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Press Release

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Preliminary Results of the Survey of Business Activities in 2022

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Preliminary Results of the Survey of Business Activities in 2022

- In 2022, the number of survey target enterprises was 13,825 entities, rising by 2.8% from 13,448 entities in 2021.
- In 2022, the number of workers in survey target enterprises was 4.981 million persons, which grew by 1.3% from 4.917 million persons in 2021.

<Table> Number of enterprises and workers by industry

(Unit: each, thousand persons, %)

Industry sections	Number of enterprises			Number of workers			Number of regular workers			
	2021	2022	Percent change	2021	2022 (A)	Percent change	2021	2022 (B)	Percent change	Share (B/A*100)
All industries	13,448	13,825	2.8	4,917	4,981	1.3	4,305	4,334	0.7	87.0
Manufacturing	6,150	6,235	1.4	2,020	1,988	-1.6	1,932	1,891	-2.1	95.1
Electricity, Gas, Steam and Air Conditioning Supply	70	69	-1.4	38	38	-0.1	38	38	-0.2	98.6
Construction	589	582	-1.2	300	343	14.4	154	165	7.1	48.0
Wholesale and Retail Trade	1,588	1,684	6.0	432	444	2.8	405	406	0.3	91.4
Transportation and Storage	699	726	3.9	255	305	19.6	243	249	2.5	81.7
Accommodation and Food Service Activities	345	344	-0.3	160	180	12.4	133	139	4.6	76.9
Information and Communications	1,261	1,340	6.3	339	352	3.7	323	336	4.1	95.5
Real Estate Activities	290	280	-3.4	72	73	1.4	66	66	0.2	90.8
Professional, Scientific and Technical Activities	698	712	2.0	161	169	5.0	152	160	5.0	94.6
Business Facilities Management and Business Support Services; Rental and Leasing Activities	633	649	2.5	606	569	-6.1	504	525	4.0	92.2
Arts, Sports and Recreation-related Services	337	329	-2.4	45	50	11.2	31	30	-3.8	59.6
Other industries	420	476	13.3	76	85	12.8	63	68	7.9	79.4
Financial and Insurance Activities	368	399	8.4	412	384	-6.8	262	262	0.0	68.3

- In 2022, the annual sales of survey target enterprises (excluding 'Financial and Insurance Activities') stood at 3,238 trillion won, rising by 17.4% from 2,760 trillion won in 2021.

<Table> Annual sales by industry and annual sales per enterprise

(Unit: trillion won, 100 million won, %)

Industry sections	Annual sales (trillion won)				Annual sales per enterprise (100 million won)			
	2020	2021	2022	Percent change	2020	2021	2022	Percent change
All industries (excluding 'Financial and Insurance Activities')	2,360	2,760	3,238	17.4	1,806	2,110	2,412	14.3
Manufacturing	1,377	1,644	1,910	16.2	2,238	2,673	3,063	14.6
Electricity, Gas, Steam and Air Conditioning Supply	56	65	98	49.7	8,282	9,321	14,153	51.8
Construction	174	177	209	17.8	3,117	3,011	3,588	19.2
Wholesale and Retail Trade	392	446	519	16.4	2,468	2,806	3,081	9.8
Transportation and Storage	90	123	164	32.9	1,241	1,762	2,255	28.0
Accommodation and Food Service Activities	28	31	39	26.2	773	903	1,144	26.6
Information and Communications	137	156	168	8.0	1,077	1,236	1,256	1.6
Real Estate Activities	15	15	16	6.0	525	529	581	9.8
Professional, Scientific and Technical Activities	38	41	44	8.1	546	589	624	5.9
Business Facilities Management and Business Support Services; Rental and Leasing Activities	34	37	42	12.0	544	591	645	9.2
Arts, Sports and Recreation-related Services	7	8	10	17.3	216	250	300	20.1
Other industries	13	15	19	27.2	322	364	409	12.2
Financial and Insurance Activities	814	789	1,217	54.2	22,539	21,448	30,507	42.2

<Figure> Trend in annual sales by year



- The net profit (before the corporate tax) recorded 197.3 trillion won in 2022, which fell by 25.0 trillion won from 222.3 trillion won in 2021.

- The net profit (before the corporate tax) per 1,000 won of annual sales recorded 60.9 won in 2022, which dropped by 19.7 won from 80.6 won in 2021.

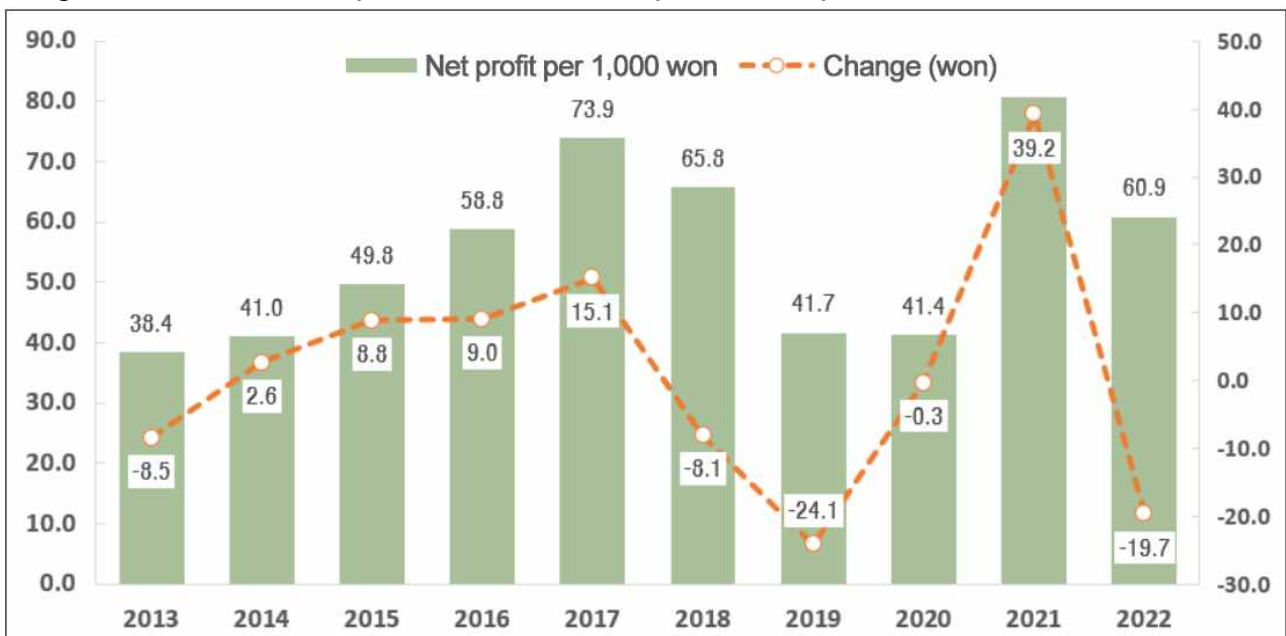
<Table> Net profit before the corporate tax by industry

(Unit: billion won, won, %)

Industry sections	Net profit before the corporate tax (billion won)				Net profit before the corporate tax per 1,000 won of annual sales (won)			
	2020	2021	2022	Change	2020	2021	2022	Change
All industries (excluding 'Financial and Insurance Activities')	97,693	222,331	197,340	-24,991	41.4	80.6	60.9	-19.7
Manufacturing	61,532	143,515	121,455	-22,060	44.7	87.3	63.6	-23.7
Electricity, Gas, Steam and Air Conditioning Supply	3,342	1,744	3,048	1,304	59.4	26.7	31.2	4.5
Construction	9,976	13,032	11,102	-1,930	57.4	73.5	53.2	-20.3
Wholesale and Retail Trade	9,535	15,474	15,316	-158	24.3	34.7	29.5	-5.2
Transportation and Storage	807	13,348	24,710	11,362	9.0	108.4	150.9	42.5
Accommodation and Food Service Activities	-3,660	84	999	915	-131.9	2.7	25.4	22.7
Information and Communications	10,491	25,157	12,622	-12,535	76.7	161.4	75.0	-86.4
Real Estate Activities	1,515	2,143	2,111	-32	98.9	139.7	129.7	-10.0
Professional, Scientific and Technical Activities	2,829	4,487	1,894	-2,593	75.1	109.2	42.6	-66.6
Business Facilities Management and Business Support Services; Rental and Leasing Activities	907	1,209	1,130	-79	26.5	32.3	27.0	-5.3
Arts, Sports and Recreation-related Services	-115	1,112	1,793	681	-16.2	132.2	181.7	49.5
Other industries	532	1,026	1,159	133	40.1	67.1	59.6	-7.5
Financial and Insurance Activities	47,063	66,331	69,921	3,590	57.8	84.0	57.4	-26.6

- The net profit (before the corporate tax) per 1,000 won of annual sales recorded 60.9 won in 2022, which dropped by 19.7 won from 80.6 won in 2021.

<Figure> Trend in net profit before the corporate tax per 1,000 won of annual sales



- Among survey target enterprises, enterprises with subsidiaries amounted to 6,164 entities in 2022, rising by 2.6% from 6,006 enterprises in 2021.

<Table> Enterprises with subsidiaries

(Unit: each, %)

Industry sections	Year	Number of enterprises	Number of enterprises with subsidiaries		Number of enterprises with domestic subsidiaries		Number of enterprises with overseas subsidiaries	
			Number of subsidiaries	Share	Number of enterprises	Share	Number of enterprises	Share
All industries	2021	13,448	6,006	44.7	4,602	76.6	3,329	55.4
	2022	13,825	6,164	44.6	4,747	77.0	3,394	55.1
	Percent change	2.8	2.6		3.2		2.0	
Manufacturing	2021	6,150	3,126	50.8	2,095	67.0	2,205	70.5
	2022	6,235	3,113	49.9	2,094	67.3	2,162	69.5
	Percent change	1.4	-0.4		0.0		-2.0	
Wholesale and Retail Trade	2021	1,588	581	36.6	468	80.6	278	47.8
	2022	1,684	630	37.4	510	81.0	314	49.8
	Percent change	6.0	8.4		9.0		12.9	
Information and Communications	2021	1,261	649	51.5	561	86.4	269	41.4
	2022	1,340	710	53.0	617	86.9	309	43.5
	Percent change	6.3	9.4		10.0		14.9	

- Among survey target enterprises, enterprises with overseas subsidiaries amounted to 3,394 entities in 2022, which grew by 2.0% from 3,329 enterprises in 2021.

<Table> Number of domestic and overseas subsidiaries

(Unit: each, %)

Industry sections	Enterprises with domestic subsidiaries						
	Number of enterprises		Number of subsidiaries			Number of subsidiaries per enterprise	
	2021	2022	2021	2022	Percent change	2021	2022
All industries	4,602	4,747	15,237	16,239	6.6	3.3	3.4
Manufacturing	2,095	2,094	5,066	5,109	0.8	2.4	2.4
Electricity, Gas, Steam and Air Conditioning Supply	29	29	236	254	7.6	8.1	8.8
Construction	258	255	1,202	1,241	3.2	4.7	4.9
Wholesale and Retail Trade	468	510	1,394	1,560	11.9	3.0	3.1
Transportation and Storage	187	191	519	547	5.4	2.8	2.9
Accommodation and Food Service Activities	86	85	221	228	3.2	2.6	2.7
Information and Communications	561	617	2,119	2,332	10.1	3.8	3.8
Real Estate Activities	114	113	379	407	7.4	3.3	3.6
Professional, Scientific and Technical Activities	226	220	582	552	-5.2	2.6	2.5
Other industries	384	404	979	1,041	6.3	2.5	2.6
Financial and Insurance Activities	194	229	2,540	2,968	16.9	13.1	13.0

Industry sections	Enterprises with overseas subsidiaries						
	Number of enterprises		Number of subsidiaries			Number of subsidiaries per enterprise	
	2021	2022	2021	2022	Percent change	2021	2022
All industries	3,329	3,394	9,586	9,813	2.4	2.9	2.9
Manufacturing	2,205	2,162	6,026	6,000	-0.4	2.7	2.8
Electricity, Gas, Steam and Air Conditioning Supply	18	18	80	81	1.3	4.4	4.5
Construction	121	124	449	454	1.1	3.7	3.7
Wholesale and Retail Trade	278	314	938	1,018	8.5	3.4	3.2
Transportation and Storage	63	68	349	374	7.2	5.5	5.5
Accommodation and Food Service Activities	37	33	101	80	-20.8	2.7	2.4
Information and Communications	269	309	711	778	9.4	2.6	2.5
Real Estate Activities	24	23	39	39	0.0	1.6	1.7
Professional, Scientific and Technical Activities	133	148	360	379	5.3	2.7	2.6
Other industries	86	91	200	219	9.5	2.3	2.4
Financial and Insurance Activities	95	104	333	391	17.4	3.5	3.8

○ Overseas subsidiaries were mainly located in China (24.7%), the United States (15.4%) and Vietnam (12.0%).

<Table> Countries of overseas subsidiaries

(Unit: each, %)

Classification	Number of subsidiaries		Composition	Percent change	Classification	Number of subsidiaries		Composition	Percent change		
	2021	2022				2021	2022				
Total	9,586	9,813	100.0	2.4	Sub-total	1,842	2,009	20.5	9.1		
Asia	Sub-total	6,462	6,469	65.9	0.1	America	United States	1,376	1,516	15.4	10.2
	China	2,495	2,420	24.7	-3.0	Canada	74	83	0.8	12.2	
	Vietnam	1,138	1,174	12.0	3.2	Mexico	173	186	1.9	7.5	
	Japan	422	426	4.3	0.9	Brazil	107	107	1.1	0.0	
	India	425	426	4.3	0.2	Others	112	117	1.2	4.5	
	Indonesia	371	386	3.9	4.0	Sub-total	1,065	1,115	11.4	4.7	
	Hong Kong	298	291	3.0	-2.3	Europe	Germany	177	188	1.9	6.2
	Singapore	244	273	2.8	11.9	United Kingdom	139	153	1.6	10.1	
	Thailand	198	196	2.0	-1.0	Russia	116	114	1.2	-1.7	
	Malaysia	167	165	1.7	-1.2	Poland	107	112	1.1	4.7	
	Philippines	127	131	1.3	3.1	Others	526	548	5.6	4.2	
	Others	577	581	5.9	0.7	Others	217	219	2.2	0.9	

□ The research and development expenditures of enterprises (excluding 'Financial and Insurance Activities') amounted to 73.5 trillion won in 2022, which increased by 10.8% from 66.3 trillion won in 2021.

<Table> Research and development expenditures

(Unit: each, billion won, %)

Industry sections	Year	Number of survey target enterprises		Number of enterprises with research and development expenditures		Research and development expenditures	Research and development expenditures per enterprise with research and development expenditures
			Annual sales per enterprise		Annual sales per enterprise		
All industries (excluding 'Financial and Insurance Activities')	2021	13,080	211.0	6,896	280.9	66,316	9.6
	2022	13,426	241.2	7,214	313.4	73,508	10.2
	Percent change	2.6	14.3	4.6	11.6	10.8	6.3
Manufacturing	2021	6,150	267.3	4,895	296.7	60,459	12.4
	2022	6,235	306.3	5,001	335.2	67,258	13.4
	Percent change	1.4	14.6	2.2	13.0	11.2	8.1

The enterprises outsourcing their business amounted to 9,467 entities in 2022, falling by 3.6% from 9,822 enterprises in 2021.

○ As for enterprises outsourcing their business by industry, 'Real Estate Activities' and 'Accommodation and Food Service Activities' dropped by 14.0% and 9.2%, respectively, from 2021.

<Table> Enterprise outsourcing their business

(Unit: each, %, %p)

Industry sections	Number of enterprises outsourcing their business (multiple responses)			Share of the number of enterprises outsourcing their business		
	2021	2022	Percent change	2021	2022	Change
All industries	9,822	9,467	-3.6	73.0	68.5	-4.5
Manufacturing	5,117	4,938	-3.5	83.2	79.2	-4.0
Construction	367	363	-1.1	62.3	62.4	0.1
Wholesale and Retail Trade	1,107	1,083	-2.2	69.7	64.3	-5.4
Transportation and Storage	367	347	-5.4	52.5	47.8	-4.7
Accommodation and Food Service Activities	228	207	-9.2	66.1	60.2	-5.9
Information and Communications	867	847	-2.3	68.8	63.2	-5.6
Real Estate Activities	179	154	-14.0	61.7	55.0	-6.7
Other industries	1,333	1,262	-5.3	61.8	56.5	-5.3
Financial and Insurance Activities	257	266	3.5	69.8	66.7	-3.1

Among survey target enterprises, enterprises developing and utilizing the 4th industrial revolution-related technologies amounted to 1,961 entities in 2022, rising by 1.9% from 1,924 enterprises in 2021.

<Table> Number of enterprises 'developing and utilizing the 4th industrial revolution-related technologies'

(Unit: each)

Year	Total	Manufacturing	Electricity, Gas, Steam and Air Conditioning Supply	Construction	Wholesale and Retail Trade	Transportation and Storage
2021	1,924	746	13	41	188	40
2022	1,961	736	15	43	192	42
Change	37	-10	2	2	4	2

Year	Accommodation and Food Service Activities	Information and Communications	Real Estate Activities	Other industries	Financial and Insurance Activities
2021	22	577	11	189	97
2022	22	603	12	188	108
Change	0	26	1	-1	11

- As for the 4th industrial revolution-related technologies that enterprises mainly developed and utilized, 'Cloud computing' occupied the largest share at 23.4%, which was followed by 'Big data' (18.8%), 'Artificial intelligence' (16.2%) and 'Internet of things' (13.2%).

<Table> Number of enterprises 'developing and utilizing the 4th industrial revolution-related technologies' by technology sector

(Unit: each, %)

Year	Number of enterprises	Total	Technology (multiple responses)			
			Internet of things	Cloud computing	Big data	5G mobile phone
2021	1,924	3,796	504	852	718	372
2022	1,961	3,831	507	896	720	328
Share		100.0	13.2	23.4	18.8	8.6

Year	Technology (multiple responses)				
	Artificial intelligence	Blockchain	3D printing	Robotics	Virtual augmented reality
2021	539	155	191	248	217
2022	620	142	172	253	193
Share	16.2	3.7	4.5	6.6	5.0