91.7 \%$ ), and business services ( $91.4 \%$ ). On the other hand, the B2C orientation is strongest in retail ( $83.4 \%$ ) and food products ( $69.8 \%$ ), which are closely associated with final consumption goods.

By region, the B2B orientation is strong in Kyushu (87.5\%) and Koshinetsu/Hokuriku ( $86.8 \%$ ) regions, while the B2C orientation is strong in Hokkaido (88.0\%).

Figure 8 B2B Versus B2C E-Commerce

|  | Corporate | Consumers | Customer segment |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | customers <br> (A + C) |  | Consumer <br> only (B) | Both (C) |  |
| All industries | 79.5 |  | 52.5 | 18.8 | 27 |

Selected industries

| Steel | 95.3 | 14.3 | 81 | 0 | 14.3 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Non-ferrous metal | 98.4 | 23.4 | 75 | 0 | 23.4 |
| Food products | 65.7 | 69.8 | 26 | 30.1 | 39.7 |
| Retail | 50.9 | 83.4 | 14.6 | 47.1 | 36.3 |
| Information services | 91.7 | 44.4 | 55.6 | 8.3 | 36.1 |
| Personal services | 91.4 | 40 | 60 | 8.6 | 31.4 |

Company size

| Large | 74 | 49.6 | 49.6 | 25.2 | 24.4 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Second tier | 78.4 | 47 | 51.1 | 19.7 | 27.3 |
| Small \& medium | 80.8 | 44.5 | 53.7 | 17.4 | 27.1 |

Note: Numbers do not add up to 100 due to multiple responses.

## (4) $\mathbf{8 0 \%}$ Use E-Commerce in Sales and Marketing

Among companies engaged in (or considering) e-commerce, the most common application area by far is sales and marketing ( $78.8 \%$ ), followed by procurement ( $33.9 \%$ ) and accounting and administration (20.6\%; Figure 9).

By industry, application in sales and marketing is highest in communications (100.0\%) and finance ( $100.0 \%$ ), while application in procurement is highest in transport equipment (58.8\%) and electric machinery ( $54.4 \%$ ).

Large companies tend to implement procurement applications, while second-tier and small and mid-sized companies tend to implement (or consider) applications in accounting and administration.

Figure 9 E-Commerce Applications Being Used (or Considered) by Department

|  | Sales / <br> marketing | Development <br> /design | Procurement | Adminis- <br> tration | Other |
| :--- | ---: | ---: | ---: | ---: | ---: |
| All industries | 78.8 | 17.6 | 33.9 | 20.6 | 4.4 |

Selected industries

| Electric machinery | 67.8 | 23.3 | 54.4 | 22.2 | 1.1 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Transport equipment | 62.7 | 27.5 | 58.8 | 21.6 | 3.9 |
| Communications | 100.0 | 10 | 0 | 10 | 0 |
| Real estate | 90.9 | 0 | 18.2 | 18.2 | 0 |
| Wholesale | 90.7 | 6.3 | 39 | 19.5 | 3.4 |
| Specialized services | 47.4 | 100.0 | 0 | 26.3 | 15.8 |
| Finance | 0 | 0 | 16.3 |  |  |

Company size

| Large | 78 | 18.1 | 39.4 | 15 | 6.3 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Second tier | 79.1 | 18.7 | 37.1 | 21.4 | 4.4 |
| Small \& medium | 78.9 | 17 | 31.6 | 21.1 | 4 |

Note: Numbers do not add up to 100 due to multiple responses.

## (5) 70\% Use E-Commerce for Purchase Orders

Among companies engaged in (or considering) e-commerce, the most common function is processing of sales and purchase orders ( $69.2 \%$ ), followed by sales promotion and product information ( $47.3 \%$ ), and back office order processing for delivery ( $27.9 \%$; Figure 10).

Figure 10 E-Commerce Applications Being Used (or Considered) by Work Function

|  | Issuing / <br> receiving <br> purchase <br> orders | Sales <br> negotia- <br> tions | Dev./ <br> design <br> negotia- <br> tions | Order <br> process - <br> ing | Settle- <br> ment | Fulfill- <br> ment | Promo- <br> tions/ <br> product <br> info. | Other |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Selected industries

| Electric equip. | 76.7 | 21.1 | 27.8 | 33.3 | 17.8 | 7.8 | 35.6 | 3.3 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Transport equip. | 70.6 | 27.5 | 39.2 | 31.4 | 17.6 | 3.9 | 33.3 | 2.0 |
| Communications | 30.0 | 10.0 | 10.0 | 20.0 | 10.0 | 10.0 | 40.0 | 10.0 |
| Real estate | 18.2 | 9.1 | 0.0 | 9.1 | 9.1 | 18.2 | 72.7 | 9.1 |
| Wholesale | 82.4 | 24.9 | 9.8 | 30.2 | 17.1 | 14.1 | 52.7 | 2.0 |
| Specialized serv. | 47.4 | 15.8 | 36.8 | 15.8 | 10.5 | 5.3 | 36.8 | 10.5 |
| Finance | 33.3 | 16.7 | 0.0 | 0.0 | 66.7 | 33.3 | 83.3 | 33.3 |

Company size

| Large | 65.4 | 18.9 | 15.7 | 26.8 | 18.9 | 12.6 | 45.7 | 4.7 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Second tier | 71.7 | 21.6 | 16.0 | 28.0 | 17.4 | 10.6 | 48.2 | 6.1 |
| Small \& medium | 68.3 | 19.8 | 16.4 | 28.2 | 16.3 | 11.4 | 47.1 | 4.0 |

By industry, the most common function is sales and purchase orders in wholesale (82.4\%), followed by sales promotion and product information in finance (83.3\%) and real estate $(72.7 \%)$. By company size, with the exception of transactions settlement and delivery of product/service, second-tier and small and mid-sized companies are slightly more involved in implementing (or considering) e-commerce functions.

## Nissay Business Conditions Survey

Survey period: Mid January to late February 2000
Number of valid responses: 4,034

1. By company size

|  | No. of companies | Composition (\%) |
| :--- | :---: | :---: |
| Large | 279 | 6.9 |
| Second tier | 1,053 | 26.1 |
| Small \& mid-sized | 2,687 | 66.6 |
| Total | 4,034 | 100.0 |

## 2. By region

|  | No. of companies | Composition (\%) |
| :--- | ---: | :---: |
| Hokkaido | 94 | 2.3 |
| Tohoku | 277 | 6.9 |
| Kanto | 1,093 | 27.1 |
| Koshinetsu/Hokuriku | 351 | 8.7 |
| Tokai | 517 | 12.8 |
| Kinki | 943 | 23.4 |
| Chugoku | 350 | 8.7 |
| Shikoku | 86 | 2.1 |
| Kyushu | 193 | 4.8 |
| No answer/other | 130 | 3.2 |
| Total | 4,034 | 100.0 |

