

Striving Towards a Modern Coastal Metropolis

Ningbo: What to Expect in the Next Five Years

By Gou Wen

Ningbo has achieved many notable goals in the past five years according to the city government's Work Report. The GDP of the region increased from 897.3 billion yuan to 1.4595 trillion yuan, rising from the 16th to 12th place in China; Revenue in the general public budget increased from 111.5 billion yuan to 172.3 billion yuan, jumping from the 12th to 10th place...

Yet the city's ambitions go further than that. By 2026, the regional GDP is expected to reach 2.2 trillion yuan, the per capita GDP 220,000 yuan. Delegates of the Ningbo Municipal People's Congress and members of the CPPCC Ningbo Municipal Committee put forward suggestions and expectations for the future development of the city.

The Core Strength of Manufacturing

Manufacturing industry is the key for local economic and social development. Wang Haiming, the Chairman of Ningbo Behealthy Technology Group, believes that the future of Ningbo manufacturing lies in intelligent innovation.

In Wang's view, to enhance the global competitiveness in smart manufacturing and innovation, Ningbo can explore and build a new platform for an "industrial brain", a cutting-edge cloud-based AI for industries first initiated by Alibaba Cloud. It is important to seize the opportunity of industrial brain development, explore the intelligent scientific decision support system for enterprises, industries and governments, and provide platform support for Ningbo to promote the high-quality development of its manufacturing industry.

At the same time, because the industries use a wide variety of manufacturing equipment, which is operated under different and complex systems, making the interconnection difficult and expensive. The isolated "data islands" are common in the industry.

Aiming at this problem, he also suggests that Ningbo can speed up the building of a number of intelligent manufac-



Ningbo is developing rapidly.

[Photo by Xu Neng]

turing service platforms and strive to make greater breakthroughs in industrial software and intelligent manufacturing systems.

In doing that, the state authorities may take the leading role and the enterprises the main actors, together with other stakeholders, they may be ankle to jointly cultivate and form a number of powerful and influential intelligent manufacturing service platforms, break down the data barriers between equipment and systems, and provide an intelligent manufacturing data center solution that integrates data acquisition, data processing and data analysis.

From a market perspective, new energy vehicles are also another key driver for the future. Li Weiping, the CGO of Geely Auto Group, thinks that it is high time for Ningbo to follow the trend and tap on the opportunities brought up by the new blue ocean of new energy vehicles. Ningbo should firmly pursue the rapid development of the new energy vehicle industry, further promote cross-industry integration, and create a new

driving force for the new energy vehicle and chip semiconductor industry on the basis of maintaining the number and scale of traditional vehicles.

Civilization, a Golden Name Card of Ningbo

There are no bystanders in building a city with good manners. Ningbo has been awarded the title of National Model City for six times, now this city is striving for a higher goal.

Chen Luna works and lives in Fenghua. She says that there are 974 registered volunteer teams and nearly 100,000 registered volunteers. Today, the streets and lanes of Ningbo are becoming cleaner and more beautiful, the infrastructure increasingly improved, and the citizens are equally paying more attention to their manners.

To become the Capital of Civility in China, Ningbo understands that the devil is in the details. In Sha Rina's view, whether building a future community or transforming an old community, the premise is to deeply tap the unique and rich

cultural connotation of the community, build a public culture and art experience space, enrich the cultural supply, enhance the sense of belonging and pride of community residents, and build a new space to highlight the cultural charm and humanistic feelings of Ningbo.

Adding Unique Charm to a City

How to make Ningbo more unique? Cao Yun puts forward a novel perspective: advocating that the fallen leaves should not be swept, so as to build a natural poetic modern coastal metropolis.

"Some cities, such as Hangzhou, Beijing and Shanghai, do not sweep or delay sweep the fallen leaves, as an effort to keep the natural scenery. Citizens and tourists support this approach," Cao Yun says.

In addition, keeping the fallen leaves will not only improve the harmonious coexistence between man and nature, but also help to form a layer of humic substance in the green space that improves the soil

quality. Of course, such an initiative does not mean simply leaving the leaves unattended. Cao Yun believes that a region- and time-based sweeping plan can be scheduled.

To better show the beauty of Ningbo to citizens and tourists, Yan Hui thinks of a unique plan, which is upgrading and optimizing mini-buses.

"Comprehensively sort out and integrate Ningbo's urban cultural resources, landmarks, theme parks, streets, and alleys and various memorial buildings, and add corresponding stops on the existing mini-bus routes to fully display the details and image of a modern coastal metropolis," Yan Hui says.

In addition, she suggests refining Ningbo's city visual identity system to fully incorporate the city's urban and culture heritage. The system can be applied to the exterior and interior design of mini-bus, including windows, handles, and seats. Video introduction to attractions on the route can be showed on the screens in the mini-bus, she further adds.

SPOTLIGHT

Beilun: Zero Carbon Lighting System Supports the Asian Games

By Dong Na

Recently, all 56 competition venues of the 2022 Hangzhou Asian Games and Asian Para Games passed the completion inspection. Among them, six stadiums and the Hangzhou Asian Games Village are using the daylighting system produced by a company in Beilun District, which reduces the energy consumption of stadiums by 30% to 50%.

This daylighting system from Ningbo Solatube Daylighting Technology can bring the natural light from outdoors into the room evenly through the external optical collection system and the "Colorless" pipe with 99.7% reflectivity, and there is no CO₂ emission.

"We have installed 210 sets of daylight guide tube lighting systems in two venues, the basketball arena and the swimming pool, at the Hangzhou Olympic Sports Center. All sets are installed on the top of the arena, replacing the conventional lighting system. By collecting natural light and shining it into the arena through the transmission area, it can reduce the energy consumption of the arena by 30%," Xiang Jian, the company's Technical Director, said.

"The Hangzhou Olympic Sports Center has specific requirements for the game scene, for example, they sometimes need to adjust the whole environment from dark to light. For that, we developed a special model of dimmer, which is able to adjust the light according to the requirements of the game scene, a technical improvement we have made over the years," General Manager Fang Jiangfan said.

The company's daylighting system was installed in the Taekwondo Gymnasium of the University of Science and Technology Beijing during the 2008 Beijing Olympics. After that, Solatube has been constantly improving its product during the last decade and successfully won the bid for the Hangzhou Asian Games stadium lighting project in 2020. The lighting systems were completed in July 2021 and passed the project acceptance.

"This project is a much treasured experience and exploration for us. Next, we will further increase the investment in the customization and smartness of our products to meet the individual needs of different clients," said Fang Jiangfan.



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双语汇 Different Tongues

蜜岩村：千年古镇，耕读传家

By Xu Zhuowei

The Miyan Village is located at the west end of the Zhangshui Basin, where the large and small Jiao Rivers converge. It is one of the famous historical and cultural villages in Ningbo. Its name, Miyan (translated as Honey Rock), is derived from a mountain next to the village, where wild bees build nests and store honey in the rocks for a long time.

蜜岩村地处章水盆地西端，大、小皎水系汇源之地，是宁波市首批历史文化名村。之所以命名为

蜜岩，是因为村旁有蜜山，有野蜂分巢岩石，岁久积蜜，故以蜜岩为村名。

The Miyan Village is the hometown of the Ying family, who have lived here for nearly a thousand years. There are many historic sites in the village. Most of the existing buildings were built in the Ming and Qing Dynasties. The more distinctive ones are Old Street, Changdau Street, Guifu Hall, Zhongzhai Gate, Shuangjiushan House, among others.

蜜岩村是应氏一族聚居之处，距今已有近千年历史。村中古迹众

多，现存建筑多为明清时期，清代为多，较有特色的有老街、长大屋街、桂馥堂、中宅墙门、双非山房等。

The Ying family in Miyan Village has always valued culture and education. To provide education for the family members, Ying Wensheng and his son Ying Guixin founded the "Chongyi School" for children in the village for free. Besides, Ying Weiqing and Ying Cunfu respectively founded the "Yuyu National School" and "Mishan National School". The village



Miyan Village./ 蜜岩村。

[Photo by Xu Neng] 徐能摄

has since been regarded as a local culture hub.

蜜岩村应氏家族历来重视文教，为解决族人的教育问题，村人应文生及其子应桂馨创办了

崇义学堂，免费招纳村中子弟。又有应维青、应存甫分别创建了愈惠国民学校、蜜山国民学校，塑造了浓厚的文化氛围。

