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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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# Background

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- 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

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# 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(300036)	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%
	semi annual	7.05	4.18%	0.64	-55.87%
	third quarter	11.29	2.41%	0.32	238.05%
	annual	18.27	7.34%	1.16	-10.11%
Highest value	first quarter	11.87	52.54%	0.21	225.91%
	semi annual	22.89	105.18%	0.64	248.30%
	third quarter	37.36	46.76%	1.06	3612.78%
	annual	53.50	43.56%	1.46	155.78%
Lowest value	first quarter	0.17	-46.30%	0.21	-1037.17%
	semi annual	1.56	-44.92%	0.64	-493.76%
	third quarter	2.83	-33.20%	-0.95	-902.32%
	annual	5.43	-25.05%	0.86	-515.00%

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

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- 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
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- 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

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

# The Performance Differentiation of Each Company is Obvious

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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

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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

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- **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

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- **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**

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- **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

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- **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