



Guangzhou Development District in South China’s Guangdong province is making efforts to become a major player in the integrated circuit industry nationwide, with seven new IC projects starting construction on Monday. PROVIDED TO CHINA DAILY

Integrated circuit projects to raise special district’s status

Total investment of \$22.51 billion to fund 105 planned corporate works

By YUAN SHENGGAO

Guangzhou Development District in South China’s Guangdong province welcomed seven new integrated circuit projects on Monday, further bolstering the district’s efforts to become a major player in the IC industry nationwide.

On Monday, Guangdong held an event announcing the construction for more than 1,000 major projects in the second half of 2021. Of them, 105 projects in Guangzhou Development District were started that day, with a total investment of 145.3 billion yuan (\$22.48 billion).

Projects for Guangzhou CanSemi Technology, Shennan Circuits, Guangdong Hinno-Tech and Shenzhen Zhicheng Semiconductor Materials, were among those started.

According to the district’s admin-

istrative committee, the Shennan Circuits project is expected to improve the domestic FC-BGA (flip chip ball grid array) packaging substrate industry ecology.

The FC-BGA packaging substrate is a core component for IC products, has high technical requirements, a long supply cycle and is difficult to purchase.

The completion of the Shennan Circuits project will play a positive role in promoting the development of the IC industry in Guangzhou Development District, according to the local government.

“The future development of the domestic high-end IC (industry) will not only rely on breakthroughs in wafer manufacturing, but also the development of FC-BGA packing substrate for high-quality chips,” said Yang Zhicheng, president of Shennan Circuits.

The company is projected to invest 6 billion yuan to develop FC-BGA packaging substrate in Guangzhou Development District, and this is because Guangzhou has already achieved remarkable results in building an IC industry ecology, according to Yang.

A newly started project of Guangzhou CanSemi Technology is a second-phase project for the company in the district.

Since it settled in China-Singapore Guangzhou Knowledge City, located in Guangzhou Development District, in 2017, CanSemi Technology has helped to attract 32 companies from sectors including chip design, packaging and testing and terminal application.

The project of Shenzhen Zhicheng Semiconductor Materials will focus on the research, development and production of new materials and core components for semiconductor chips.

Guangdong Hinno-Tech’s project in Guangzhou Development District is expected to realize an output value of 2.73 billion yuan by the third year after it’s put into operation. The project will be completed and start trial production as soon as December this year.

Most of the seven new IC projects are located in Guangzhou Development District’s semiconductor industrial park, which has a total planning area of 6.6 square kilometers.

As a national IC industry development demonstration area, the park aims to achieve a total annual revenue of its IC companies exceeding 65 billion yuan by 2025, and strives to be a key IC industrial cluster with global influence by 2035.

According to the local government, as of now, Guangzhou Development District has gathered more than 80 IC companies, the total revenue of which surpasses 10 billion yuan.

In addition, Guangzhou Development District signed 41 new projects at another event on Tuesday. With a total investment of 175.4 billion yuan, the projects have an estimated output value of 254.3 billion yuan.

The 41 projects cover sectors including new-generation information technology, biomedicine, new energy, artificial intelligence, digital economy and modern service.

As a domestic hub for developing biomedicine, Guangzhou Development District has gathered more than 3,000 biomedicine companies so far, and aims to achieve an industrial scale of 100 billion yuan.

China-Singapore Guangzhou Knowledge City opens new chapter of cooperative development

By YUAN SHENGGAO

A new international school at China-Singapore Guangzhou Knowledge City in South China’s Guangdong province is progressing smoothly with enrollments ahead of its opening in September this year.

SingChin Academy, a cooperation project between China and Singapore, is affiliated to Hwa Chong Family of Schools.

SingChin Academy, which involves a total investment of 1 billion yuan (\$154.76 million), will offer a 12-year international bilingual curriculum covering primary, junior middle and senior middle schools.

Covering 7 hectares, with a total floor area of 100,000 sq m, the academy will be able to accommodate 3,000 students.

The project is not only a new benchmark for cooperation in basic education between Singapore and Guangdong, but is also expected to offer education for the children of talents from across the world in China-Singapore Guangzhou Knowledge City.

China-Singapore Guangzhou Knowledge City, founded in 2010, was upgraded to a State-level bilateral cooperation project in November 2018.

Featuring city-industry integration, the knowledge city combines areas of industrial development with supporting facilities, residen-



Staff members at Guangzhou CanSemi Technology, a semiconductor manufacturer located in China-Singapore Guangzhou Knowledge City, inspect equipment. PROVIDED TO CHINA DAILY

tial areas and cultural attractions, to allow residents to conveniently live and work there.

Statistics show that by the end of 2020, the city had poured in a total investment in fixed assets exceeding 180.4 billion yuan, and lured 23,600 companies to settle, with total registered capital of 439.3 billion yuan.

“With the upgrading of its overall development plan, the Guangzhou knowledge city has entered the second phase of development and construction, which focuses on forward-looking fields such as intellectual property, digital economy, smart cities and scientific and tech-

nological innovation,” said Xu Hui, deputy director at the development and construction office of China-Singapore Guangzhou Knowledge City.

As an important driver of the second phase of the Guangzhou knowledge city’s development, the Sino-Singaporean demonstration zone for international scientific innovation cooperation is under construction.

With construction starting in September last year, the demonstration zone has a planning area of 2 sq km and is set to reap a total investment of 50 billion yuan. The zone will prioritize the development of

industries including biomedicine, health, intelligent manufacturing, new-generation information technology, new materials, new energy and financial services.

The knowledge tower, another benchmark project between Singapore and Guangdong, the main part of which started construction in June last year, is scheduled for completion in 2024.

With a design height of 330 meters, the tower will be a super-high-rise office and sharing space, helping promote China-Singapore cooperation in scientific and technological innovation, urban construction, personnel exchanges and training and investment attraction.

Behind all the achievements made in the Guangzhou knowledge city is China-Singapore Guangzhou Knowledge City Investment & Development, which is responsible for the overall development of the city and the investment and construction of its infrastructure and supporting facilities.

“The company is an important platform for China-Singapore cooperation in Guangdong. In the future, the company will deeply integrate the resources of both sides to help build a global industrial ecosystem with smart technology industries as the core in the Guangzhou knowledge city,” said Chen Changxin, CEO of China-Singapore Guangzhou Knowledge City Investment & Development.

Urban renewal schemes to revitalize environment

By YUAN SHENGGAO

Guangzhou Development District in South China’s Guangdong province is making efforts to refresh the city’s appearance, with the district launching a series of projects on Tuesday.

Apart from signing agreements for 41 industrial projects, the development district started the construction of 50 urban renewal projects, and put into operation another 266 projects on the same day.

The projects involve a total investment of more than 370 billion yuan (\$57.23 billion) and are expected to generate a production output value of 570 billion yuan.

According to the local government, the 50 urban renewal projects, with total investment of 42.1 billion yuan, will cover 158 hectares. They include villagers’ resettlement houses, educational projects and old residential community renovation projects. The livelihood projects will account for 86 percent of the total.

There are 22 resettlement housing projects under construction. The projects will cover an area of 2.09 million square meters and are planned to involve an investment of 26.9 billion yuan. After completion, more than 20,000 apartments will be available.

Seven settlements are to begin construction of education support projects.

For instance, the village of Tangcun will build five kindergartens, two primary schools, one high school and one nine-year school, which covers primary and high-school education. Covering 57,000 sq m altogether, the schools are

expected to become an educational resource hub of China-Singapore Guangzhou Knowledge City, with a planned investment of 150 million yuan.

According to Hou Ben, director of the Guangzhou development district urban renewal bureau, since it was approved as a pilot of reform and innovation in the reconstruction of Guangdong, the development district has released a series of policies and action plans for “three-old projects”, which refers to old towns, old factories and old villages.

Last year, the total area of buildings marked for demolition reached 14.9 million sq m. This accounts for 78 percent of such work over the past 10 years. In 2020, it made up 83 percent of the village reconstruction and demolition work in Guangzhou city.

In the first five months of this year, the local government removed 6.12 million sq m of old village houses, with a fixed investment of about 21.23 billion yuan, up 313 percent year-on-year.

According to the local government, urban renewal also aims to promote industrial development. In recent years, Guangzhou Development District has created 1.7 square kilometers of industrial land through the reconstruction of old factories, which provided high-quality resources for investment projects and industrial development.

The district is expected to provide industrial land of 30 sq km. The average output value of the industrial land could reach 20 billion yuan per sq km, which is four times higher than before.



Guangzhou Development District in Guangdong province launches a series of projects to refresh the city’s appearance. PROVIDED TO CHINA DAILY

Resources to improve residents’ livelihoods

By YUAN SHENGGAO

As a State-level cooperation project between China and Singapore, China-Singapore Guangzhou Knowledge City has a permanent population exceeding 130,000 inside a total planning area of 232 square kilometers.

Since its establishment in 2010, the Guangzhou knowledge city has formed industrial clusters of biopharmaceuticals, integrated circuits and new energy vehicles. They involve a raft of companies including BeiGene, InnoCare Pharma, CanSemi and Xpeng Motors.

In addition, the Guangzhou knowledge city has made strides in the creation, utilization and protection of intellectual property, as well as its capabilities in nanotechnology innovation.

So far, the knowledge city has introduced 165 major projects. It also has 186 projects under construction, which are expected to have an output value surpassing 554 billion yuan (\$85.78 billion).

In efforts to improve its supporting facilities, China-Singapore Guangzhou Knowledge City aims to forge an international community for the professionals working there.

A traffic network consisting of eight rail transit lines, five highways and seven urban expressways has been built to connect the knowledge city with major cities throughout the Guangdong-Hong Kong-Macao Greater Bay Area.

The knowledge city has plans to build 78 schools, of which 22 are already complete, to realize an educational coverage from kindergarten to senior middle school.

It has also introduced high-level research institutes such as Xidian University and the University of Chinese Academy of Social Sciences, to build a science and education innovation park with international influence.

In terms of medical and health-care, the knowledge city has gathered medical resources such as the cancer prevention and treatment center of Sun Yat-sen University and Nanfang Hospital.



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