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633 Venture Companies entered the 100 Billion Won Club

- The Korean MSS announced the findings of the “2020 100 Billion Won Venture Companies Report”
- As of the end of 2020, 62 new companies including Seegene (COVID-19 diagnostic kit manufacturer) entered the 100 Billion Won Venture Companies Club, resulting in a total of 633 companies
 - The number of companies from Healthcare·Pharmaceuticals, Software Development and IT Service industries increased by 10 and 8, respectively, as these industries showed growth due to the COVID-19
- The number of employees and sales of 100 Billion Won Venture Club were about 242,000 people and 151 trillion Won, placing these companies second and fourth, respectively, on the list in the Korean economy; they have placed themselves as a major pillar in the Korean economy

The Ministry of SMEs and Startups (Minister KWON Chil-seung, hereafter referred to as “MSS”) announced the “2020 100 Billion Won Venture Companies Report” that analysed the employment, sales, exports, R&D, and industrial property rights of 633 companies that were considered 100 Billion Won Venture Club as of the end of 2020.

* Target : 633 companies with sales of at least KRW 100 billion in 2020 out of 116,778 companies that were identified as venture companies at least once since the implementation of the Venture Identification System (1998)

1. 633 Venture Companies Have Sales of KRW 100 Billion or More as of the End of 2020

As of the end of 2020, the number of 100 Billion Won Venture Club was 633, which is 16 more than that of the end of 2019. 62 new companies reached KRW 100 billion in sales in 2020, and 46 companies were dropped from the list. The highest number of new companies came from the fiber and other manufacturing industries that included mask manufacturers, with 16 new companies from that sector, followed by healthcare and pharmaceutical companies related to COVID-19 diagnostics with 11 new companies. The highest number of companies that were dropped from the list was from the machinery, automobile, and metals companies, with 14 companies that were dropped.

Amongst these companies, 17 companies entered the One Trillion Won Club. Companies that newly joined the list were the COVID-19 diagnostic kit manufacturer SD Biosensor (Sales of KRW 1.48 trillion) and Seegene (Sales of KRW 1.07 trillion).

By industry, it was found Healthcare and Pharmaceuticals, and Software Development and IT Services companies that experienced growth due to the COVID-19 increased in number by 10 and 8 companies, respectively, as expected.

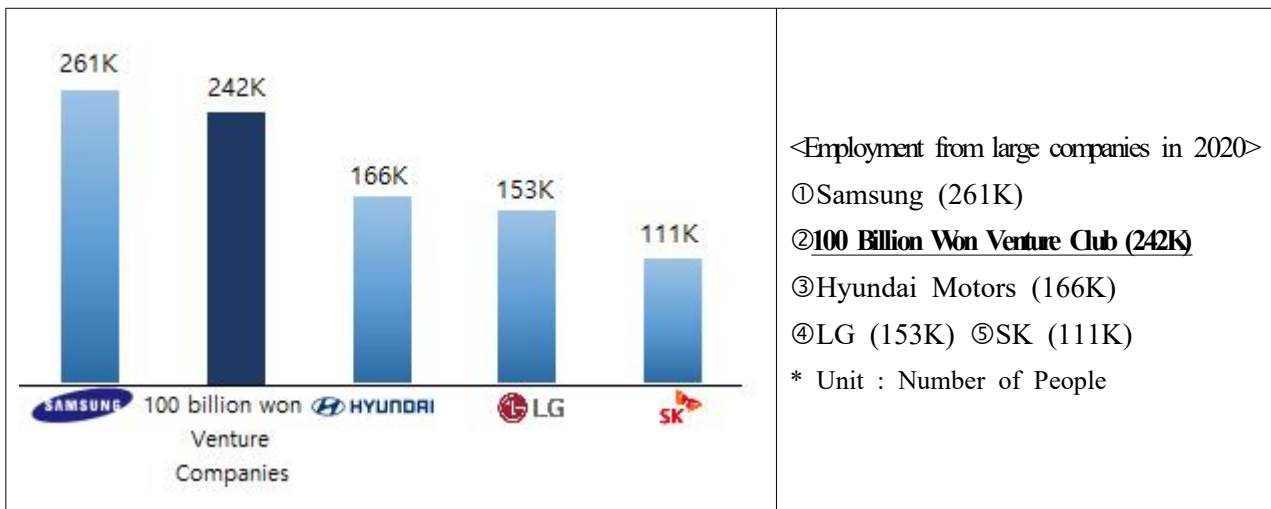
The average of 100 Billion Won Venture Club's history was 25.6 years. By industry, Software Development and IT Services companies were the youngest one with an average of 17.2 years, whereas machine, automobile, and metals companies were the oldest one with an average of 31.2 years. The average amount of time to reach KRW 100 billion in sales was 17.5 years since their establishment.

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Major Findings from the Analysis

1. Total number of 242,000 employees, which is increased by 8,668 compared to the last year, equivalent to the 2nd on the list in the Korean Economy

The total number of employees of 100 Billion Won Venture Club increased by 8,668 (3.7%) from last year to 242,000, placing second on the list in the Korean economy. The average number of employees per company was 387.9.



	2021 (100 Billion Won Venture Club 2020)	End of 2019 (Number)	End of 2020 (Number)	Change (%)
Total Employment	624*	233,362	242,030	8,668 people (3.7%)
Average Employment		374.0	387.9	13.9 people (3.7%)

* 624 companies that have recorded sales in December among 633 100 Billion Won Venture Club

By industry, Software Development and IT Services industries showed the highest growth in employment rates with 19.2%, followed by Healthcare and Pharmaceutical industries with 10.6%.

<Average Number of Workers in 100 Billion Won Venture Club of each Industry as of 2021>

Category		Number of Companies	Average Number of Workers		Change	
			End of 2019	End of 2020	Change (Number of People)	Change (%)
High-tech Manufacturing	Energy/Chemicals/Precision	54	341.3	351.1	9.8	2.9
	Healthcare/Pharmaceutical	38	485.4	537.0	54.6	10.6
	Computer/Semiconductors /Electronic Parts	112	349.8	350.3	0.5	0.1
	Communication/Broadcasting Devices	26	276.7	255.3	-21.4	-7.7
General Manufacturing	Machine/Automobiles/Metals	132	287.0	287.7	0.7	0.2
	Food and Beverages/Fiber/Non-metal/Other Manufacturing	102	320.4	317.5	-2.9	-0.9
High-tech Services	Software Development/IT Services	51	492.0	586.6	94.6	19.2
	Information and Communication Technology/Broadcasting Services	26	539.4	584.2	44.8	8.3
General Services	Wholesale and Retail/R&D Services/ Other Services	67	479.2	491.0	11.8	2.5
Other	Others	16	520.0	526.3	6.3	1.2
Total		624	374.0	387.9	13.9	3.7

* 624 companies that have recorded sales in December

606 100 Billion Won Venture Club in 2019 (Researched in 2020, as of the end of 2019) employed a total of 231,000 people, whereas 624 100 Billion Won Venture Club in 2020 (Researched in 2021, as of the end of 2020) employed a total of 242,000 people. This showed an increase of 10,533 people.

The company with the greatest increase in employment was the air purifier manufacturer Coway that employed 1,546 more people, followed by the e-commerce company Interpark that employed 1,125 more people.

Example	<ul style="list-style-type: none"> ▪ The number of employees at Coway in 2020 was 6,434, which is 1,546 more (31.6%) than last year, making it the company with the highest increase in the number of workers out of all 100 Billion Won Venture Club ▪ The company's automatic delivery service of air purifier filters in cooperation with Amazon received great responses due to the COVID-19 pandemic; the company was able to export its products to over 50 countries, allowing it to expand its business base and employ more people
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2. Total Sales of 100 Billion Won Venture Club is KRW 151 trillion, Placing Fourth on the List in the Korean Economy

Total sales of 100 Billion Won Venture Club reached KRW 151 trillion, an increase of approximately KRW 15 trillion from last year. When compared to large companies, these companies placed fourth on the list in the Korean economy, followed by SK. In particular, it is to be noted that Samsung, SK, and LG experienced a decrease in sales, whereas 100 Billion Won Venture Club showed a high increase of sales of 10.9%*.

* Comparison of the 2020 and 2019 sales of 624 companies that have recorded sales of both years out of 633 100 Billion Won Venture Club 2020



	2021 (100 Billion Won Venture Club 2020)	End of 2019 (KRW 100 million)	End of 2020 (KRW 100 million)	Change (%)
Total Sales	624	1,363,072	1,511,711	10.9
Average Sales		2,184	2,423	10.9

* 624 companies that have recorded sales in December

By industry, **Healthcare and Pharmaceutical industries showed the highest increase of sales compared to last year** (KRW 163.4 billion→KRW 290.3 billion, an increase of KRW 126.9 billion, or 77.7%), followed by Software Development and IT services, and Information and Communication Technology and Broadcasting Services industries.

<Average Sales of 100 Billion Won Venture Club of Each Industry in 2020 and 2021>

5 Categories	10 Subcategories	Average Sales (KRW 100 million)		Change	
		End of 2019	End of 2020	Change (KRW 100 million)	Change (%)
High-tech Manufacturing	Energy/Chemicals/Precision	2,245	2,235	-10	-0.4
	Healthcare/Pharmaceutical	1,634	2,903	1,269	77.7
	Computer/Semiconductors /Electronic Parts	2,096	2,299	203	9.7
	Communication/Broadcasting Devices	2,539	2,331	-208	-8.2
General Manufacturing	Machine/Automobiles/Metals	2,148	2,135	-13	-0.6
	Fiber/Non-metal/Other Manufacturing	1,662	1,844	182	11.0
High-tech Services	Software Development/IT Services	2,892	3,752	860	29.7
	Information and Communication Technology/Broadcasting Services	3,601	3,995	394	10.9
General Services	Wholesale and Retail/R&D Services/ Other Services	2,338	2,526	188	8.0
Other	Others	1,762	1,771	9	0.5
Total		2,184	2,423	239	10.9

* 624 companies that have recorded sales in December

The total sales of 624 companies of 100 Billion Won Venture Club 2020 were KRW 151.1 trillion (as of the end of 2020), increased by KRW 11.4 trillion (8.2%), from sales of 606 companies of 100 Billion Won Venture Club 2019 which were KRW 139.8 trillion (as of the end of 2019).

The company that showed the largest growth in sales was SD Biosensor, a manufacturer of COVID-19 diagnostic kits, with an increase of KRW 1 trillion and 404.2 billion in sales compared to last year. It was followed by Seegene, a manufacturer of COVID-19 diagnostic drugs, with an increase of KRW 971.4 billion.

Example	<ul style="list-style-type: none"> ▪ Sales for SD Biosensor in 2020 was KRW 1.4779 trillion, an increase of KRW 1.4042 trillion, or 1,905%, compared to last year; the company recorded the highest growth in sales among the 100 Billion Won Venture Club 2020 ▪ SD Biosensor successfully improved the accuracy of its Rapid COVID-19 Diagnostic Kits to 90%, and received emergency approval from the WHO for the first time in the world in September 2020, allowing the company to mass-provide its products to countries around the world
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DOBU Mask recorded the highest growth rate in sales with 3,475%, followed by the increased sales rate of COVID-19 sample collection testing kit manufacturer Noble Biosciences with 3,012%.

3. 100 Billion Won Venture Club Have Better Growth and Profitability than Large Companies

100 Billion Won Venture Club showed better management performance than large companies, middle-market enterprises, and SMEs. Large companies and middle-market enterprises experienced sales decreases of 4.6% and 3.5%, respectively, whereas the 100 Billion Won Venture Club showed a high average sales growth of 10.9%.

Their ratio of net profit to net sales, which is calculated by dividing the net profit by sales, was 7.3%, which was two times higher than that of large companies (3.0%) and middle-market enterprises (3.7%). The company with the highest ratio of net profit to net sales was the secondary cell material manufacturer EcoPro with 177.8%, followed by the diagnostics drug kit manufacturer Abbott Diagnostics Korea with 90.1%.

The debt ratio for 100 Billion Won Venture Club was 70.5%, which was lower than those of not only SMEs but also large companies and middle-market enterprises.

<Growth, Profitability, and Stability of 100 Billion Won Venture Club 2021 and other Company Groups>
(Unit: %)

Categories	Subcategories	Large Companies	Middle-market Enterprises	SMEs	All 100 Billion Won Venture Club
Growth	Total Asset Growth	5.4	4.4	12.5	16.0
	Tangible Asset Growth	2.8	2.0	12.8	7.0
	Sales Growth	-4.6	-3.5	3.9	10.9
Profitability	Ratio of Operating Profit to Net Sales	4.8	5.0	3.5	10.6
	Ratio of Net Profit to Net Sales	3.0	3.7	2.6	7.3
	Net Income to Stockholders' Equity Ratio	3.8	5.7	6.1	11.0
Stability	Stockholders' Equity to Total Assets	50.7	52.0	37.6	58.6
	Debt Ratio	97.3	92.4	166.3	70.5
	Current Ratio	135.7	136.7	147.4	147.5

※ Source : Bank of Korea (October 2021)

4. Exports of 100 Billion Won Venture Club Occupy 5.5% of Total Exports of Korea

The total exports of 100 Billion Won Venture Club were approximately KRW 33 trillion (average of approximately KRW 67.4 billion per company). Although the number of companies with records of exports from 100 Billion Won Venture Club is 484, accounting for 0.5% of the total 98,771 export companies in Korea, their exports occupy 5.5% of the entire exports in the country (KRW 594.8 trillion). By industry, the average amount of exports from the Healthcare and Pharmaceutical industries was the highest with KRW 167.8 billion.

<Average Exports of 100 Billion Won Venture Club in 2020 and 2021>

(Unit: Number of Companies, KRW 100 billion)

5 Categories	10 Subcategories	2020 (100-Billion-Won Venture Club 2019)		2021 (100-Billion-Won Venture Club 2020)	
		Number of Companies	Average Exports	Number of Companies	Average Exports
		High-tech Manufacturing	Energy/Chemicals/Precision	55	703
Healthcare/Pharmaceutical	27		723	34	1,678
Computer/Semiconductors/Electronic Parts	99		1,094	107	1,040
Communication/Broadcasting Devices	23		663	24	486
General Manufacturing	Machine/Automobiles/Metals	127	635	111	634
	Fiber/Non-metal/Other Manufacturing	81	327	84	359
High-tech Services	Software Development/IT Services	18	61	17	112
	Information and Communication Technology/Broadcasting Services	12	13	11	29
General Services	Wholesale and Retail/R&D Services/Other Services	42	235	37	260
Other	Other	10	47	9	44
Total		494	608	484	674

* 100-Billion-Won Venture Club with records of exports

5. 100 Billion Won Venture Club own 11.9% of Industrial Property Rights in Korea, and Invest Four Times More than SMEs in R&D

100 Billion Won Venture Club owned 66,140 industrial property rights, which account for 11.9% of the total 557,256 industrial property rights in Korea. It was found that each company has an average of 104.6 industrial property rights.

<Average Industrial Property Rights of 100 Billion Won Venture Club in 2020 and 2021>

Categories	2020 (100 Billion Won Venture Club 2019, 617 companies)	2021 (100 Billion Won Venture Club 2020, 633 companies)
Patent Rights	45.8	44.8
Utility Model Rights	0.7	0.6
Design Rights	10.6	12.0
Trademark Rights	45.3	47.2
Total	102.3	104.6

* All 100 Billion Won Venture Club

The average percentage of R&D costs to sales of the 100 Billion Won Venture Club was 3.1%, which was higher than that of large companies with 1.8% and middle-market enterprises with 1.2%. In particular, it was about four times higher than that of SMEs with 0.8%, which can lead to the conclusion that these companies put in great efforts for innovative growth based on technological developments.

By industry, the average percentage of R&D costs of Information Communication Technology and Broadcasting Services industries was 7.9%, and that of Healthcare and Pharmaceutical industries was 7.5%, meaning that these companies focus more on R&D than other industries.

<Average R&D Costs for 100 Billion Won Venture Club 2021>

(Unit: Number of companies, KRW 100 billion, %)

Categories	10 Subcategories	Number of Companies	Average R&D Costs	Percentage of R&D Costs to Sales
High-tech	Energy/Chemicals/Precision	54	42	1.9
	Healthcare/Pharmaceutical	38	219	7.5
Manufacturing	Computer/Semiconductors/Electronic Parts	112	95	4.1
	Communication/Broadcasting Devices	26	104	4.5
General Manufacturing	Machine/Automobiles/Metals	132	37	1.7
	Fiber/Non-metal/Other Manufacturing	102	15	0.8
High-tech Services	Software Development/IT Services	51	139	3.7
	Information and Communication Technology/Broadcasting Services	26	318	7.9
General Services	Wholesale and Retail/R&D Services/Other Services	67	11	0.4
Other	Other	16	16	0.9
Total		624	75	3.1

* 624 companies that have recorded sales in December