



**2022**

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**2023 4 26**

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2022





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	2022	2021		2020
	6, 911, 881, 248. 07	6, 486, 301, 555. 77	6. 56%	6, 046, 017, 103. 97
	608, 407, 790. 49	567, 266, 618. 25	7. 25%	487, 379, 314. 51
	545, 856, 792. 63	469, 929, 479. 83	16. 16%	454, 291, 717. 87
	639, 235, 162. 17	673, 155, 789. 02	- 5. 04%	918, 991, 871. 40
/	0. 90	0. 85	5. 88%	0. 73
/	0. 87	0. 85	2. 35%	0. 73
	10. 41%	10. 73%	- 0. 32%	10. 19%
	2022	2021		2020
	9, 903, 392, 743. 45	9, 477, 921, 326. 36	4. 49%	8, 554, 641, 008. 78
	6, 118, 464, 755. 75	5, 541, 530, 866. 46	10. 41%	5, 021, 473, 036. 67



	782, 978, 152. 00
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	0. 00
/	0. 7770



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2022

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EPCN 10G GPON 10G Combo PON) BOSA  
CPRI /eCPRI 10G 25G 50G 100G  
10G 25G 50G 100G QSFP28 ACC  
DD /OSFP 16G/32G/64G FC  
10G 100G 400G  
400G DCO 800G combo PON

2022

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PD APD Si P FP DFB EML VCSEL  
COC  
MEMS

2022

2022 I ATF16949

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	2022		2021		
	6,911,881,248.07	100%	6,486,301,555.77	100%	6.56%
	6,904,323,533.04	99.89%	6,483,867,273.59	99.96%	6.48%
	7,557,715.03	0.11%	2,434,282.18	0.04%	210.47%
	3,657,051,012.35	52.91%	3,848,084,992.31	59.32%	-4.96%
	3,209,662,891.07	46.44%	2,601,578,546.66	40.11%	23.37%
	37,609,629.62	0.54%	34,203,734.62	0.53%	9.96%
	7,557,715.03	0.11%	2,434,282.18	0.04%	210.47%
	4,376,005,496.82	63.31%	4,367,633,478.43	67.34%	0.19%
	2,535,875,751.25	36.69%	2,118,668,077.34	32.66%	19.69%
	6,911,881,248.07	100.00%	6,486,301,555.77	100.00%	6.56%

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10%

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	6,904,323,533.04	5,274,511,078.46	23.61%	6.48%	7.30%	-0.58%
	3,657,051,012.35	2,547,450,876.33	30.34%	-4.96%	-7.63%	2.01%
	3,209,662,891.07	2,714,552,865.16	15.43%	23.37%	26.54%	-2.11%

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			2022	2021	
			21, 075. 27	23, 051. 24	- 8. 57%
			20, 536. 43	23, 379. 61	- 12. 16%
			2, 845. 94	3, 384. 78	- 15. 92%

30%

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		2022		2021		
		4, 186, 906, 894. 08	79. 30%	3, 976, 686, 049. 85	80. 88%	5. 29%
		899, 304, 138. 88	17. 03%	771, 933, 370. 21	15. 70%	16. 50%
		188, 300, 045. 50	3. 57%	167, 245, 833. 86	3. 40%	12. 59%
		5, 649, 492. 77	0. 11%	907, 804. 75	0. 02%	522. 32%

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2022 12

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	2, 872, 511, 745. 20
	38. 40%



	100G PAM4			
	6G AI 50G PON			
	ROADM			

	2022	2021	
	1,060	993	6.75%
	24.77%	22.97%	1.80%
	460	416	10.58%
	519	478	8.58%
30	336	298	12.75%
30-40	517	503	2.78%

	2022	2021	
	707,432,378.27	747,801,893.91	-5.40%
	10.24%	11.53%	-1.29%
	47,103,476.61	86,687,621.28	-45.66%
	6.66%	11.59%	-4.93%




2022

45.66%

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	2022	2021	
	7,755,360,176.92	7,272,475,695.45	6.64%
	7,116,125,014.75	6,599,319,906.43	7.83%
	639,235,162.17	673,155,789.02	-5.04%

- 85.52%

- 38.96%

78.25%

- 83.61%

455

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	é	é		é	2022'
	1, 577, 902, 19. 00	15. 93%	599, 394, 238. 38	16. 87%	- 99. 12%
	2, 330, 31, 779.	23. 51%	2, 200, 753, 373. 51	23. 22%	0. 31%
	58, 935, 330, 176	0. 05%	59, 359, 229, 500	0. 05%	0. 01%
	1, 282, 73-- 9' 51		, 1 s		

	17, 908, 482. 45	
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282 EB

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5G

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2027

5G

100G

200G

400G

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10G PON

5G

FTTR

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FTTR

Order a  
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FTTH

FTTR

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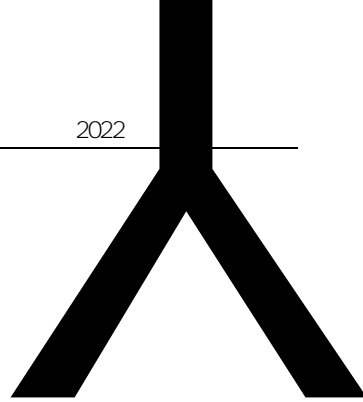
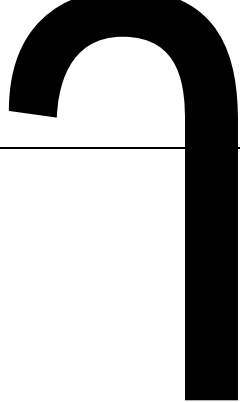
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5G

10G PON

400G 800G



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		42.17%	2022 09 13	2022 09 14	: 2022 061
		44.23%	2022 12 16	2022 12 17	: 2022 081

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54	2022	04	13	2025	09	12	306,200	0	0	0	306,200
51	2022	09	13	2025	09	12					
54	2022	09	13	2025	09	12					
48	2016	04	22	2025	09	12	60,562	0	0	0	60,562
49	2022	12	16								
	/2022	11	30								

/

				49	2011 02 24	2022 11 30	0	0	0	0	0	0	
	--	--	--	--	--	--	2,330,862	0	0	0	2,330,862	--	



CATV

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HRBP

## FTTH








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2011 3 18

2010



	54	136
	51	0
	54	0
	48	0
/	49	129
	57	0
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	54	0
	51	0
	46	0
	54	0
	39	12.9
	54	115
	56	128 V
	57	129
	45	99.2
	46	116.05 V

			59		4.76	
			58		4.76	
			57		4.76	
			47		4.76	
			55		0	
			57		0	
			48		17.3	
			54		10.1	
			33		9.4	
	--	--	--	--	1,163.19	--

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	2022 01 04	2022 01 05	: 2022 001]			[
	2022 01 27	2022 01 28	: 2022 008]			[
	2022 03 18	2022 03 19	2022 013]			[ :]
	2022 04 13	2022 04 15	2022 021]			[ :]
	2022 04 21	2022 04 22	: 2022 035]			[
	2022 04 27	2022 04 28	: 2022 038]			[
	2022 08 10	2022 08 11	: 2022 046]			[
	2022 08 24	2022 08 26	2022 052]			[ :]
	2022 08 25	2022 08 26	: 2022 059]			[
	2022 09 13	2022 09 14	062]			[ : 2022
	2022 10 27	2022 10 28	067]			[ : 2022
	2022 11 30	2022 12 01	: 2022 071]			[

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2022 03 2021  
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2022 04 2021  
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1 2022

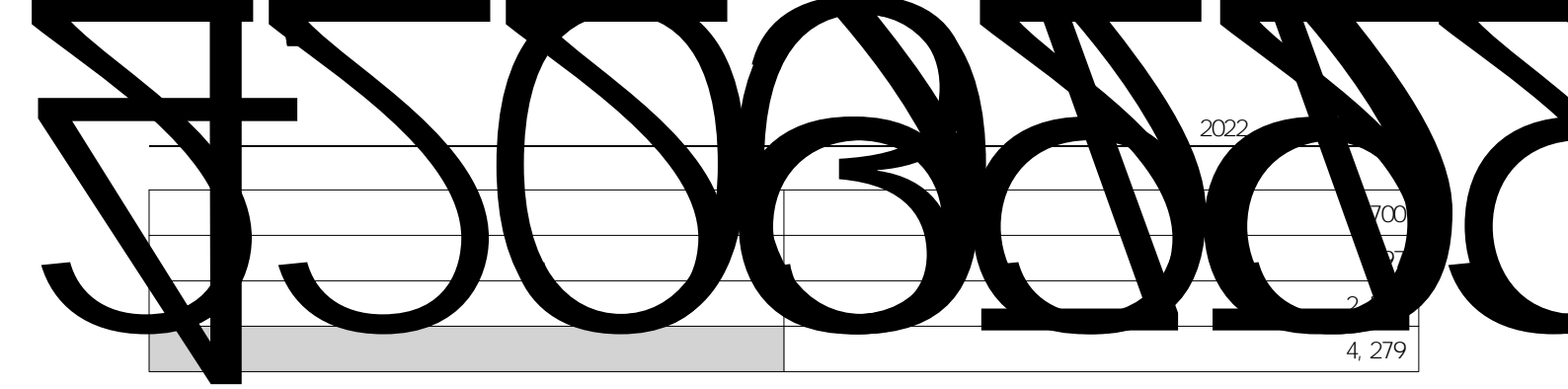
2022 04 2022  
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			01				
			2022 08 12				
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		1	2022 08 12	2021	2021		

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	3, 652
	627
	4, 279
	4, 279
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	2, 472
	177
	1, 060
	47
	523
	4, 279
	30



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10		0
10		1.7
	782,978,152	
		133,106,285.84
		0.00
	133,106,285.84	
		2,841,691,318.31
	100%	
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 2017

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		3	2012 08 10
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			2012 08 10
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				2018 05 10		
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			36	2019 04 25		
				2017 12 11		
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				2020 09 10		
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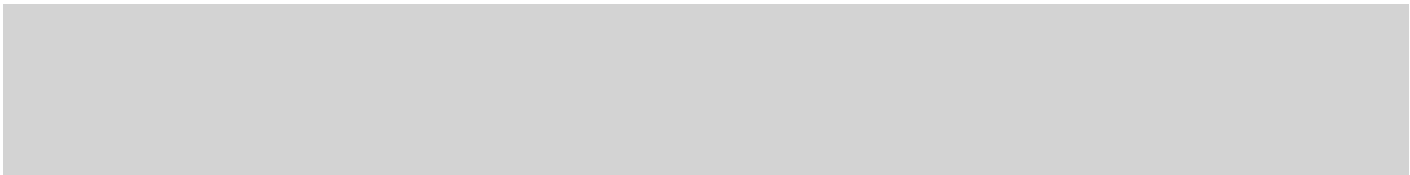
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						33, 730. 00	4. 51%	39, 550				2022 04	



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	--	--	33,730.00	--	39,550	--	--	--	--	--
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/	59,380,096.89	17,201,937.48		42,178,159.41
/	39,820,254.77	19,756,592.19		20,063,662.58
	99,200,351.66	36,958,529.67		62,241,821.99

10%

10%

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1	36,391,607	5.20%	12,342,517	12,342,517	24,049,090	3.44%
2	5,730,633	0.82%	-5,730,633	-5,730,633		
3	30,571,974	4.37%	-6,611,884	-6,611,884	23,960,090	3.43%
4	30,571,974	4.37%	-6,611,884	-6,611,884	23,960,090	3.43%
	89,000	0.01%			89,000	0.01%
	89,000	0.01%			89,000	0.01%
	663,017,311	94.80%	11,108,517	11,108,517		

1	2022	1	4					
	2017							
	2017						465	
					5,170,000	S	2022	2 7
2	2022	4	25		5,730,633			
3	2022	8	10					
	2017						2	229 2
	2017							
					454,000		2022	8 23
4	2022	11	30					
	2017						2019	
					53			

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191,000.00	0.00	50,000.00	141,000.00	23	
				2022	8
				23	
50,000.00	0.00	50,000.00	0.00	2022	8
				23	
191,000.00	0.00	50,000.00			

	699,408,918	100.00%	0	699,408,918	100.00%
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3 2022 8 23 2017  
454,000

		%			%
	25,190,583	3.60%	-454,000	24,736,583	3.54%
	674,218,335	96.40%	454,000	674,672,335	96.46%
	699,408,918	100.00%	0	699,408,918	100.00%

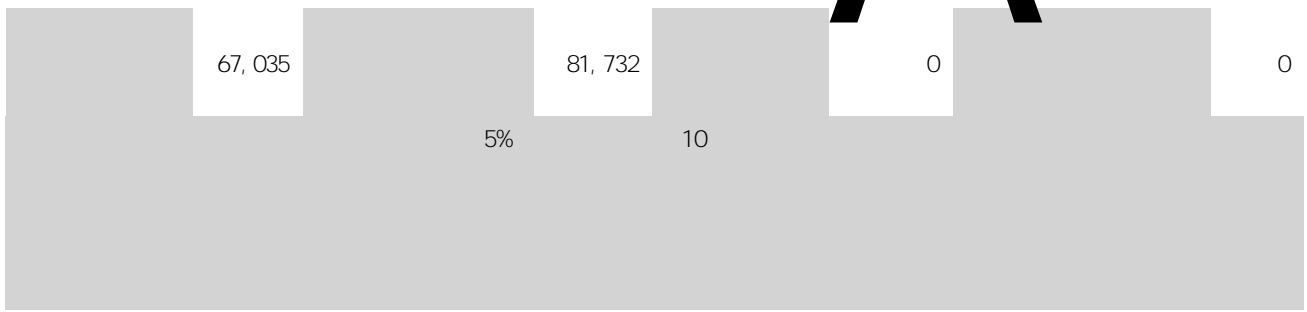
4 2022 12 30 53 1,234,000

		%			%
	25,280,090	3.61%	-1,234,000	24,046,090	3.44%
	674,128,828	96.39%		674,128,828	96.56%
	699,408,918	100.00%	-1,234,000	698,174,918	100.00%

		2022 12	%
	69,940.89	69,817.49	-0.18%
	991,966.65	990,339.27	-0.16%
	611,846.48	611,846.48	0.00%
	38.39%	38.29%	-0.10%

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41.75%	291,478,944	0	0	291,478,944
3.72%	25,986,591	0	0	25,986,591
1.47%	10,246,659	3,388,069	0	10,246,659

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000€

500		3, 585, 178		3, 585, 178
5G		2, 422, 181		2, 422, 181
500		1, 673, 409		1, 673, 409
		1, 606, 901		1, 606, 901
		1, 546, 381		1, 546, 381
		1, 500, 000		1, 500, 000
500		1, 494, 900		1, 494, 900
10 10	10			
10		1, 500, 000		

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	/			
		2011 09 06	914201005 81816138L	( )
		41. 64% 28. 63%		600498 494, 097, 741 600345 56, 682, 297



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2018 08 9142010101-  
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80%

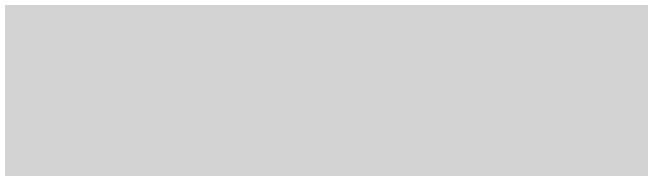
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2022 12 31

	2022 12 31	2022 1 1
	2, 168, 090, 005. 37	2, 852, 902, 860. 07
	422, 810, 921. 23	559, 750, 755. 46
	1, 577, 979, 419. 00	1, 599, 394, 238. 38
	162, 737, 990. 36	
	40, 770, 605. 95	22, 017, 957. 28
	25, 504, 043. 48	17, 758, 075. 05
	2, 330, 451, 779. 92	2, 200, 753, 373. 51
	170, 804, 583. 34	
	33, 065, 482. 80	28, 083, 242. 33
	6, 932, 214, 831. 45	7, 280, 660, 502. 08
	55, 935, 334. 76	52, 369, 829. 00

			2022	12	31	2022	1	1
					1, 282, 735, 096. 45			1, 201, 727, 898. 07
					74, 575, 575. 50			23, 096, 269. 00
					62, 241, 821. 99			71, 468, 478. 40
					311, 880, 676. 51			266, 007, 739. 83
					48, 618, 076. 36			51, 508, 075. 76
					7, 942, 662. 78			18, 461, 135. 43
					10, 373, 655. 05			13, 089, 441. 89
					91, 127, 112. 10			76, 817, 057. 06
					1, 025, 747, 900. 50			422, 714, 899. 84
					2, 971, 177, 912. 00			2, 197, 260, 824. 28
					9, 903, 392, 743. 45			9, 477, 921, 326. 36
					500, 000. 00			
					1, 091, 576, 914. 51			970, 325, 346. 37
					1, 249, 044, 305. 47			1, 261, 849, 969. 30
					85, 986, 284. 15			119, 347, 215. 13
					67, 718, 492. 49			71, 257, 519. 44
					79, 396, 204. 74			35, 521, 079. 64
					403, 093, 791. 21			519, 759, 837. 06
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	2022	12	31		2022	1	1
				458,095,430.02			540,304,535.19
				47,507,369.44			55,679,865.08



	2022 12 31	2022 1 1
	77,168,865.06	56,039,443.40
	11,653,537.80	14,560,944.92
	3,231,155,529.70	3,284,873,947.51
	447,247,529.73	518,247,529.73
	30,028,840.51	29,657,195.38
	32,532,111.84	21,200,944.46
	164,350,479.56	197,654,317.64
	674,158,961.64	766,759,987.21
	3,905,314,491.34	4,051,633,934.72
	698,174,918.00	699,408,918.00
	2,764,891,923.32	2,750,906,566.65
	321,580,530.00	392,485,090.00
	1,377,547.71	1,242,448.45
	301,629,718.77	249,607,518.43
	1,476,201,175.81	1,126,749,390.65
	4,920,694,753.61	4,435,429,752.18
	8,826,009,244.95	8,487,063,686.90

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	2022	2021
	6,911,881,248.07	6,486,301,555.77
	6,911,881,248.07	6,486,301,555.77
	6,146,024,717.96	5,848,763,409.65
	5,280,160,571.23	4,916,773,058.67

	2022	2021
	24, 288, 663. 78	28, 287, 559. 66
	171, 991, 276. 74	151, 693, 127. 95
	132, 599, 447. 66	134, 447, 046. 65
	660, 328, 901. 66	661, 114, 272. 63
	-123, 344, 143. 11	- 43, 551, 655. 91
	14, 523, 699. 87	6, 877, 019. 01
	90, 274, 640. 39	77, 661, 217. 84
	87, 383, 953. 90	126, 140, 377. 62
" "	3, 829, 200. 28	- 8, 840, 942. 63
	3, 565, 505. 76	- 8, 840, 942. 63
" _"		
" "		
" "		
" _"	369, 336. 27	2, 658, 563. 60
" _"	- 170, 109, 554. 90	- 137, 508, 157. 47
" _"	- 1, 307, 027. 56	395, 686. 09
" "	686, 022, 438. 10	620, 383, 673. 33
	2, 078, 652. 23	1, 009, 046. 16
	3, 206, 868. 44	1, 361, 790. 94
" "	684, 894, 221. 89	620, 030, 928. 55
	71, 314, 121. 68	54, 274, 103. 22
" "	613, 580, 100. 21	565, 756, 825. 33
1. "	613, 580, 100. 21	565, 756, 825. 33
2.		

	2022	2021
" "		
1.	608,407,790.49	567,266,618.25
2.	5,172,309.72	-1,509,792.92
	4,072,628.12	-9,936,122.11
	4,096,144.31	-9,231,899.28
	0.00	0.00
1.		
2.		
3.		
4.		
5.		
	4,096,144.31	-9,231,899.28
1.		
2.		
3.		
4.		
5.		
6.	4,096,144.31	-9,231,899.28
7.		
	-23,516.19	-704,222.83
	617,652,728.33	555,820,703.22
	612,503,934.80	558,034,718.97
	5,148,793.53	-2,214,015.75
	0.968	



	2022	2021
3.		
4.		
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6.		
7.		
	520,357,102.68	483,450,548.56

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	2022	2021
	7,403,869,375.86	6,964,472,911.88

	2022	2021
	428,121,076.43	346,741,025.11
	1,045,299,591.68	2,067,000,000.00
	1,473,420,668.11	2,413,741,025.11
	-1,223,368,352.62	-686,336,289.11

	2022	2021
	414, 593, 942. 98	331, 120, 391. 28
	865, 299, 591. 68	1, 590, 000, 000. 00
	1, 279, 893, 534. 66	1, 921, 120, 391. 28
	- 1, 030, 602, 796. 66	- 570, 715, 655. 28
		28, 222, 400. 00
		500, 000, 000. 00
	1, 716, 350. 54	12, 773, 246. 61
	1, 716, 350. 54	540, 995, 646. 61
	51, 000, 000. 00	
	127, 920, 556. 95	120, 380, 324. 25
	32, 105, 653. 84	26, 420, 698. 64
	211, 026, 210. 79	146, 801, 022. 89
	- 209, 309, 860. 25	394, 194, 623. 72
	23, 702, 096. 99	- 2, 733, 930. 61
	- 449, 304, 853. 74	220, 082, 525. 08
	1, 789, 832, 555. 90	1, 569, 750, 030. 82
	1, 340, 527, 702. 16	1, 789, 832, 555. 90

2022													
	699,408,918.00			2,583,967,730.63	392,485,090.00	-3,021,956.68	249,607,518.43		2,404,053,746.08		5,541,530,866.46	-12,458,863.29	5,529,072,003.17
	699,408,918.00			2,583,967,730.63	392,485,090.00	-3,021,956.68	249,607,518.43		2,404,053,746.08		5,541,530,866.46	-12,458,863.29	5,529,072,003.17
" "	-1,234,000.00			13,507,412.41	-70,904,560.00	4,096,144.31	52,022,200.34		437,637,572.23		576,933,889.29	5,148,793.53	582,082,682.82
						4,096,144.31			608,407,790.49		612,503,934.80	5,148,793.53	617,652,728.33

	-1,234,000.00				13,507,412.41	-70,904,560.00							83,177,972.41	83,177,972.41
1														
2														
3					29,545,952.41	-53,632,020.00							83,177,972.41	83,177,972.41
4	-1,234,000.00				-16,038,540.00	-17,272,540.00								
									52,022,200.34	-170,770,218.26			-118,748,017.92	-118,748,017.92
1									52,022,200.34	-52,022,200.34				
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3										-118,748,017.92			-118,748,017.92	-118,748,017.92

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	698,174,918.00				2,597,475,143.04	321,580,530.00	1,074,187.63	301,629,718.77	2,841,691,318.31	6,118,464,755.75	-7,310,069.76	6,111,154,685.99		



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						- 9, 231, 899. 28			567, 266, 618. 25		558, 034, 718. 97	- 2, 214, 015. 75	555, 820, 703. 22
	1, 753, 000. 00				34, 023, 676. 88	- 44, 829, 750. 00					80, 606, 426. 88	0. 00	80, 606, 426. 88
1	1, 753, 000. 00				90, 120, 508. 41						91, 873, 508. 41		91, 873, 508. 41
2													
3					- 56, 096, 831. 53	- 44, 829, 750. 00					- 11, 267, 081. 53		- 11, 267, 081. 53
4													
								48, 366, 759. 25	- 166, 950, 075. 31		- 118, 583, 316. 06		- 118, 583, 316. 06
1								48, 366, 759. 25	- 48, 366, 759. 25		0. 00		0. 00
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	699,408,918.00				2,583,967,730.63	392,485,090.00	-3,021,956.68		249,607,518.43		2,404,053,746.08		5,541,530,866.46	-12,458,863.29	5,529,072,003.17

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2022							
	699,408,918.00	2,750,906,566.65	392,485,090.00	1,242,448.45	249,607,518.43	1,126,749,390.65	4,435,429,752.18
	699,408,918.00	2,750,906,566.65	392,485,090.00	1,242,448.45	249,607,518.43	1,126,749,390.65	4,435,429,752.18
	-1,234,000.00	13,985,356.67	-70,904,560.00	135,099.26	52,022,200.34	349,451,785.16	485,265,001.43

" "												
							135,099.26			520,222,003.42		520,357,102.68
	-1,234,000.00				13,985,356.67	-70,904,560.00						83,655,916.67
1												
2												
3					30,023,896.67	-53,632,020.00						83,655,916.67
4	-1,234,000.00				-16,038,540.00	-17,272,540.00						0.00
									52,022,200.34	-170,770,218.26		-118,748,017.92
1									52,022,200.34	-52,022,200.34		0.00
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	698,174,918.00				2,764,891,923.32	321,580,530.00	1,377,547.71		301,629,718.77	1,476,201,175.81	4,920,694,753.61

	2021										
	697,655,918.00				2,695,384,740.00	437,314,840.00	1,459,492.38		201,240,759.18	810,031,873.47	3,968,457,943.03
	697,655,918.00				2,695,384,740.00	437,314,840.00	1,459,492.38		201,240,759.18	810,031,873.47	3,968,457,943.03
	1,753,000.00				55,521,826.65	-44,829,750.00	-217,043.93		48,366,759.25	316,717,517.18	466,971,809.15
							-217,043.93			483,667,592.49	483,450,548.56
	1,753,000.00				55,521,826.65	-44,829,750.00					102,104,576.65
1	1,753,000.00				72,881,883.46						74,634,883.46
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		15%	
		16.5%	
		22%	
		15.825%	
		21%	8.84%
		50	800
ALMAE TECHNOLOGI ES		28%	31%

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		2003	222	
		2007	90	20090201A
		2009	56	"
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	2009	203		
			2020	12 1
		GR202042002936		15%
	2009	203		
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1		GR202042001954		
	15%			
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	2009	203		
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11	28		GR201942002158	
	15%			
	2009	203		
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2009 203

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	2,168,090,005.37	2,843,802,860.07
		9,100,000.00
	2,168,090,005.37	2,852,902,860.07
	25,187,966.59	31,158,830.71

2022 12 31

		9,100,000.00
		9,100,000.00

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	95,347,360.30	149,070,714.18
	328,484,682.71	411,698,938.41
	1,021,121.78	1,018,897.13
	422,810,921.23	559,750,755.46





R	7,312.13	7,312.13	100.00%	3	,
S	53,457.69	53,457.69	100.00%	3	,
T	17,662.23	17,662.23	100.00%	3	,
	3,498,763.50	3,498,763.50			

39,583,925.61

	1,537,293,524.59	39,583,925.61	2.57%
	80,269,820.02		
	1,617,563,344.61	39,583,925.61	



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	25, 504, 043. 48	17, 758, 075. 05
	25, 504, 043. 48	17, 758, 075. 05

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	10, 353, 974. 09	8, 308, 364. 28
	2, 880, 915. 05	1, 520, 342. 88
	7, 059, 447. 09	7, 098, 268. 49
	5, 225, 690. 60	5, 751, 416. 19
	8, 390, 793. 74	3, 499, 916. 66
	33, 910, 820. 57	26, 178, 308. 50

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	8, 420, 233. 45		13, 456. 36			8, 406, 777. 09
	8, 420, 233. 45		13, 456. 36			8, 406, 777. 09

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	7, 746, 29 8. 98			11, 440 . 41						7, 757, 7 39. 39	
	52, 369, 8 29. 00			3, 565, 505. 76						55, 935, 334. 76	
	52, 369, 8 29. 00			3, 565, 505. 76						55, 935, 334. 76	

11

	1, 282, 734, 745. 42	1, 201, 722, 188. 65
	351. 03	5, 709. 42
	1, 282, 735, 096. 45	1, 201, 727, 898. 07

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1.	555, 678, 617. 88	865, 474, 637. 92	8, 139, 209. 43	949, 922, 774. 74	18, 007, 138. 9 0	2, 397, 222, 37 8. 87
2.	1, 570, 253. 53	175, 947, 673. 03		119, 224, 272. 75	593, 717. 17	297, 335, 916. 48
1	1, 570, 253. 53	149, 352, 207. 16		118, 919, 831. 28	568, 926. 25	270, 411, 218. 22
2		21, 731, 760. 9 3		304, 441. 47		22, 036, 202. 4 0
3		4, 863, 704. 94			24, 790. 92	4, 888, 495. 86
3.		22, 909, 806. 5 9	288, 087. 45	34, 211, 616. 4 9	929, 599. 85	58, 339, 110. 3 8
1		22, 909, 806. 5 9	288, 087. 45	34, 211, 616. 4 9	555, 156. 71	57, 964, 667. 2 4
2					374, 443. 14	374, 443. 14
4.	557, 248, 871. 41	1, 018, 512, 50 4. 36	7, 851, 121. 98	1, 034, 935, 43 1. 00	17, 671, 256. 2 2	2, 636, 219, 18 4. 97
1.	130, 717, 945. 17	429, 333, 030. 62	7, 535, 967. 24	602, 326, 412. 83	13, 535, 684. 1 1	1, 183, 449, 03 9. 97
2.	15, 123, 409. 3 5	92, 440, 000. 0 1	123, 032. 17	109, 822, 590. 41	2, 087, 094. 92	219, 596, 126. 86

1	15, 123, 409. 3 5	88, 659, 316. 1 6	123, 032. 17	109, 822, 590. 41	2, 062, 712. 35	215, 791, 060. 44
2		3, 780, 683. 85			24, 382. 57	3, 805, 066. 42
3.		22, 222, 512. 3 9	279, 444. 83	33, 451, 196. 7 9	551, 874. 98	56, 505, 028. 9 9
1		22, 222, 512. 3 9	279, 444. 83	33, 451, 196. 7 9	538, 502. 01	56, 491, 656. 0 2
2					13, 372. 97	13, 372. 97
4.	145, 841, 354. 52	499, 550, 518. 24	7, 379, 554. 58	678, 697, 806. 45	15, 070, 904. 0 5	1, 346, 540, 13 7. 84
1.		5, 329, 771. 20		6, 588, 973. 89	132, 405. 16	12, 051, 150. 2 5
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3.		5, 071, 572. 90		34, 266. 24	1, 009. 40	5, 106, 848. 54
1		5, 071, 572. 90		34, 266. 24	1, 009. 40	5, 106, 848. 54
4.		258, 198. 30		6, 554, 707. 65	131, 395. 76	6, 944, 301. 71
1.	411, 407, 516. 89	518, 703, 787. 82	471, 567. 40	349, 682, 916. 90	2, 468, 956. 41	1, 282, 734, 74 5. 42
2.	424, 960, 672. 71	430, 811, 836. 10	603, 242. 19	341, 007, 388. 02	4, 339, 049. 63	1, 201, 722, 18 8. 65

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	2, 738, 857. 49
	22, 273. 13
	2, 761, 130. 62

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1.	7,897,915.08	13,591,033.07	21,488,948.15
2.	9,391,695.39	6,473,031.33	15,864,726.72
1	9,278,136.86	6,473,031.33	15,751,168.19
	113,558.53		113,558.53
3.	87,672.99	307,472.21	395,145.20
1			
	87,672.99	307,472.21	395,145.20
4.	17,201,937.48	19,756,592.19	36,958,529.67
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3.		584,580.12		987,344.49	1,571,924.61
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2		584,580.12		987,344.49	1,571,924.61
4.	10,350,153.84	193,221,475.39	2,707,564.75	53,768,235.06	260,047,429.04
1.				854,044.37	854,044.37
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4.				854,044.37	854,044.37
1.	99,135,164.33	190,798,278.04		21,947,234.14	311,880,676.51
2.	23,559,715.07	218,539,561.47		23,908,463.29	266,007,739.83

64.30%

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	51,508,075.76	704,542,378.87			47,103,476.61	660,328,901.66	48,618,076.36
	51,508,075.76	704,542,378.87			47,103,476.61	660,328,901.66	48,618,076.36

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	6,558,903.83				6,558,903.83
ALMAE TECHNOLOGIES	32,032,365.70				32,032,365.70
	38,591,269.53				38,591,269.53

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ALMAE TECHNOLOGIES	20,130,134.10	10,518,472.65			30,648,606.75



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	11, 015, 513. 57	13, 080, 023. 33
	22, 934, 234. 50	13, 630, 152. 88
	33, 949, 748. 07	26, 710, 176. 21

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2025	17, 003, 591. 82	13, 630, 152. 88	
2026	3, 689, 504. 28		
2027	2, 241, 138. 40		
	22, 934, 234. 50	13, 630, 152. 88	

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	43, 881, 483. 84		43, 881, 483. 84	79, 382, 955. 40	79, 382, 955. 40
-	970, 000, 000. 00		970, 000, 000. 00	340, 000, 000. 00	340, 000, 000. 00
-	11, 866, 416. 66		11, 866, 416. 66	3, 331, 944. 44	3, 331, 944. 44
	1, 025, 747, 900. 50		1, 025, 747, 900. 50	422, 714, 899. 84	422, 714, 899. 84

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	1, 003, 869, 153. 50	883, 518, 341. 04
	87, 707, 761. 01	86, 807, 005. 33

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	1, 091, 576, 914. 51	970, 325, 346. 37
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6	3, 596, 872. 87	2, 700, 900. 29	2, 837, 043. 44	3, 460, 729. 72
	55, 955, 976. 70	694, 127, 775. 65	694, 668, 126. 36	55, 415, 625. 99

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1	14, 258, 888. 70	52, 895, 347. 31	55, 891, 845. 84	11, 262, 390. 17
2	642, 286. 17	2, 091, 532. 62	2, 093, 710. 33	640, 108. 46
3	400, 367. 87	6, 220, 892. 60	6, 220, 892. 60	400, 367. 87
	15, 301, 542. 74	61, 207, 772. 53	64, 206, 448. 77	12, 302, 866. 50

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	11, 199, 099. 81	1, 392, 960. 56
	63, 376, 832. 35	24, 593, 458. 92
	1, 722, 324. 12	2, 295, 158. 03
	1, 188, 784. 95	3, 635, 436. 57
	84, 195. 58	110, 476. 28
	509, 479. 25	1, 523, 329. 95
	339, 652. 85	994, 423. 50
	939. 63	939. 63
	974, 896. 20	974, 896. 20
	79, 396, 204. 74	35, 521, 079. 64

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	403, 093, 791. 21	519, 759, 837. 06
	403, 093, 791. 21	519, 759, 837. 06

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	321, 580, 530. 00	392, 485, 090. 00
	2, 101, 937. 48	2, 922, 555. 51
	8, 870. 00	4, 871, 617. 57
	1, 116, 962. 80	2, 155, 640. 00
	78, 285, 490. 93	117, 324, 933. 98
	403, 093, 791. 21	519, 759, 837. 06



	32, 532, 111. 84	30, 259, 805. 76	
	32, 532, 111. 84	30, 259, 805. 76	

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	113, 139, 739. 31	43, 994, 014. 19	47, 880, 438. 08	109, 253, 315. 42	
	86, 668, 978. 33	5, 250, 000. 00	34, 641, 500. 00	57, 277, 478. 33	
	199, 808, 717. 64	49, 244, 014. 19	82, 521, 938. 08	166, 530, 793. 75	--

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1	-	62,339,113.85	
2 2022 1 5			2017
465		5,170,000	
60,851,014.34	-	-	
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9	454,000		3,925,133.33
4 2022			
32,793,161.44			
5		17,272,540.00	
	1,234,000.00	-	16,038,540.00

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	392,485,090.00		70,904,560.00 321,580,530.00
	392,485,090.00		70,904,560.00 321,580,530.00

1.	2017	5,624,000
	53,632,020.00	
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17,272,540.00		

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	- 3,021,956.68	4,096,144.31				4,096,144.31		1,074,187.63
	- 3,021,956.68	4,096,144.31				4,096,144.31		1,074,187.63
	- 3,021,956.68	4,096,144.31				4,096,144.31		1,074,187.63



	18,299.16	441,905.16
	10,860.00	21,060.00
	5,510,145.21	5,659,203.30
	2,514,146.01	3,032,000.76
	131,547.60	193,888.73
	24,288,663.78	28,287,559.66

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	71,103,018.85	80,717,510.44
	57,573,422.98	39,691,717.37
	20,616,538.99	14,086,492.82
	4,542,442.54	2,831,960.16
	5,682,326.98	5,252,452.13
	12,473,526.40	9,112,995.03
	171,991,276.74	151,693,127.95

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	77,178,939.11	80,002,720.46
	19,691,022.48	22,885,823.84
	10,848,518.35	10,701,608.51
	5,436,316.96	7,476,228.13
	19,444,650.76	13,380,665.71
	132,599,447.66	134,447,046.65

43

	316,109,959.40	291,497,869.37
	145,382,072.73	178,492,145.12
	149,813,786.45	114,503,538.53
	7,702,749.06	13,591,265.56
	14,321,055.75	10,981,494.73
	26,999,278.27	52,047,959.32
	660,328,901.66	661,114,272.63

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	14,523,699.87	6,877,019.01
	90,274,640.39	77,661,217.84
	-50,197,158.62	23,835,431.44
	2,511,289.57	3,397,111.48

	92, 666. 46	
	- 123, 344, 143. 11	- 43, 551, 655. 91

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	86, 973, 534. 29	125, 400, 424. 36
	410, 419. 61	739, 953. 26
	87, 383, 953. 90	126, 140, 377. 62

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	3, 565, 505. 76	- 8, 840, 942. 63
	263, 694. 52	
	3, 829, 200. 28	- 8, 840, 942. 63

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	13, 456. 36	- 500, 671. 77
	358, 104. 56	3, 319, 535. 91
	- 2, 224. 65	- 160, 300. 54
	369, 336. 27	2, 658, 563. 60

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	- 159, 591, 082. 25	- 137, 508, 157. 47
	- 10, 518, 472. 65	
	- 170, 109, 554. 90	- 137, 508, 157. 47

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	- 1, 307, 027. 56	395, 686. 09
	- 1, 307, 027. 56	395, 686. 09

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# 2020

	126,144.32		126,144.32
	1,637,867.83	1,965.42	1,637,867.83
	314,640.08	1,007,080.74	314,640.08
	2,078,652.23	1,009,046.16	2,078,652.23

51

	534,051.13	933,661.10	534,051.13
	2,672,196.12	428,129.84	2,672,196.12
	3,206,868.44	1,361,790.94	3,206,868.44

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	85,624,176.72	58,431,765.72
	-14,310,055.04	-4,157,662.50
	71,314,121.68	54,274,103.22

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	54,936,397.57	72,434,599.29
	79,559,795.02	76,730,039.49
	5,568,234.21	5,121,203.70
	362,494.77	256,643.76
	140,426,921.57	154,542,486.24

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	257,785,693.79	217,090,334.09
	16,902,007.00	10,044,205.88
	2,743,664.61	2,563,786.86
	277,431,365.40	229,698,326.83

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	249,100,000.00	1,727,000,000.00
	249,100,000.00	1,727,000,000.00

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	1,045,299,591.68	2,067,000,000.00
	1,045,299,591.68	2,067,000,000.00

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		10,900,000.00
		10,900,000.00

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	13,921,807.10	16,928,103.03
	16,922,792.50	6,905,378.00

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	2,500,000.00	
	33,344,599.60	23,833,481.03

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	613,580,100.21	56-

	2, 165, 735, 302. 59	2, 843, 802, 860. 07
	2, 843, 802, 860. 07	2, 468, 274, 526. 71
	- 678, 067, 557. 48	375, 528, 333. 36

2

	2, 165, 735, 302. 59	2, 843, 802, 860. 07
	2, 165, 735, 302. 59	2, 843, 802, 860. 07
	2, 165, 735, 302. 59	2, 843, 802, 860. 07

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	10, 353, 974. 09	
	7, 554, 508. 36	
	17, 908, 482. 45	

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			605, 637, 574. 05
	82, 688, 373. 51	6. 9646	575, 891, 446. 15
	1, 790, 467. 85	7. 4229	13, 290, 463. 80
	1, 600, 426. 80	0. 8933	1, 429, 613. 25
	172, 092, 827. 00	0. 0524	9, 010, 436. 24

	6, 027, 201. 23	7. 4229	44, 739, 312. 01
	44, 097, 403. 00	0. 0524	2, 308, 851. 83
	5, 699, 990. 53	1. 0017	5, 709, 680. 51
	0. 00		1, 663, 879. 74
	225, 529. 34	6. 9646	1, 570, 721. 64
	93, 000. 00	1. 0017	93, 158. 10
			17, 047, 848. 34
	1, 065, 618. 87	7. 4229	7, 909, 982. 31
	9, 122, 358. 02	1. 0017	9, 137, 866. 03
			20, 301, 091. 34
	2, 175, 525. 21	7. 4229	16, 148, 706. 08
	4, 145, 338. 19	1. 0017	4, 152, 385. 26
			10, 847, 900. 29
	1, 461, 410. 00	7. 4229	10, 847, 900. 29

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58

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	65, 568, 638. 88		65, 568, 638. 88
	15, 048, 162. 27		15, 048, 162. 27
	19, 859. 00		19, 859. 00
	3, 591, 709. 00		3, 591, 709. 00
	2, 462, 500. 00		2, 462, 500. 00
	282, 665. 94		282, 665. 94
	86, 973, 534. 29		86, 973, 534. 29

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2022 6

2022 12

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				100.00%			
				100.00%			
				100.00%			
				49.71%	21.94%		
				100.00%			
				100.00%			
				100.00%			
				100.00%			

2

		28.35%	5,172,309.72	0.00		-7,310,069.76	

3

		131,477,582.18	98,138,289.90	229,615,872.08	187,824,623.01	54,009,295.12	241,833,918.13	135,549,992.59	129,128,350.41	264,678,343.00	173,141,511.89	71,168,358.32	244,309,870.21

	157, 888, 3 88. 28	- 32, 371, 62 1. 99	- 32, 603, 48 7. 54	4, 456, 724 . 06	155, 792, 9 45. 80	- 21, 327, 53 4. 21	- 22, 740, 56 2. 76	- 1, 306, 913 . 35

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v

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--	-2, 578, 963. 50			- 962, 349. 96		
	0. 00	48, 177, 595. 37	7, 757, 739. 39		44, 623, 530. 02	7, 746, 298. 98
		26, 927, 094. 92	3, 089, 126. 74		22, 733, 119. 85	988, 732. 17
	-2, 020, 766. 93	9, 477, 507. 59	25, 423. 13	5, 481, 487. 34	-17, 804, 216. 41	9, 866. 15
				- 271, 340. 52		
	-2, 020, 766. 93	9, 477, 507. 59	25, 423. 13	5, 752, 827. 86	-17, 804, 216. 41	9, 866. 15

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	2, 345, 791. 73	1, 616, 613. 54	3, 962, 405. 27
	2, 345, 791. 73	1, 616, 613. 54	3, 962, 405. 27

GDP

83, 252,

			64,731.58	41.75%	41.75%

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U. S. M̄i guang  
Tel ecommuni cati on I nc.



		4, 261, 076. 62	4, 320, 000. 00		3, 314, 441. 29
		1, 370, 188. 70	2, 000, 000. 00		1, 362, 830. 16
		168, 296. 23	500, 000. 00		367, 043. 40
		262, 490. 57	300, 000. 00		261, 320. 75
		0. 00	500, 000. 00		188, 679. 24
		0. 00	200, 000. 00		33, 905. 65
		2, 871, 490. 51	3, 000, 000. 00		0. 00
		114, 099, 285. 41			114, 492, 925. 37

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298, 487, 995. 63      239, 960, 106. 01  
6, 271, 369. 25      484, 2- "

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	10,944,500.00	12,160,000.00

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		2022 12 31 /2022	2021 12 31 /2021
		440,000,000.00	
		5,491,091.67	
		1,364,336.02	490,524,974.45
		5,287,534.29	1,376,641.15
		5,491,091.67	

6

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		187,674,865.78	177,343,415.70
		10,096,550.00	
		6,656,892.16	1,565,262.50
		2,064,000.00	1,312,400.00
		1,423,924.14	3,282,400.00
		853,602.00	
		234,000.00	
		15,412.64	23,970.69
			4,939,510.02
			1,110,150.00
			500,000.00
			118,000.00
		59,015,355.19	23,071,645.95
		9,222,986.77	6,502,722.12
		4,899,606.44	
		1,631,633.29	246,839.31
		799,232.25	
		677,977.42	
		572,700.00	
		444,609.90	6,702.24
		255,450.10	255,450.10
		104,208.28	11,556.51
		86,850.39	5,377,594.51
		13,000.00	
		295,519.99	273,959.99
			5,280.00
			308,600.00

				75,290.49	
		12,700.00		12,700.00	
		178,000.00			
				65,730.00	
		2,059,990.00		286,116.00	
		200,000.00			
		60,000.00			

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U. S. Mãi quang	89,676.62	89,676.62
Tel ecommuni cati on I nc.	10,216,898.26	4,291,213.30
	646,013.44	3,927,465.65
	104,599.00	104,599.00
	1,513,706.84	0000
	39,304.00	26,640.00
	3,587,632.00	2,963,352.00
	435,327.30	279,130.00
	2,714,480.00	0.00
	16,961,091.63	15,709,862.58
		573,494.40
		84,160.00



	8	2020	5	29					
		2017							9
		2017					454,000		
	9	2020	12	2					
				2017				2017	
			9						
	9								1
2019					17.7				1
	10	2021	1	4					
		2017							
		2017							470
							5,243,000		
	11	2021	1	4					
		2017							
		2017							80
							908,500		
	12	2021	4	21					
				2017					

# JOBS

2022

2 19  
1 02 9 10 2020  
2019  
2 2020 9

701 2,095.2

3 2020 12 2  
2019

1 2019

0.9

4 2020 12 17  
2019

4 50.4

5 2021 4 21  
2019

3 1 2019  
4 7.8

6 2021 8 27  
2019

198 230

2

2 2.4

7 2021 11 30  
2019

11 2019 2019

24.6

5 2020

2 2.9 m 1

8 2022 2

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2022

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2022

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29, 545, 945. 41

575, 402, 745. 04

%

13. 91%

	999,485,901.77	72.10%	33,836,541.73	3.39%	965,649,360.04	1,047,824,960.09	65.91%	33,423,146.67	3.19%	1,014,401,813.42
	384,099,012.37	27.71%		0.00%	384,099,012.37	539,310,537.38	33.93%		0.00%	539,310,537.38
	1,386,330,354.34	100.00%	36,581,981.93	2.64%	1,349,748,372.41	1,589,667,357.85	100.00%	35,955,007.05	2.26%	1,553,712,350.80

2,745,440.20

A	1,678,675.73	1,678,675.73	100.00%	3
B	381,548.65	381,548.65	100.00%	3
C	344,469.12	344,469.12	100.00%	3
D	289,936.30	289,936.30	100.00%	3
E	33,900.40	33,900.40	100.00%	3
F	15,200.00	15,200.00	100.00%	3
G	1,710.00	1,710.00	100.00%	3
	2,745,440.20	2,745,440.20		

999,485,901.77

1	904,873,092.05	5,534,808.00	0.61%
1 2	60,104,342.74	4,008,236.81	6.67%
2 3	13,327,807.33	6,467,094.94	48.52%
3 4	5,686,449.17	3,437,882.78	60.46%
4 5	3,727,158.77	2,621,467.49	70.33%
5	11,767,051.71	11,767,051.71	100.00%
	999,485,901.77	33,836,541.73	

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	1, 386, 330, 354. 34

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	12	( )	( )	
2022 1 1	4,149,509.38			4,149,509.38
2022 1 1				
	419,178.02	22,268,700.00		22,687,878.02
2022 12 31	4,568,687.40	22,268,700.00		26,837,387.40

☑

1 1	18,876,324.51
1 2	50,159,937.89
2 3	14,175,084.77
3	5,193,012.15
3 4	348,487.73
4 5 8 è	766,976.87
5	4,077,547.55
	88,404,359.32

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	40,418,638.89	1-2	45.72%
ALME TECHNOLOGIES	27,236,109.21	1-3	30.81% 22,268,700.00
	3,755,893.31	1	4.25%
	1,500.00	œ	



7,746,  
298.98

11,440  
.41

7,757,  
739.39

	-1, 128, 216. 21	
	410, 419. 61	
	10, 249, 760. 14	
	5, 117, 343. 13	
	62, 550, 997. 86	--

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	10. 41%	0. 90	0. 87
	9. 43%	0. 81	0. 78

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