| No. | KPI | Description | KPI formula | Practice Example | Application Date | Relation with Financials | Merit/Need |
|-----|--|--|---|--|--|-----------------------------|---|
| 1 | Research and | next generation sustainable energy | Total cost of development of next generation technologies out of research and development cost for the current year | Sample Business Case: ABC company Areas Amount of capital investment (JPY: millions) R&D for next generation technologies 12,000 | | | It enables users to predict future competitiveness by making clear the company's efforts, behaviors and strategies to develop new technologies. |
| 2 | | • | Number of new models of eco cars and their sales performance | Sample Business Case: ABC company Number of new models New models of eco cars Number of sales (y/y) Sales performance of eco cars 5,500,000 (+85%) | Provided once a year according to the fiscal term. | Sales | It shows the company's efforts to develop eco vehicles and its actual achievement. |
| | | ' ' | (Number of low and ultra low emission vehicles / Sales volume)×100 Ex. Super Ultra Low Emission Vehicle (SULEV) is a U.S. classification for conventionally powered or gasoline-electric hybrid vehicle designed to produce minimal air pollution at their point of use, typically 90% less than that of an equivalent ordinary full gasoline vehicle. | Sample Business Case: ABC company Country Regulation (%) Japan Super Ultra Low Emission Vehicle (SULEV) / 96.2 Ultra Low Emission Vehicle (ULEV) US Tier2/LEV2 xx.x Europe Euro4/Euro5 xx.x | Provided once a year according to the fiscal term. | None | It shows a company's technical srength and ability to cope with regulation changes. |
| 4 | wordge gae mileage | To understand a company's research and development (R&D) capability and technical strength | Average gas mileage (km/l) | Sample Business Case: ABC company Average gas mileage Sedan 8.4 km/l | Provided once a year according to the fiscal term. | None | We can see the running efficiency by vehicle types. |
| - h | Number of patents applied for and obtained | To understand a company's current technical strength and innovative power | · | Sample Business Case: ABC company Number of patents Number of patents Number of patents applied for held obtained in current year Year 2009 328 1,461 (156) | Provided once a year according to the fiscal term. | | It shows a company's research and development (R&D) capability. |
| | Capital expenditures (by region) | To understand a company's manufacturing capability in the future | Number of implemented cases / Total cases = Implementation ratio for top 10 items | Sample Business Case: Region Capital expenditures (JPY: millions) North America 100,000 | | expenditures, | It is useful to plan a company's regional strategy and to assess its strategic fit. |
| 7 | | • • | Number of business and manufacturing bases by region | Sample Business Case: ABC company Japan North America Europe Asia Others | Provided once a year according to the fiscal term. | Sales | It shows global business deployment. |
| | Vehicle production and sales (by region) | competitiveness | Production and sales volume of vehicles for each business type (4 wheels/2 wheels vehicles) by region | Sample Business Case: ABC company Business Region Production Rate 4 wheels Japan 1,200,000 0.3 | Provided once a year according to the fiscal term. | Sales | It is useful to plan a company's regional strategy and to assess its strategic fit. |
| 9 | Market share (by region) | To understand a company's market share by region | Market share (sales volume) by region | Sample Business Case: ABC company (passenger cars) Total sales volume Year-to-year rise Sales Market share in a market (%) volume (%) Japan 6,717 +1.7 678 10.1 North America ××× ×× ×× ×× | Provided once a year according to the fiscal term. | Sales | It shows a company's regional positioning and its competitiveness. |
| 10 | | To understand a company's risk management for foreign currency change | Local production volume / Total volume | Sample Business Case: ABC company North America Local production rate 45% | Provided once a year according to the fiscal term. | (Future) business profit | It shows a company's risk management for foreign currency change in future. |

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|------|---|---|---|---|--|-----------------------------|--|
| 11 | | To understand a company's risk management for foreign currency change | (Local raw materials - other raw materials) / Total raw materials | Sample Business Case: ABC company North America Local content rate 63.5% | Provided once a year according to the fiscal term. | costs, | It shows the cost competitiveness by global distributed factories of manufacturing enterprises. |
| | Rate of ISO approvals obtained in supply chain | To understand if a company maintains a specific level of quality across the value chain | Number of suppliers who obtain ISO approvals / Total number of suppliers | Sample Business Case: ABC company ISO9000 approvals obtained rate (%) Rate of suppliers who obtain ISO approvals | Provided once a year according to the fiscal term. | | We can evaluate a company's quality management and pro-environmental behavior. |
| | Customer satisfaction degree | To understand the condition of the client's assets | Independent customer satisfaction rankings such as J.D. Power etc can be used. It is recommended to select one which is categorized by initial quality, sales, service and so on. | Sample Business Case: ABC company J.D. Power Asia pacific Japan vehicle sales customer satisfaction research Year 200 × 5 632 Industry average - 603 | Provided once a year according to the fiscal term. | | It provides objective information to assess customer satisfaction. |
| 1741 | Independent brand research and rankings | To understand the index of a company's brand value | Independent brand rankings etc. | Sample Business Case: ABC company Rank 2009 Nikkei brand value ranking 1 | Provided once a year according to the fiscal term. | | It shows the marketing strategy and brand value of a company. |
| | Number of recalls and recalled vehicles | To understand a company's preventive risk management | Number of recalls and recalled vehicles | Sample Business Case: ABC company Car brands Date of the notification Number of recalled vehicles OOO 5/24/2009 1,638 xxx 9/2/2009 35,593 DDD 10/12/2009 459 Number of recalls: 3 | Provided once a year according to the fiscal term. | | It shows a company's efforts to ensure safety for not only consumers but also information users. |
| าเกเ | Sales of flagship type of vehicles | To understand a company's brand value indirectly | Sales volume of flagship vehicles and its amount | Sample Business Case: ABC company Car brands Sales volume Sales amount (JPY: millions) OOO 435,997 xxx xxx 304,759 xxx DDD 299,952 xxx | Provided once a year according to the fiscal term. | | It shows a company's competitiveness. |
| 171 | Production capacity by region | To understand a company's performance level | Production capacity and operating ratio | Sample Business Case: ABC company Region Main plants Production capacity Capacity utilization (%) Japan Head plants 678 108 OO plants 348 102 North America xx plants 278 98 | Provided once a year according to the fiscal term. | costs, | It provides the evidence of a company's object and plan of its production or sales. |
| 18 | Number of employees and average years of service by region | · · · · · · · · · · · · · · · · · · · | Number of group companies' regular employees and their average years of service | Sample Business Case: ABC company Region Number of employees service (years) Japan 435,997 xxx U.S. 204,759 xxx Asia 299,952 xxx | Provided once a year according to the fiscal term. | | It provides data to measure quantity and quality of human resources. |
| 19 | Advertising expenditures and selling, general, and administrative expenses (by vehicle types) | value indirectly | This year's Advertising expenditures and selling, general, and administrative expenses broken down into vehicle types | Sample Business Case: ABC company Advertising expenditures and selling, general, and administrative expenses (JPY: Millions) Minivan 30,000 | Provided once a year according to the fiscal term. | | It measures the effect of the marketing strategy by vehicle types. |
| 20 | Number of winning awards | To understand a company's technical strength and development capability. | Number of winning awards from the third party and external evaluation institute | Sample Business Case: ABC company Region 2000-2004 2005-2009 Japan - \(\Delta \Delta \) award winning U.S. \(\OO \) award winning - Europe | Provided once a year according to the fiscal term. | | It provides the evidence that differentiated products are accepted in the market. |

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|-----|---------------------------------|--|--|--|--|-----------------------------|---|
| | | To understand a company's value of intellectual assets based on reemployees' technical experiences | Reemployees / Retirees | | Provided once a year according to the fiscal term. | | It shows the progress of technical succession to the next generation employees. |
| 22 | Overall Equipment Efficiency | a company to shorten the lead time | Availability Ratio ^{*1} x Performance Ratio ^{*2} x Quality Ratio Ex) *1: (loading time – down time) / loading time (=operating time - non-operating time) *2: (Ideal Cycle Time × Actual Amount Produced) / Available Time (=loading time - non-operating time) | Sample Business Case: ABC company 2009 Overall Equipment Efficiency (OEE) 86.5% | Provided once a year according to the fiscal term. | | It simply shows a company's productivity and quality in production process. |
| 23 | 1 : | a company to provide vehicles of stable | A measure of what percentage of products were produced right the first time without off-line rework. | Sample Business Case: ABC company 2009 First-pass rate 99% | Provided once a year according to the fiscal term. | | It shows the efficiency of production line. |
| 24 | Carbon emissions | To understand a company's capacity to address environmental issues | Emissions = Activity data x Emissions factor | Sample Business Case: ABC company Year 2009 Carbon emissions 2.3158 million tons of CO2 | Provided once a year according to the fiscal term. | None | It shows a company's efforts to curb global warming. |