

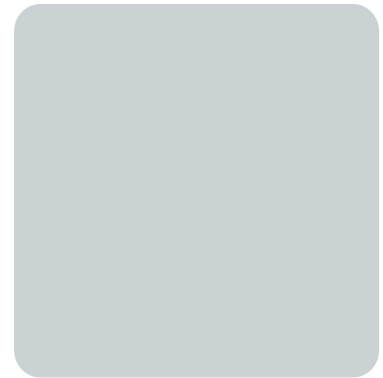
DNA
PLUS

회사명 () (Jusung Engineering Co.,Ltd.)

사업자번호 124-81-29001

대표자

작성일 2021 03 24



유의사항

가
[] , () ,
가 () (:02-2101-9100) 가 () 가 www.ecredible.co.kr

() (Jusung Engineering Co.,Ltd.)			
124-81-29001		130111-0033281	BB
(12773)	240		
031-760-7000			
1995 04 13			C-
2020 12 31		2021 03 24	
2021 03 24 ~2022 03 23			

	가			가			Watch
	가			가			
2020/12/31	2021/03/24	BB	C-	-	-	-	2021 03 24
2016/12/31	2017/07/12	BBB-	A	2017/11/20	BBB	A	
2015/12/31	2016/06/14	BB-	C+	2017/01/03	BB	C+	

			(%)	(%)
	408	LG	24	24.6
		SK ()	18	2.0
		()	3	1.8
	24,125		1	0.4
	KEB	SK	0	71.2

(:)

2020/12/31	548,954	322,295	226,658	118,525	-25,677	-5,758
2019/12/31	441,493	201,931	239,562	254,491	29,575	25,746
2018/12/31	354,090	152,213	201,877	262,699	41,029	43,725

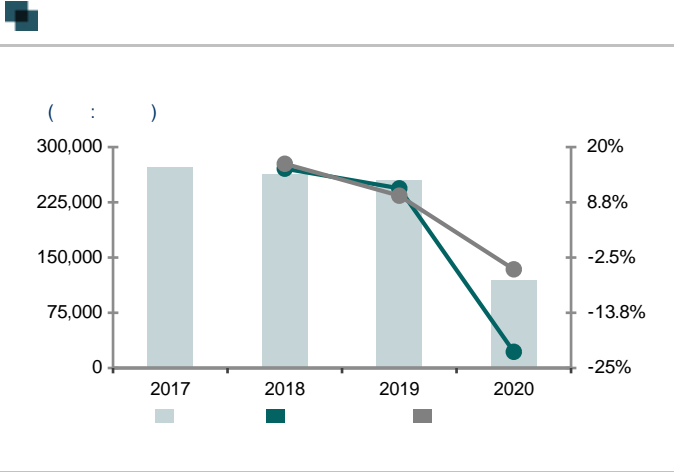
(:%)

2020/12/31	-53.4	-21.7	-4.9	85.4	142.2	21.3
2019/12/31	-3.1	11.6	10.1	83.9	84.3	22.7
2018/12/31	-3.6	15.6	16.6	218.8	75.4	17.1

	()			(%)			(%)		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	131,791	102,149	128,532	37.2	23.1	23.4	-6.2	-22.5	25.8
	49,076	50,179	73,408	13.9	11.4	13.4	-50.9	2.2	46.3
	82,714	51,969	55,124	23.4	11.8	10.0	103.6	-37.2	6.1
	222,299	339,344	420,421	62.8	76.9	76.6	29.6	52.7	23.9
	7,758	105,534	170,864	2.2	23.9	31.1	15.2	1,260.3	61.9
	183,292	214,859	233,287	51.8	48.7	42.5	28.0	17.2	8.6
	6,132	4,452	5,393	1.7	1.0	1.0	-30.6	-27.4	21.1
	25,115	14,498	10,876	7.1	3.3	2.0	96.5	-42.3	-25.0
	354,090	441,493	548,954	100.0	100.0	100.0	13.5	24.7	24.3
	60,221	121,756	150,495	17.0	27.6	27.4	-5.7	102.2	23.6
	91,991	80,174	171,800	26.0	18.2	31.3	46.5	-12.8	114.3
	152,213	201,931	322,295	43.0	45.7	58.7	20.2	32.7	59.6
	24,124	24,124	24,124	6.8	5.5	4.4	0.0	0.0	0.0
	109,008	109,008	109,008	30.8	24.7	19.9	0.0	0.0	0.0
	0	0	0	0.0	0.0	0.0	-	-	-
	9,195	26,238	23,527	2.6	5.9	4.3	-21.0	185.4	-10.3
	59,549	80,191	69,998	16.8	18.2	12.8	46.8	34.7	-12.7
	201,877	239,562	226,658	57.0	54.3	41.3	8.9	18.7	-5.4
	354,090	441,493	548,954	100.0	100.0	100.0	13.5	24.7	24.3

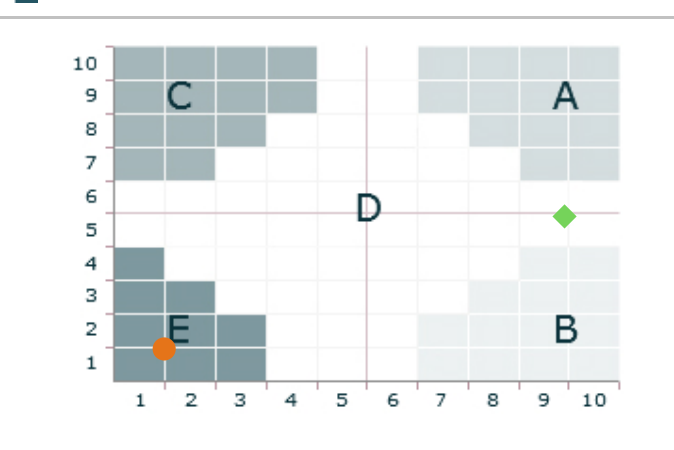
	()			(%)			(%)		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	262,699	254,491	118,525	100.0	100.0	100.0	-3.6	-3.1	-53.4
가	147,820	146,477	67,173	56.3	57.6	56.7	-6.1	-0.9	-54.1
	0	0	0	0.0	0.0	0.0	-	-	-
	0	0	0	0.0	0.0	0.0	-	-	-
	0	0	0	0.0	0.0	0.0	-	-	-
	0	0	0	0.0	0.0	0.0	-	-	-
	114,879	108,014	51,352	43.7	42.4	43.3	-0.2	-6.0	-52.5
	73,849	78,439	77,030	28.1	30.8	65.0	-0.2	6.2	-1.8
	41,029	29,575	-25,677	15.6	11.6	-21.7	-0.4	-27.9	
	4,756	6,429	42,808	1.8	2.5	36.1	-24.2	35.2	565.9
	1,355	7,392	18,826	0.5	2.9	15.9	-72.6	445.5	154.7
	44,430	28,611	-1,696	16.9	11.2	-1.4	4.5	-35.6	
	0	0	0	0.0	0.0	0.0	-	-	-
	43,725	25,746	-5,758	16.6	10.1	-4.9	7.9	-41.1	

() 1995 4	2020 12	, 1999 12
, 2014 7 24,125		
226,658		548,954
408		



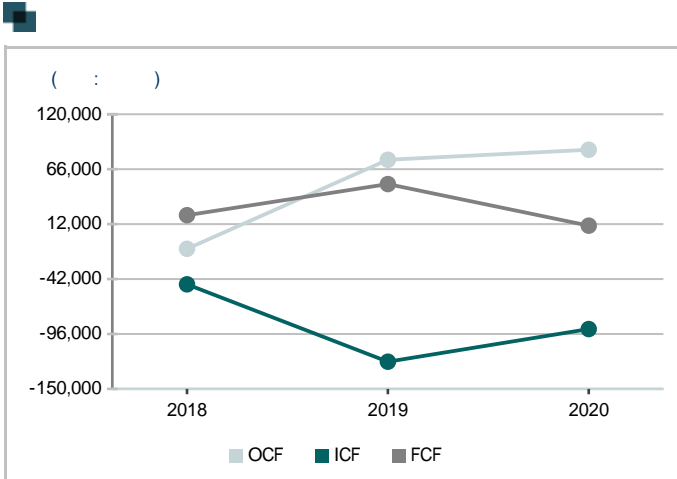
(: ,%)

	2017	2018	2019	2020
	272,535	262,699	254,491	118,525
	52.0	-3.6	-3.1	-53.4
	41,174	41,029	29,575	-25,677
	13.6	15.6	11.6	-21.7
	40,533	43,725	25,746	-5,758
	11.5	16.6	10.1	-4.9

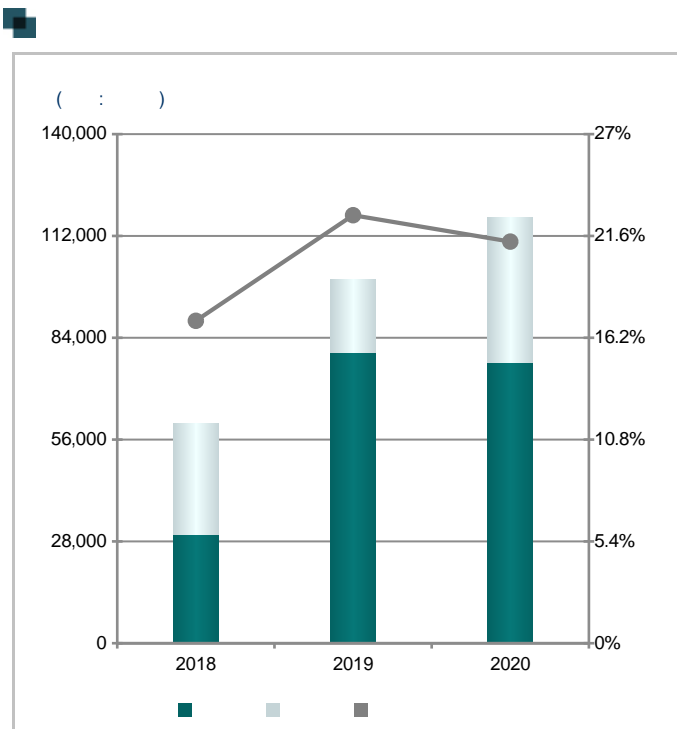


	2019	2020
	D	E
	50%~60%	10%
	10%~20%	10%

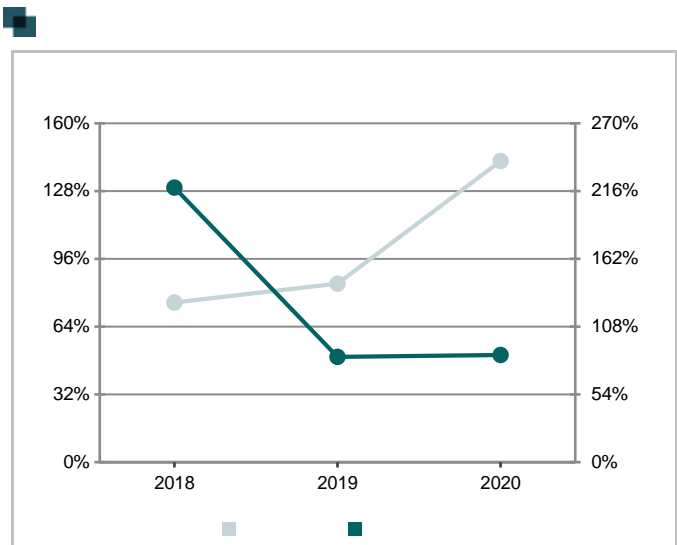
Type	()	가
A Type	()	가
B Type	()	
C Type	()	
D Type	()	
E Type	()	



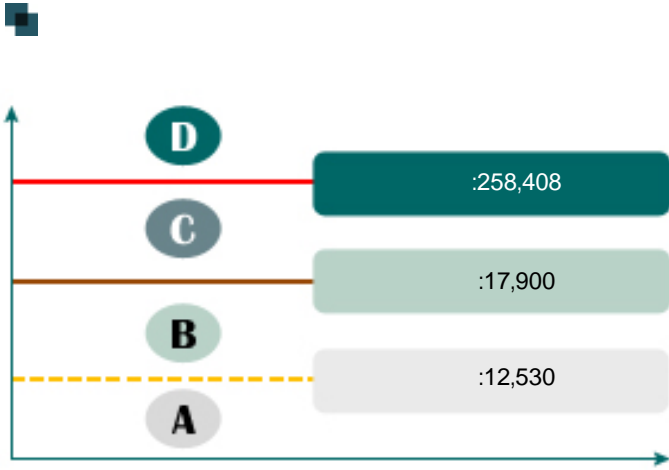
	2018	2019	2020
OCF: Ordinary Cash Flow	-12,268	75,242	85,089
ICF: Investing Cash Flow	-47,205	-123,269	-91,160
FCF: Financing Cash Flow	20,752	51,352	10,484
			C-



	2018	2019	2020
	60,500	100,000	117,182
	30,000	80,000	77,182
	0	0	0
	0	0	0
	30,000	80,000	77,182
	0	0	0
	0	0	0
	30,500	20,000	40,000
	30,500	20,000	40,000
(%)	17.1	22.7	21.3



	2018	2019	2020
(%)	218.8	83.9	85.4
ECR (%)	211.5	192.2	192.2
(%)	75.4	84.3	142.2
ECR (%)	214.7	220.5	220.5
EBITDA ()	413.0	221.8	-2.3
ECR ()	8.4	8.0	8.0



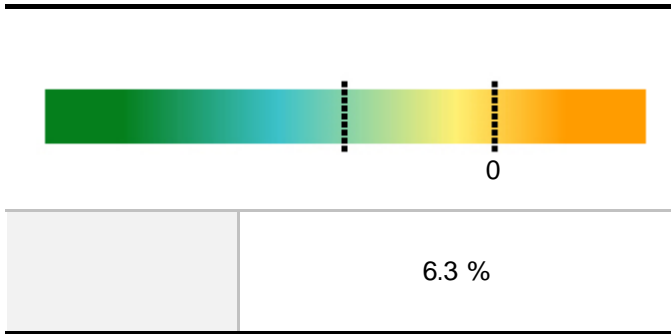
		2020	
		C	
	()		
	258,408		141,226
	17,900		-99,282
	12,530		-104,652
	117,182		

- 1) : (,)
- 2) :
- 3) : , (60%~70%)
- 4) :

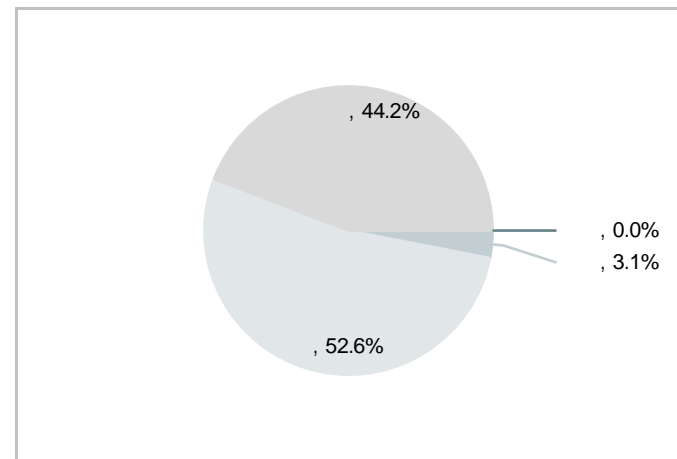
A Type	가
B Type	가
C Type	가
D Type	가

가

가	2020	53.4%	118,525
가	가		25,677
가	가		가
142.2%,	21.3%		
(2021 03 17)	60,000	(40,000 , 20,000)	
62,731	3,377		

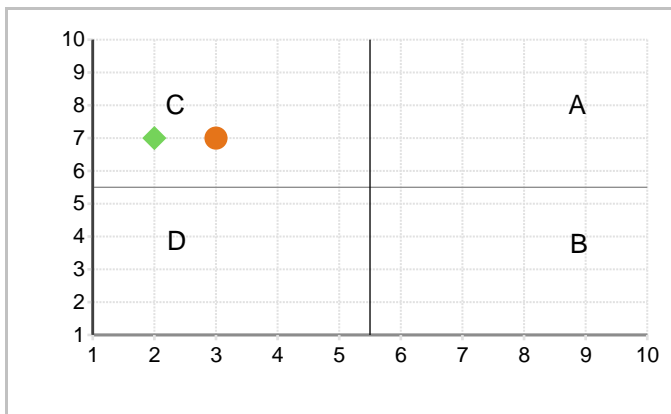


가	[60 ~ 70%]
가 가 가	



		()	(%)
	10	81,668	44.2
	5	97,158	52.6
	5	5,697	3.1
	5	86	0.0
	25	184,609	100.0

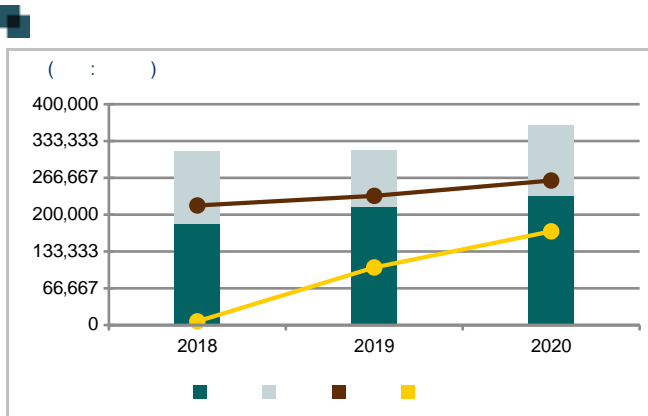
* : AAA~A : BBB~BB : B : CCC



	2019	2020
	C	C

가	10
가	가

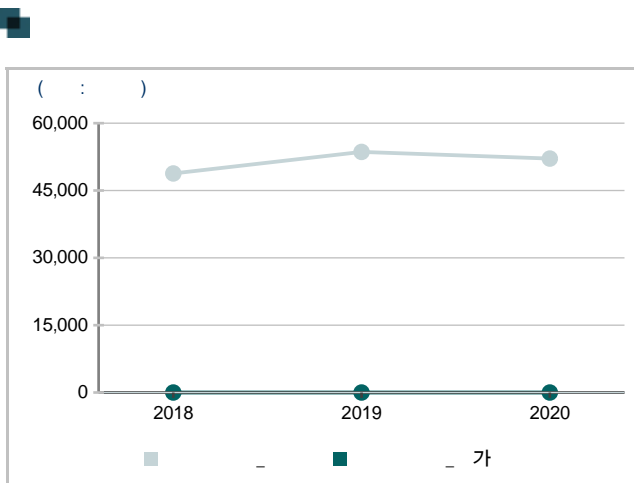
A Type	가
B Type	가
C Type	가
D Type	가



	2018	2019	2020
()	354,090	441,493	548,954
(%)	13.5	24.7	24.3
()	131,791	102,149	128,532
(%)	-6.2	-22.5	25.8
()	183,292	214,859	233,287
(%)	28.0	17.2	8.6

	2018	2019	2020
	102,477	93,808	76,700
	20,090	17,473	96,817
	11,161	4,923	49,313
	82,894	117,868	38,998
	216,622	234,072	261,828

	2018	2019	2020
	0	0	0
가	0	0	0
	6,791	6,900	9,821
	0	97,493	159,961
	6,791	104,393	169,782



	2018	2019	2020
	1,289	447	0
	0	0	0
	48,799	53,598	52,116
	48,799	53,598	52,116
가	0	0	0
	50,088	54,045	52,116
(%)	-2.4	7.9	-3.6

	2020	ECR				
가 (%)	14.4	28.0				
(%)	7.4	79.2				
(%)	3.4	30.8				
(%)	0.2	1.2				



(2021 03 24)

()			
(12773)	240		
031-760-7000			031-799-1670
(12773)	240		
031-760-7000			031-799-1670
()	1995 04 13		KEB
	124-81-29001		130111-0033281
()			
	www.jseng.com	e-mail	
	(C29270)		
()			
	408 [(103) / (193) / (112)]		
		가	

(2021 03 23)

	240		
031-760-7000			031-799-1670
가 (O) () () ()			() 0 / 0
	() () () (O)		

	가		
100%	0%	100%	0%

- : 가 - :
 - 가 : 가 - :

(2021 03 23 , :)

		가	
	0	54,431	
	0	16,532	



1995/04			()
1997/07			
1999/12			
2008/11	IR	()	
2010/10	2	2010	" "
2011/05	"	300	"
2012/11		SDP CVD	
2014/05	NXP	(30)	
2017/01		25	
2020/02	R&D		
2014/07		24,125	



(: 2020 12 31 , :)

()	()		301-81-33437
	7,210		1,106
	995		11,740
	(), (), (), (O), () /		

(: 2020 12 31 , :)

	Jusung Shanghai		
()	()		
	2,929		568
	535		758
	(), (O), (), (), () /		

(: 2020 12 31 , :)

	Jusung America		
()	()		
	493		68
	68		948
	(), (O), (), (), () /		



1 :

			591202
	031-760-****		
	1995 04 01		2011
	25 11		1985 02
			()
2019/10~			()
2018/01~	가		()
2015/01~			()
2010/01~			()
1995/04~	()		()

(2021 03 23)

		591202			가 , ()
					KAIST
				가	
					, ()

(2021 03 23)

가()	()	
500	48249	24,124

(: , %)

		5,934	24.6
		482	2.0
		434	1.8
		96	0.4
	가	17,176	71.2
		24,124	100.00

()		()
		72,457
		45,793
		275
		118,525
	118,525	(2020 12 31)

()		(2020 01 01 ~ 2020 12 31)	
		(%)	()
()	201-81-45685	19	40,958
	121-83-00561	7	14,605
	129-83-00662	6	11,994
()	214-81-89369	5	10,865
()	301-81-33437	5	10,354
()	211-88-51844	3	5,504
()	121-81-35936	3	5,371
()	124-87-54050	2	5,032
	120-82-00052	2	4,620
()	129-81-15730	2	4,354

		(2020 01 01 ~ 2020 12 31)	
		(%)	()
LG	120-81-55297	24	44,156
SK ()	126-81-03725	18	33,863
()	311-81-34108	3	5,500
	220-88-43431	1	2,472
SK	660-81-00626		792
()	301-81-33437		180
()	126-86-31245		143
LG	107-86-14075		81
		1	1,168
		52	95,934

	KEB			

(: , %)

	2021-03-17		2020-12-31		2020-09-30		2020-06-30		2020-03-31		2019-12-31	
	가		가		가		가		가		가	
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	40,000	66.7	40,000	66.7	40,000	66.7	40,000	76.9	40,000	80.0	20,000	100.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	20,000	33.3	20,000	33.3	20,000	33.3	12,000	23.1	10,000	20.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
가	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	60,000	100.0	60,000	100.0	60,000	100.0	52,000	100.0	50,000	100.0	20,000	100.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	60,000	100.0	60,000	100.0	60,000	100.0	52,000	100.0	50,000	100.0	20,000	100.0

(:)

	2021-03-17						2020-12-31					
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	40,000	0	0	0	0	0	40,000	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	40,000	0	0	0	0	0	40,000	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	40,000	0	0	0	0	0	40,000	0	0	0

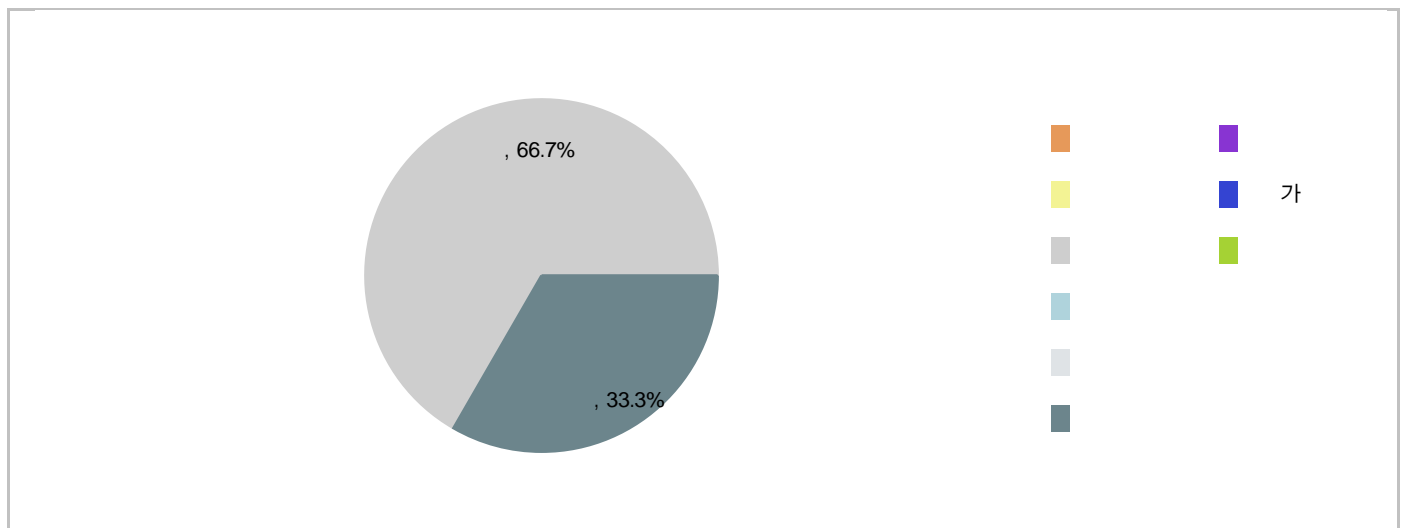


	2019-12-31		2020-12-31	
	가 ()	(%)	가 ()	(%)
	0	0.0	62,731	94.9
	14,492	100.0	0	0.0
	0	0.0	3,377	5.1
	0	0.0	0	0.0
	0	0.0	0	0.0
/	0	0.0	0	0.0
가	0	0.0	0	0.0
	0	0.0	0	0.0
	0	0.0	0	0.0
	0	0.0	0	0.0
	14,492	100.0	66,108	100.0



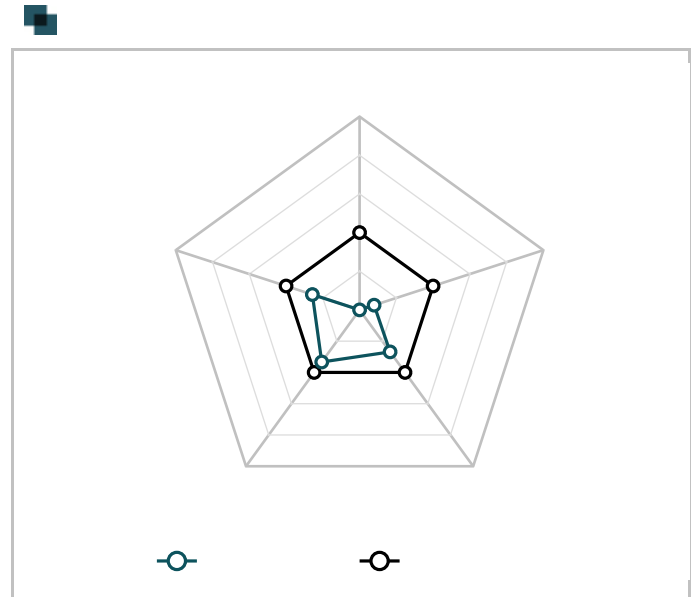
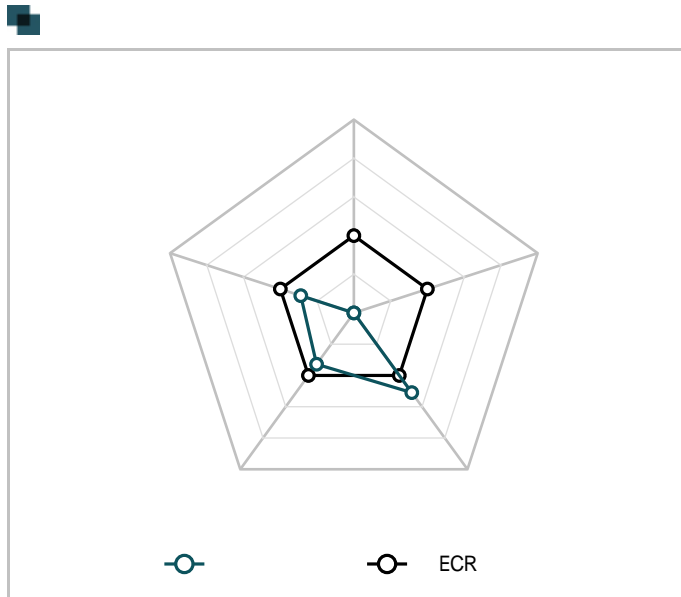
(2020 12 31)

	1	2	2	()
	0	0	0	0
	0	0	0	0
	0	40,000	0	40,000
	0	0	0	0
	0	0	0	0
	0	0	0	0
	20,000	0	0	20,000
	0	0	0	0
가	0	0	0	0
	0	0	0	0
	20,000	40,000	0	60,000



		2020		ECR				
	가 (%)	-53.4	-5.0	5.4				
	(%)	-4.9	4.8	3.3				
	(%)	-1.2	3.5	3.5				
	(%)	142.2	103.3	220.5				
	(%)	21.3	31.7	33.9				
	()	5.0	4.6	7.8				
	()	8.0	9.0	14.5				
	(%)	85.4	140.3	192.2				
	(%)	48.8	103.4	141.8				

가 ()



가 ECR 가 BBB
(, , , ,)
BBB

	()		(2018)	(2019)	(2020)	(2019)
(%)	/ x 100		218.8	83.9	85.4	140.3
(%)	/ x 100		81.5	41.2	48.8	103.4
(%)	/ x100		110.1	141.7	185.5	111.5
(%)	/(+)x100		75.6	106.1	105.5	80.9
(%)	/ x 100		75.4	84.3	142.2	103.3
(%)	/ x 100		17.1	22.7	21.3	31.7
(%)	/ x 100		57.0	54.3	41.3	49.2
(%)	/ x 100		400.4	284.0	124.8	199.9
(%)	/ x 100		15.6	11.6	-21.7	5.8
(%)	/ x 100		16.9	11.2	-1.4	6.4
(%)	/ x 100		16.6	10.1	-4.9	4.8
(%)	/ °x 100		13.3	7.2	-0.3	4.7
(%)	/ °x 100		13.1	6.5	-1.2	3.5
()	/ °		0.8	0.6	0.2	0.7
()	/ °		1.4	1.2	0.5	1.5
()	/(+ . -)°		1.0	1.0	0.4	0.9
()	/ °		6.8	9.7	5.0	4.6
()	/ °		13.4	33.7	8.0	9.0
가가 (%)	가가 / x100		22.2	17.4	14.4	31.5
(%)	가가 /(-) x 100		43.3	37.6	7.4	64.1
(%)	가가 / %100		17.5	11.2	3.4	19.8
가 (%)	가/(. -(+)+ 가)x100		4.6	6.3	2.4	10.8
가 (%)	(/ -1) x 100		13.5	24.7	24.3	5.0
가 (%)	(/ -1) x 100		-3.6	-3.1	-53.4	-5.0
가 (%)	(/ -1) x 100		7.9	-41.1		-6.0
가 (%)	(/ -1) x 100		28.0	17.2	8.6	4.7

* " " " "
 * " ° " (+) / 2 "
 *

(:)

	18/12/31	19/12/31	20/12/31		18/12/31	19/12/31	20/12/31
	CPA -	CPA -	CPA -		CPA -	CPA -	CPA -
1.	131,791	102,149	128,532	1.	60,221	121,756	150,495
1)	49,076	50,179	73,408		8,324	6,765	22,862
	9,837	13,163	17,577		30,000	80,000	77,182
	0	0	0		10,971	18,470	11,886
	0	0	0		997	1,153	1,063
	23,478	7,324	25,733		1,230	1,531	8,139
	9,852	11,889	2,808		2,550	4,353	23,882
가	0	0	0		7	376	14
	2,668	7,031	3,377		0	878	0
	17	18	17	가	0	0	0
	702	10,205	885		0	0	0
가/	2,413	547	444		0	0	0
	104	0	22,563		0	0	0
2)	82,714	51,969	55,124		0	0	3,366
	2,735	3,061	1,177		0	0	0
/	0	0	0		6,140	8,225	2,097
/	0	0	0	2.	91,991	80,174	171,800
	64,282	41,576	42,801		0	0	0
	0	0	0		0	0	0
/	15,696	7,331	11,145		30,500	20,000	40,000
	0	0	0		0	0	0
2.	222,299	339,344	420,421		0	0	0
1)	7,758	105,534	170,864		0	0	0
	967	1,140	1,081		77	263	6
	6,791	6,900	9,821		0	0	0
	0	0	0		61,414	59,910	131,793
	0	97,493	159,961		152,213	201,931	322,295
	0	0	0	1.	24,124	24,124	24,124
2)	183,292	214,859	233,287	2.	109,008	109,008	109,008
	102,477	93,808	76,700		109,008	109,008	109,008
	20,090	17,473	96,817		0	0	0
	71	56	272	가	0	0	0
	11,161	4,923	49,313		0	0	0
	0	0	0	3.	0	0	0
	0	0	0		0	0	0
	236	154	238		0	0	0
	48,367	96,817	1,634		0	0	0
	886	1,625	8,309	4.	9,195	26,238	23,527
3)	6,132	4,452	5,393	(+/-)	0	0	0
	0	0	0	가 (+/-)	-2,446	-2,360	-2,809
	1,289	447	0		11,641	28,599	26,337
	4,842	4,003	5,392	5.	59,549	80,191	69,998
4)	25,115	14,498	10,876		482	964	1,302
	702	626	555		0	0	0
	17,691	12,177	8,675		59,066	79,226	68,695
	0	0	0	()	43,725	25,746	-5,758
	6,721	1,694	1,645		201,877	239,562	226,658
	354,090	441,493	548,954		354,090	441,493	548,954

	18/01/01	19/01/01	20/01/01		18/01/01	19/01/01	20/01/01
	18/12/31	19/12/31	20/12/31		18/12/31	19/12/31	20/12/31
1.	262,699	254,491	118,525		0	0	0
	37,185	40,336	19,867	가	0	0	0
	215,449	199,420	80,227		1,347	3,178	1,404
	0	0	0		213	196	292
	0	0	0	가	0	0	0
	10,065	14,733	18,429	가	0	0	0
2. 가	147,820	146,477	67,173		0	0	0
가	18,986	15,595	8,869		0	576	1,153
가	124,204	122,338	52,076		0	0	0
가	0	0	0		0	0	0
가	0	0	0		0	0	0
가	4,629	8,542	6,227		0	0	0
3.	114,879	108,014	51,352		0	0	0
4.	73,849	78,439	77,030		0	0	0
	9,708	10,949	6,974		2,406	1,926	32,678
	906	1,013	712	7.	1,355	7,392	18,826
	845	719	1,065		106	147	4,439
	21	159	-57		0	0	4
	707	700	450		0	0	0
가	1,680	1,709	3,800	가	0	0	0
	199	224	65	가	0	0	0
	29	19	85		957	2,799	1,540
	801	1,105	1,921		34	299	625
	328	644	324		176	109	107
	0	0	0	가	0	0	0
	48,799	53,598	52,116	가	0	0	0
	-1	0	3,644		0	0	0
	0	0	0		0	2,575	489
	1,384	1,354	1,529		0	0	0
	4,243	5,051	8,279		0	0	0
	76	77	105		0	0	0
	156	279	173		0	0	0
	15	7	16		0	0	0
	212	124	135		79	1,461	11,620
	1,387	1,613	243	8.	44,430	28,611	-1,696
	177	148	62	9.	705	2,864	4,062
	412	270	116	10.	43,725	25,746	-5,758
	1,757	-1,334	-4,738	11.	0	0	0
5.	41,029	29,575	-25,677	()	0	0	0
6.	4,756	6,429	42,808	12.	43,725	25,746	-5,758
	326	247	155	13.	-	-	-
	205	34	102	(:)	0	0	0
	257	271	7,021	(:)	0	0	0

가 (:)

	18/01/01	19/01/01	20/01/01		18/01/01	19/01/01	20/01/01
	18/12/31	19/12/31	20/12/31		18/12/31	19/12/31	20/12/31
1.	0	0	0		0	0	0
2.	0	0	0		0	0	0
3.	0	0	0		0	0	0
4.	0	0	0		0	0	0
	0	0	0	()	0	0	0
가	0	0	0		0	0	0
/	0	0	0		0	0	0
	0	0	0	,	0	0	0
가	0	0	0		0	0	0
	0	0	0		0	0	0
	0	0	0		0	0	0
/	0	0	0		0	0	0
	0	0	0		0	0	0
	0	0	0	5. ()	0	0	0
	0	0	0	6. ()	0	0	0
	0	0	0	7. ()	0	0	0
가 /	0	0	0	8.	0	0	0
/	0	0	0	9. () 가	0	0	0

/ (:)

			18/12/31	19/12/31	20/12/31
			19/03/31	20/03/31	21/03/31
1.			59,066	79,226	68,695
1)			15,341	53,480	74,453
			35,263	53,759	75,510
			25,529	0	0
			0	0	0
			0	0	0
			5,606	-280	-1,057
2)			43,725	25,746	-5,758
2.			0	0	0
			59,066	79,226	68,695
3.			5,307	3,715	0
			482	337	0
			0	0	0
			0	0	0
			0	0	0
			4,824	3,377	0
			0	0	0
			0	0	0
4.			53,759	75,510	68,695

(:)

	19/12/31	20/12/31
	254,491	118,525
(-) (+)	14,117	-12,973
(+) (-)	2,104	26,136
가	-146,477	-67,173
(-) (+)	30,745	-3,155
(+) (-)	-1,558	16,097
(-)	-9,502	9,319
가 (가)(+)	0	0
	143,920	86,777
(-)	-78,439	-77,030
(-) (+)	1,866	102
(+) (-)	156	-90
(+)	4,871	2,117
	72,375	11,877
(+)	281	258
(-)	3,527	-1,438
(±)	-457	-1,332
	75,726	9,364
(-)	-147	-4,439
	75,579	4,924
	103	-22,562
	-1,342	75,227
	902	27,499
	75,242	85,089
(-) (+)	0	0
(-) (+)	0	0
(-) (+)	0	0
(-) (+)	3,137	-2,931
(-) (+)	-97,690	-65,778
(-) (+)	-35,275	-21,564
(-) (+)	1,455	-1,007
(-) (+)	5,102	120
	-48,027	-6,071
(-)	0	0
(+) (-)	50,000	-2,817
(+) (-)	-10,500	20,000
(+) (-)	15,230	-6,696
(-)	-3,377	0
	3,325	4,413
가 가 (-)	3,325	4,413
	795.0	45.8
	41.9	13.5

AAA	AAA		0.01%
AA	AA+	, AAA	가
	AA		
	AA-		
A	A+		0.5%
	A		
	A-		
BBB	BBB+		가
	BBB		
	BBB-		
BB	BB+	가	40%
	BB		
	BB-		
B	B+		가
	B		
	B-		
CCC	CCC+	가	92%
	CCC		
	CCC-		
CC	CC	가	94%
C	C	가	98%
D	D		100%
NCR	NCR	/	가

A (CR-1)	
B (CR-2)	
C+(CR-3)	가
C-(CR-4)	가
D (CR-5)	
E (CR-6)	
NF()	
NR()	3

WATCH

	가
	가
	가 (,)
	가 (,)
/	/ 가
	가
	()