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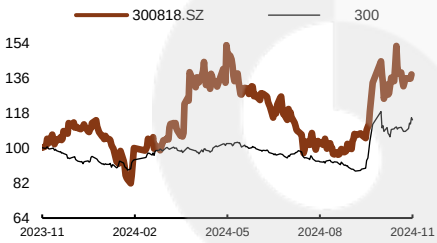
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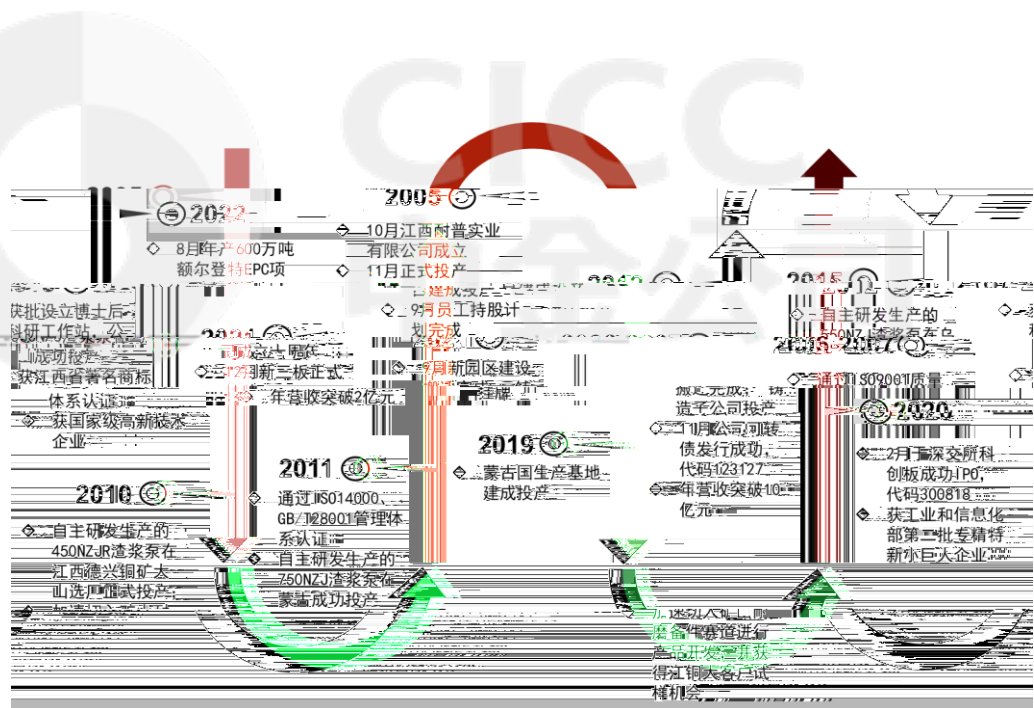
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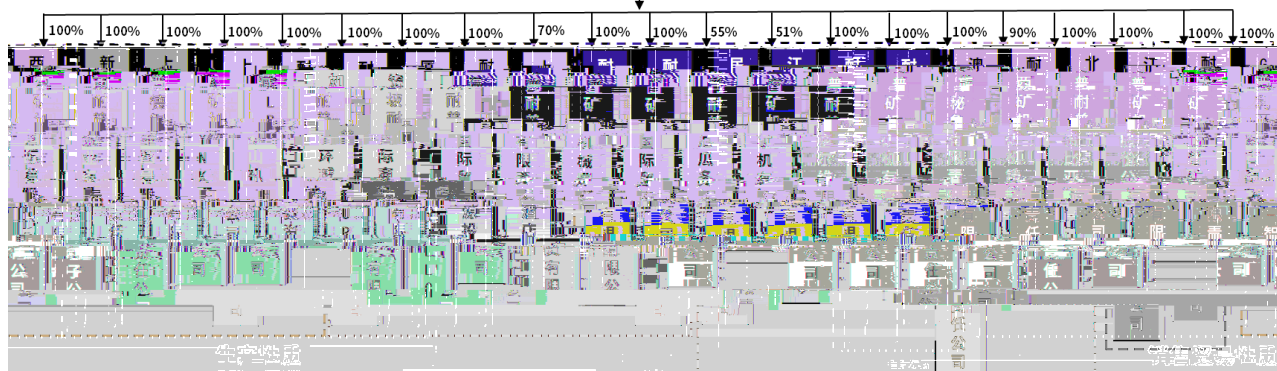
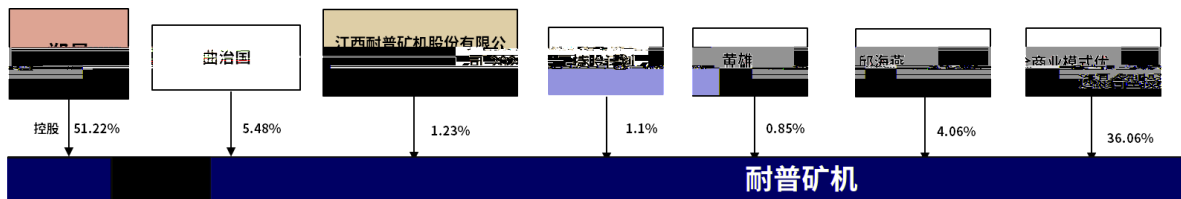


Wind

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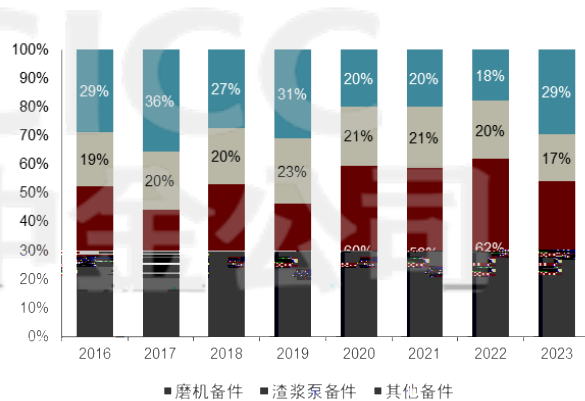
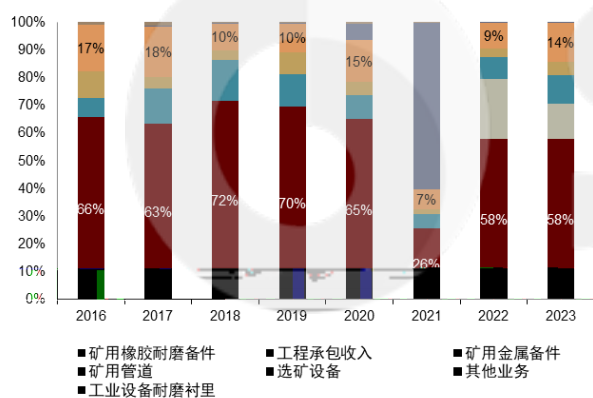


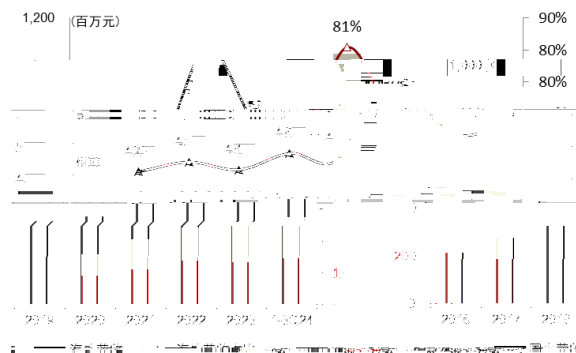
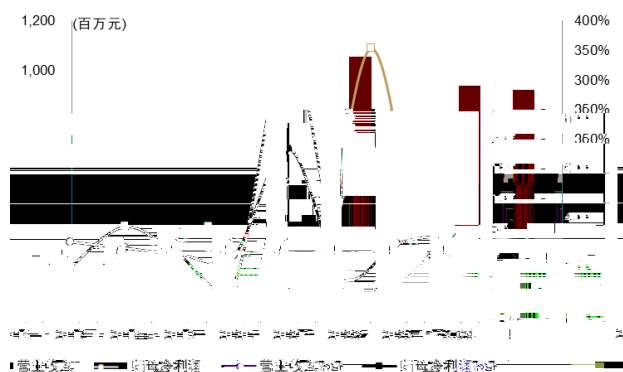


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	1991 7 11	1993 7 2008 7	2018		2011 5	1993 7 2020 5	2001 11 2011 5 2021 12			2008 7 2022 4	2011 4	2001	
	2005 9	2009 7 2015 7 2020 4	2016 7	2009 7	2011 7			2016 8	2017 3 2020 5	2011 7	2015 5	2018 9	
	1996 9	2006 6	2014 4		2016 6			2006 7	2013 10 2016 6			2013 10	2015 12
	1988 10	2005 12	2017 3			2006 1	2015 6	2015 6		2015 6	2017 3		
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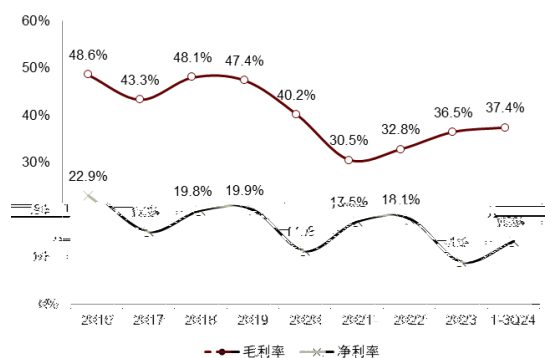
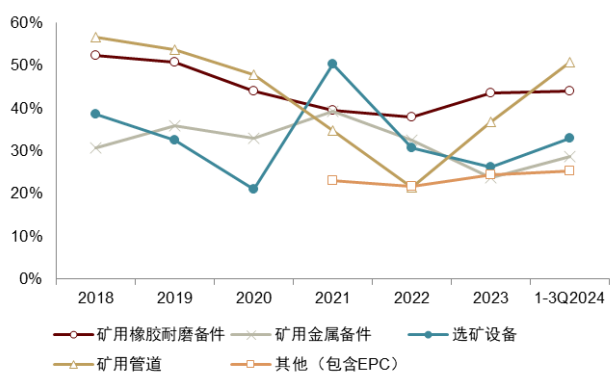


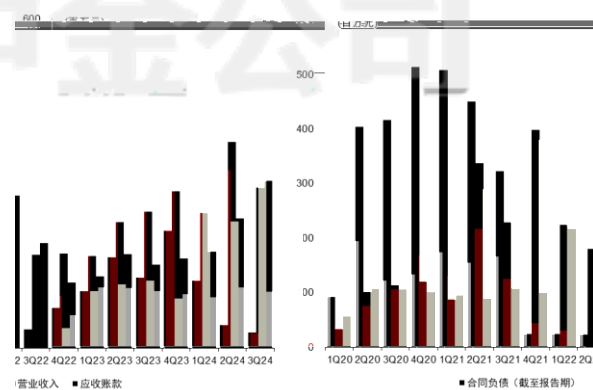
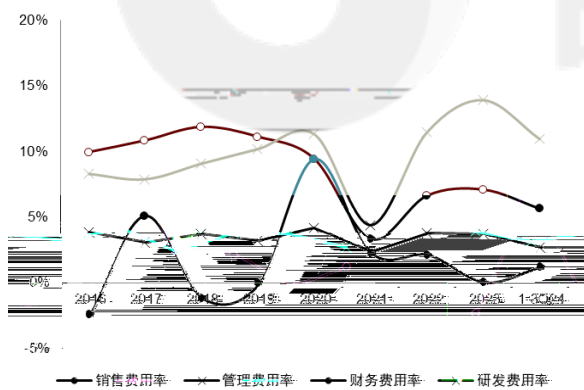
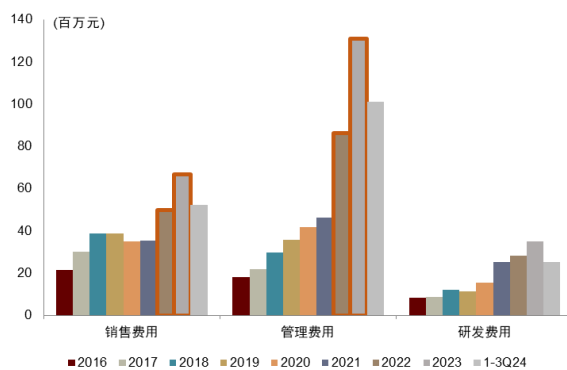
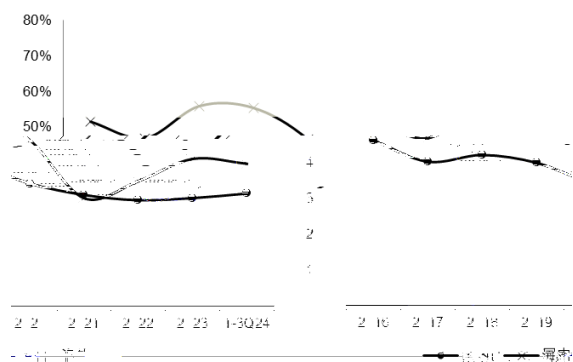
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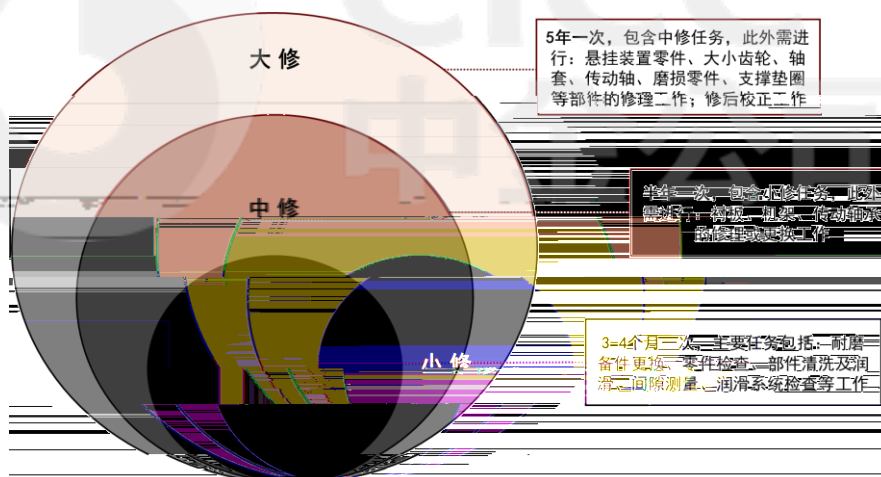




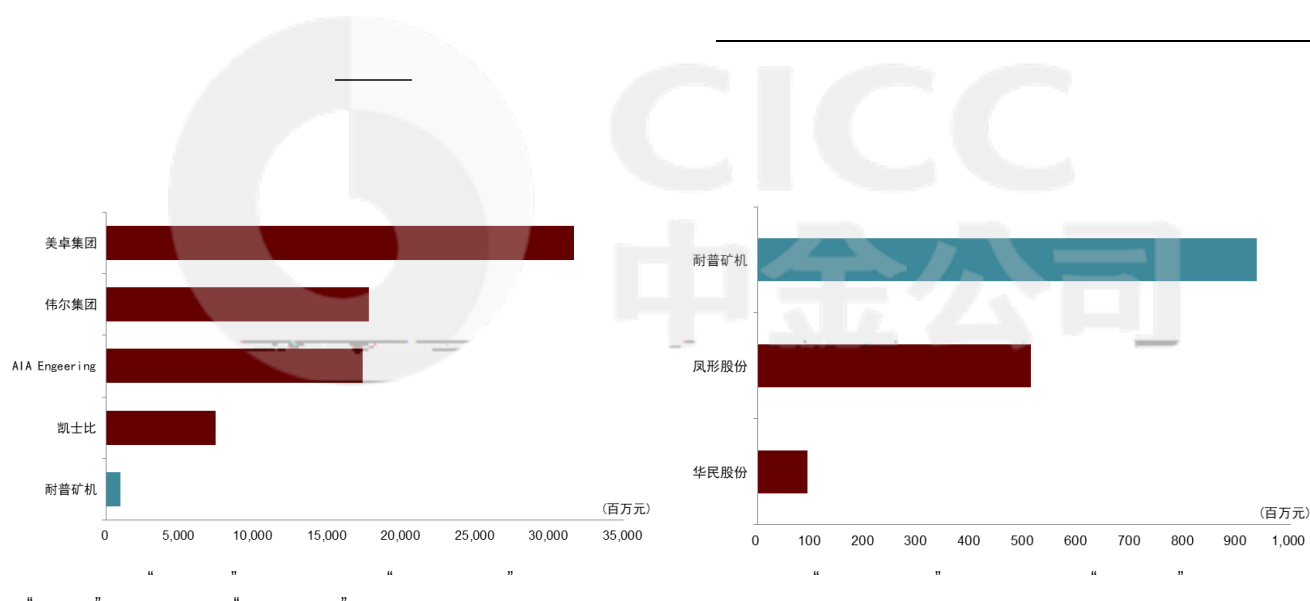
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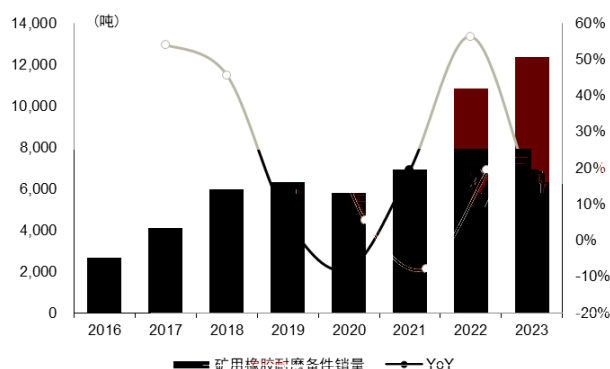
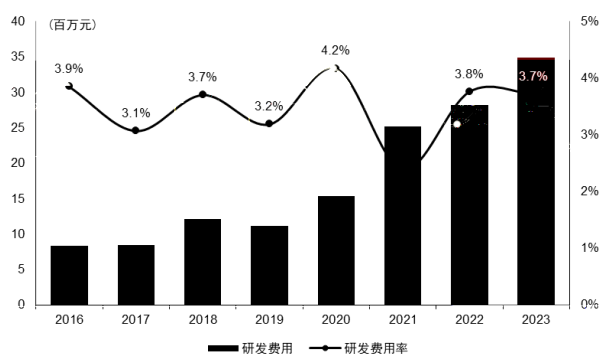
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[illegible]

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研发项目	项目目的	拟达到目标
矿山机械用耐磨高强钢的研发	完善现有贝氏体钢06C、06CA制备工艺，并推广应用；研发出高淬透性且适用于直径7.5米以上半自磨机筒体提升条的耐磨高强钢。	1. 使提升条的寿命比现在使用的 CrMo 钢提升条稳定提高30%。2. 使提升条的寿命比现在使用的 CrMo 钢提升条提高。
锻造高合金钢材料	锻造高合金钢材料，研发具有组织成分均匀性好、高强度、高硬度和高耐磨性等特点耐磨合金钢，应用于磨机衬板将大大提升其寿命。	锻造高合金钢材料，耐磨寿命相比ZG70CrMo提升≥40%。2. 锻造高合金钢GH6材料，耐磨寿命相比ZG70CrMo提升≥40%，且成本相比GH3材料降低。
产品省模时间	利用橡胶注射工艺生产产品，提高产品质量。	厚制品硫化效率30%-50%，对于难填胶模时间。
橡胶材料	有针对性的提高橡胶新材料某一种或者两种性能，从而提高橡胶在矿山设备上的使用寿命。	1. 耐油胶料配方开发，产品寿命提高30%。2. 配方开发，产品寿命提高30%。





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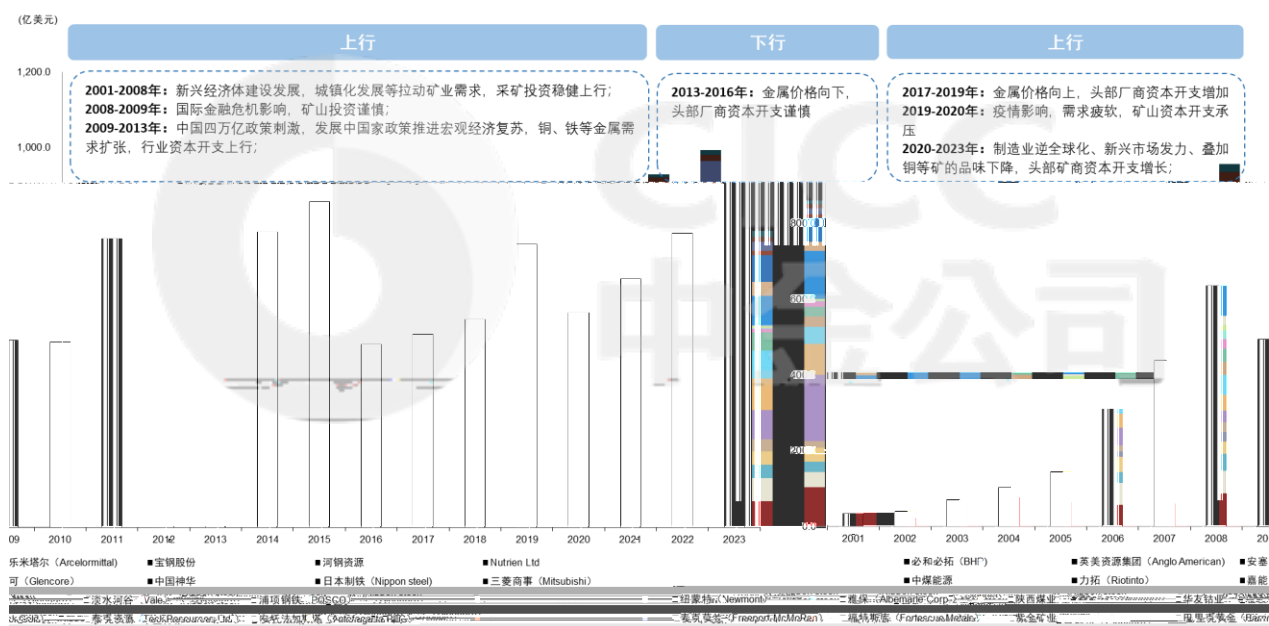
2023	1	3032.45	4	600					
2022	10	1628.96			2023	11	2023		
2019	12	1.26	/	200			2023	2024	



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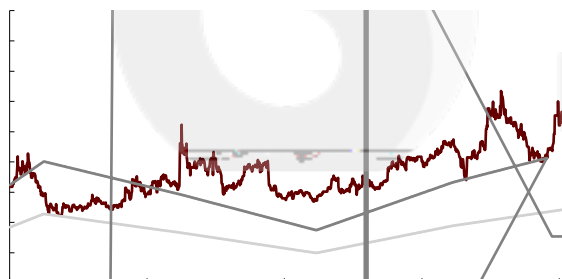




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	2021A	2022A	2023A	2024E	2025E
	269.0	432.5	542.4	745.5	943.3
	12%	61%	25%	37%	27%
	155.6	267.5	293.1	386.9	487.5
	9%	72%	10%	32%	26%
	56.4	87.6	89.6	103.0	123.7
	14%	55%	2%	15%	20%
	53.0	77.4	159.7	255.5	332.1
	12%	46%	106%	60%	30%
	-	163.8	120.7	200.0	100.0
	-	-	-26%	70%	-50%
	54.9	59.1	95.1	123.6	142.1
	75%	8%	61%	30%	15%
	19.0	21.2	45.7	41.1	51.4
	8%	12%	115%	-10%	25%
	76.7	70.7	131.8	118.6	148.3
	36%	-8%	86%	-10%	25%
(	632.3	1.1	2.1	2.5	3.0
	2986%	-100%	92%	20%	20%
	1053.0	748.5	937.8	1231.3	1388.1
	186%	-29%	25%	31%	13%
	39.5%	37.9%	43.7%	44.7%	45.7%
	23.2%	21.7%	24.5%	20.0%	20.0%
	39.4%	32.5%	23.8%	24.0%	25.0%
	34.8%	21.6%	36.9%	36.9%	36.9%
	50.3%	30.8%	26.2%	28.2%	29.2%
(	23.4%	25.5%	64.0%	40.9%	40.9%
(	16.7%	-	-	-	-
	38%	47%	36%	37%	40%

	2021A	2022A	2023A	2024E	2025E
	1,053	749	938	1,231	1,388
	-732	-503	-596	-779	-838
	321	245	342	453	550
	-4	-8	-7	-12	-13
	-35	-50	-67	-74	-83
	-46	-86	-131	-142	-160
	-25	-28	-35	-37	-42
	-24	-16	0	-27	-29
	0	-5	-13	0	0
	0	-1	-3	-1	-1
	2	4	3	5	5
	0	0	1	0	0
	0	89	0	0	0
	29	12	13	13	13
	217	157	102	178	240
	0	0	1	0	0
	-1	0	-2	0	0
	216	157	101	178	240
	-32	-22	-18	-27	-36
	0	-1	-3	-1	0
	184	134	80	151	204
	184	134	80	151	204
	27	49	70	76	87
	-37	128	304	-98	367
	-326	-276	-187	-388	-250
	-568	-106	-134	-417	-243
	382	16	-22	-94	-60
	-235	62	156	-610	64
	689	455	517	673	63
	455	517	673	63	127
	484	539	715	106	169
	11	18	24	32	36
	101	120	165	216	262
	202	241	253	361	389
	1,124	1,168	1,373	1,054	1,205
	40	38	36	36	36
	176	95	148	166	184
	794	922	1,015	1,328	1,493
	1,919	2,090	2,387	2,382	2,698
	260	463	616	506	645
	30	0	46	116	116
	545	359	427	409	410
	1,109	1,260	1,333	1,465	1,638
	1,919	2,090	2,387	2,382	2,698





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