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Analysis of the Impact of the COVID-19 Pandemic on Geospatial Listed Companies in China in 2020

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COVID-19



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Background

- The outbreak of COVID-19 has greatly affected China's economy, and the geospatial industry has also experienced difficulties
- In China, there are more than 127000 geospatial enterprises with a total output value of 647.6 billion yuan
- We select 15 listed geospatial companies with a market value of more than 3 billion in China, and statistics and analysis on the 2020 semi annual report and annual report of these companies
- We hope to express COVID-19's influence on the geospatial industry in China

15 Listed Geospatial Companies



Business Income and Net Profit in 2020

Company abbreviation (stock code)	Report Time	Income	year-on-year income	net profit	year-on-year net profit
BDStar Navigation(0021 51)	first quarter	705	19.29%	21	225.91%
	semi annual	1603	20.71%	64	248.30%
	third quarter	2522	26.54%	106	3612.78%
	annual	3624	21.33%	146	122.43%
SuperMap(30003 6)	first quarter	221	2.31%	88	15.13%
	semi annual	523	-18.15%	42	1.98%
	third quarter	957	-9.12%	144	12.50%
	annual	1610	-7.20%	234	6.85%
eGOVA(300075)	first quarter	183	-11.17%	24	9.92%
	semi annual	486	-6.72%	71	-24.57%
	third quarter	754	-0.13%	74	-22.41%
	annual	1414	12.40%	158	21.54%
CASC(000901)	first quarter	1187	-12.46%	-61	-619.80%
	semi annual	2289	-16.91%	-105	-339.18%
	third quarter	3736	-9.50%	-95	-257.11%
	annual	5350	-9.81%	-664	-515.00%
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Year-on-Year Comparison

first
quarter

10 companies decreased and 5 increased. In 2019, 4 decreased, 11 increase. The performance decreased significantly.

second
quarter

9 decreased and 6 increased. in 2019, 6 decreased and 7 increased, 2 had not data

third
quarter

9 decreased and 6 increased. In 2019, 4 decreased and 10 increased, 1 had not data

fourth
quarter

5 decreased and 10 increased. In 2019, 5 decreased and 8 increased, 2 had not data

The Average, Maximum and Minimum of Total Income and Net Profit

	Report Time	In 2020				In 2019
		Income	year-on-year income	net profit	year-on-year net profit	year-on-year net profit
average value	first quarter	3.02	-7.10%	0.21	-159.71%	-125.55%
	semi annual	7.05	4.18%	0.64	-55.87%	-14.52%
	third quarter	11.29	2.41%	0.32	238.05%	-34.71%
	annual	18.27	7.34%	1.16	-10.11%	-52.50%
Highest value	first quarter	11.87	52.54%	0.21	225.91%	31.43%
	semi annual	22.89	105.18%	0.64	248.30%	103.16%
	third quarter	37.36	46.76%	1.06	3612.78%	66.67%
	annual	53.50	43.56%	1.46	155.78%	92.54%
Lowest value	first quarter	0.17	-46.30%	0.21	-1037.17%	-714.15%
	semi annual	1.56	-44.92%	0.64	-493.76%	-118.83%
	third quarter	2.83	-33.20%	-0.95	-902.32%	-229.87%
	annual	5.43	-25.05%	0.86	-515.00%	-513.75%

COVID-19 Had Led to a Decline in Income and Net Profits

- In the first and second quarters, the decline was more obvious than that in the same period of 2019
- In the third and fourth quarters, the situation improved significantly .
- Finally, the annual average net profit exceeded that in 2019
- In the first and second quarters, Chinese government to strictly control the epidemic situation.
- In the third and fourth quarters, enterprise resume work and return to production in time.

The Performance Differentiation of Each Company is Obvious

- From the published annual report, almost all companies' performance has been affected by the epidemic.

The Performance Differentiation of Each Company is Obvious

On the one hand, the navigation related businesses of the automobile industry are seriously affected by the epidemic.



The Performance Differentiation of Each Company is Obvious

On the other hand, with the completion of China's Three generations of Beidou, the performance related to Beidou navigation is growing rapidly.



Main Risks and Challenges Faced by Enterprises

- **Impact of the epidemic**
 - **Some of the main business customers of overseas companies are shutting down or reducing production**
 - **The government finance has been greatly reduced**
 - **Part of the business bidding could not be carried out**
 - **The resumption of production of some businesses is delayed**

Main Risks and Challenges Faced by Enterprises



- About Talent
- The number of geospatial enterprise projects and the number of talent recruitment has reduced
- The decline of enterprises' performance affects the salary, and the turnover rate of employees is high
- Enterprise was difficult to recruit new graduates.
- Enterprises suggested that the government provide free or low-cost training to improve the working ability of the staff.



Geospatial Industry is Facing New Development Opportunities

- **UN-GGIM in August 2020: Future trends in geospatial information management: the five to ten year vision**
 - Artificial Intelligence, sensor technology, and the Internet of Things will drastically change how data is collected, managed and maintained
- **Geospatial Strategy for the United Nations**
 - The mission of the Geospatial Strategy aims to mainstream the use of geospatial information across the United Nations Secretariat and system



Suggestions

- **COVID-19 provides new opportunities for future development**
- **The speed at which innovation occurs represents great opportunities and challenges to those trying to priorities efforts.**
- **The government should further improve the policies to promote the development of geospatial industry and market access, increase investment support for integration of geospatial enterprises, and strengthen education and training.**
- **Geospatial enterprises should aim at the development trend and geospatial application demand, strengthen scientific and technological innovation, and fully release the vitality of geospatial industry.**



THANK YOU