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Editor's Note:

The orderly progressing of the development of the Guangdong-Hong Kong-Macao Greater Bay Area and the publication of the Master Plan of the Development of the Guangdong-Macao In-depth Cooperation Zone in Hengqin will serve as the most convenient channel for Macao's integration into the national development. Apart from creating favourable conditions for Macao's industrial diversification, it will also provide a more ample space for the development of Macao's youths, especially with regard to innovation and entrepreneurship.

Targeting mainly youths and tertiary students in Macao, the Macao Youth

Entrepreneurship Training Camp at Guangdong-Macao In-depth Cooperation Zone in Hengqin 2021, hosted by Zhuhai Da Heng Qin Development Co., Ltd., organized a total of four phases of activities and trained over 140 trainees under the joint guidance of the Economic and Technological Development Bureau (DSEDT) and Livelihood Affairs Bureau of the Guangdong-Macao In-depth Cooperation Zone in Hengqin.

The DSEDT's Head of Technology Department Che Weng Keong attended the 2021 Guangdong-Hong Kong-Macao Academician Summit and Songshan Lake Science Conferences, held at Songshan Lake, Dongguan, on 1 December on behalf of the SAR Government to listen to the presentations on technology and strategic emerging industries delivered by a number of scientists and entrepreneurs.

1. DSEDT supports Macao youth innovation and entrepreneurship in the GMICZ and promotes industry-academia-research collaboration

The orderly progressing of the development of the Guangdong-Hong Kong-Macao Greater Bay Area and the publication of the Master Plan of the Development of the Guangdong-Macao In-depth Cooperation Zone in Hengqin will serve as the most convenient channel for Macao's integration into the national development. Apart from creating favourable conditions for Macao's industrial diversification, it will also provide a more ample space for the development of Macao's youths, especially with regard to innovation and entrepreneurship.

The Economic and Technological Development Bureau (DSEDT) is committed to strengthening the cooperation with relevant youth entrepreneurship incubators in the Guangdong-Macao In-depth Cooperation Zone in Hengqin (GMICZ), with the two sides mutually recognizing youth start-up projects and recommending them for residence in entrepreneurship incubators, providing diversified start-up support and professional consultancy services for Macao's youths and jointly incubating

youth start-ups with potential for their robust development. In addition, targeting the operational difficulties usually encountered by Macao's youths in their early stage of entrepreneurship in Hengqin, legal, accounting, taxation and other professional consultancy services are provided to start-up teams residing there through promoting the collaboration between the Macao Young Entrepreneur Incubation Centre and InnoValley HQin order to assist them to solve practical problems.

On promoting the collaboration between industry, academia and research, the DSEDT and Science and Technology Development Fund (FDCT) have established a working group to encourage tertiary institutions and enterprises to launch industry-academia-research collaboration by supporting qualified technology enterprises in Macao to join hands with State Key Laboratories to launch forefront technology exploration research projects, such as chip design and artificial intelligence natural language processing, among others, as well as supporting the two sides to jointly set up laboratories, so as to create a development

environment of industry-academia-research collaboration and support the long-term development of Macao's technology enterprises.

In the future, the SAR Government will explore enhancing the support measures through policy innovation to provide a better innovation and entrepreneurship environment for the development of Macao's youths in the GMICZ.



InnoValley HQ located in the GMICZ

2. Macao Youth Entrepreneurship Training Camp at Guangdong-Macao In-depth Cooperation Zone in Hengqin held in InnoValley HQ

Targeting mainly youths and tertiary students in Macao, the Macao Youth Entrepreneurship Training Camp at Guangdong-Macao In-depth Cooperation Zone in Hengqin2021, hosted by Zhuhai Da Heng Qin Development Co., Ltd., organized a total of four phases of activities and trained over 140 trainees under the joint guidance of the Economic and Technological Development Bureau (DSED) and Livelihood Affairs Bureau of the Guangdong-Macao In-depth Cooperation Zone in Hengqin.

Each phase of entrepreneurship training camp was themed with a different area, covering cross-border e-commerce, lifestyle e-commerce, artificial intelligence and cultural creativity, among others. The curriculum includes an introduction to the investment environment of and the interpretation of policy of the Cooperation Zone, as well as briefings on the new global trends of relevant industries and promotion tools to enhance the business skills of trainees. Persons-in-charge of innovation and technology enterprises stationing in Hengqin were also invited to share entrepreneurship experience and tips with trainees face-to-face.



Visiting a well-known artificial intelligence enterprise in Hengqin



Group photo of Macao trainees in the entrepreneurship training camp

3. 2021 Guangdong-Hong Kong-Macao Academician Summit and Songshan Lake Science Conferences held in Dongguan

The Economic and Technological Development Bureau (DSED) Head of Technology Department Che Weng Keong attended the 2021 Guangdong-Hong Kong-Macao Academician Summit and Songshan Lake Science Conferences, held at Songshan Lake, Dongguan, on 1 December on behalf of the SAR Government to listen to the presentations on technology and strategic emerging industries delivered by a number of scientists and entrepreneurs.

The Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area proposes to pursue the development of the “Guangdong-Shenzhen-Hong Kong-Macao” innovation and technology corridor. Macao is working on accelerating the development of

technological innovation and taking the development of the Guangdong-Macao In-depth Cooperation Zone in Hengqin as an opportunity to participate actively in the technology and innovation cooperation in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) for integration into the national technology development strategy. The 2021 edition of the Summit, which was themed “A Future Driven by Digital and Intelligence and Created by Chips”, focused on the semiconductor and integrated circuit industry. Through participating in the Summit, the DSED has gained a better understanding of the GBA’s latest technology and innovation development, which is conducive to deepening the technological exchange and cooperation between Guangdong and Macao.



DSED officers attend the 2021 Guangdong-Hong Kong-Macao Academician Summit

4. DSEDТ organizes innovation and entrepreneurship competition to facilitate PSCs technology enterprises to enter the GBA

The Economic and Technological Development Bureau (DSEDТ) organized the Innovation and Entrepreneurship Competition (Macao) for Technology Enterprises from Brazil and Portugal for the first time on 29 October in Macao with an aim to spur technology and innovation projects from Portuguese-speaking countries (PSCs) to enter the markets of the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) and Mainland by making use of Macao as a platform, so as to promote technological cooperation and exchange between China and PSCs.

Situated on the intersection of the national dual circulation, Macao possesses advantages such as “One Country, Two Systems” and being a platform between China and PSCs. With a foundation of years of work on advancing the “China-PSCs innovation and entrepreneurship hub”, it has sufficient qualities to serve as a bridge for technological cooperation and exchange between

China and PSCs.

Through the connection with eight incubators and tertiary research institutions in Brazil and Portugal, this competition brought together a total of twenty technology innovation enterprises in Brazil and Portugal to compete in the final. Projects in the final cover artificial intelligence big health, big data, new material and other areas. The competition eventually saw the awarding of the champion, first runner-up and second runner-up, as well as a “Largest Potential for Development in the Greater Bay Area Award” and a “Largest Potential for Transfer of Technological Value Award”. Through the competition, a platform is expected to be provided to PSCs technology innovation enterprises to enable their technologies enter the GBA through Macao.

After the competition, the matchmaking for the prized projects will continue for establishing connections with tertiary, financial and creation institutions in the GBA. At the Science and



The DSEDТ organizes the first Innovation and Entrepreneurship Competition (Macao) for Technology Enterprises from Brazil and Portugal



20 outstanding technology and innovation projects from Brazil and Portugal participate in the competition through online roadshows

Technology Week 2021 and Exhibition of Achievements in Science and Technology Innovation, which was just held in December at the 26th Macao International Trade and Investment Fair (MIF), there were booths dedicated to the projects in the competition. It is hoped that PSCs technology innovation enterprises will make good use of the role of Macao as a platform between China and PSCs to explore the huge Mainland market through Macao.



Technology and innovation projects from Brazil and Portugal showcase in MIF

5. DSEDТ visits three GMICZ authorities to strengthen alignment of major work

Officials of the Economic and Technological Development Bureau (DSEDТ) made a visit to the Guangdong-Macao In-depth Cooperation Zone in Hengqin (GMICZ) on 19 November to meet with Cheong Kok Kei, Acting Director of the Urban Planning & Construction Bureau of the GMICZ (UPCB), Yan Xiaodong and Xie Yingjun, Acting Deputy Directors of the Economic Development Bureau of the GMICZ (EDB), Yau Yun Wah and Zeng Weiping, Acting Deputy Directors of the Commercial Services Bureau of the GMICZ (CSB), and other representatives for enhancing the alignment of the major work of the Master Plan of the Development of the Guangdong-Macao In-depth Cooperation Zone in Hengqin (the “Master Plan”), so as to fortify the foundation of future cooperation in different areas between the two sides.

During the meeting with the UPCB’s acting director Cheong Kok Kei and other officers, Director Tai Kin Ip, Deputy Directors Chan Tze Wai and Chan Hon Sang and several head

officers of the DSEDТ listened to the UPCB’s presentation on the latest update of the urban planning of the GMICZ. The two sides also made an exchange on the planning related to developing the China-Portuguese-speaking Countries international trade hub and other work of the Master Plan.

The DSEDТ officials also had a meeting with the EDB’s acting directors Yan Xiaodong and Xie Yingjun. The two sides had an in-depth discussion on how to advance the development of traditional Chinese medicine and other industries of Macao’s brands, technology research and development (R&D) and high-end manufacturing, and especially the hi-tech industries that the Master Plan proposes to make great efforts to develop. Director of the DSEDТ Tai Kin Ip remarked at the meeting that the GMICZ is a support for the future development of Macao’s technology R&D and high-end manufacturing industries, as well as an important link in promoting Macao’s moderate economic diversification. The DSEDТ will follow

the planning of the Master Plan to make good and full use of the relevant policy benefits to drive the co-development of high-end technology industries between Macao and the GMICZ.

In addition, accompanied by the CSB's acting directors Yau Yun Wah and Zeng Weiping and other officers, the DSED officials visited the Integrated Services Center of the GMICZ to learn about the procedures of services of the integrated service area for business incorporation, business registration window for Hong Kong and Macao applicants and electronic government. The two sides also had an exchange on measures to facilitate the commercial services in the GMICZ in the future at a meeting.

Representatives of the DSED visiting the GMICZ also included, among others: Chan Weng Tat, Head of Foreign Trade and Economic Cooperation Department; Pong Kai Fu, Head of Research Department; Kong Son Cheong, Head of Licensing and Inspection Department; Cheang Hio Man, Head of Intellectual Property Department; Che Weng Keong, Head of Technology Department; and Chan Chou Weng, Head of Technology Application and Support Division.



Officials of the DSED meet with Cheong Kok Kei, Acting Director of the UPCB, and others



Officials of the DSED meet with Yan Xiaodong and Xie Yingjun, the EDB's acting directors, and others



Officials of the DSED visit the Integrated Services Center of the GMICZ to learn about its operation and services

6. Greater Bay Area Symposium - Greater Bay Area: Latest Opportunities under China's 14th Five-Year Plan held on 2 December

Co-organized by the Guangdong Administration for Market Regulation (Guangdong Intellectual Property Administration) (GAMR), Intellectual Property Department of the Government of the Hong Kong Special Administrative Region (IPD), Economic and Technological Development Bureau of the Government of the Macao Special Administrative Region (DSEDT) and Hong Kong Trade Development Council (HKTDC), the Greater Bay Area Symposium was held in a hybrid format on 2 December at the 11th Business of Intellectual Property Asia Forum. Director-General of the GAMR Mai Jiaomeng, Director of Intellectual Property of the Hong Kong Special Administrative Region Government Wong FukLoi, David, Deputy Director of the DSEDT Chan Tze Wai, Regional Director, Southern China of the HKTDC Mandy Ng and Vice Mayor of Guangzhou Municipal People's Government Tan Ping attended the Symposium and delivered remarks.

Deputy Director Chan Tze Wai indicated in her remarks that the 14th Five-Year Plan (14FYP) proposes expressly to “bolster intellectual property (IP) operation systems” and “implement the IP powerhouse strategy”, while the release of the Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area underscores the importance of innovation, upgrading and IP development. In the future, the DSEDT will continue to deepen the IP exchange and cooperation with the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) and participate in the development of the GBA with full effort. The bureau will also support the development of new industries such as technology research and

development and high-end manufacturing in the Guangdong-Macao In-depth Cooperation Zone in Hengqin, as well as traditional Chinese medicine and other industries of Macao's brands, so as to boost patent-intensive industries and inject new impetus to local technology and innovation development. Furthermore, the IP protection system and support policies will continue to be improved, and the level of facilitation of IP services will keep being enhanced to give full play to the important role of IP in creating a favourable business environment. She hopes that an exhibition, exchange, innovation and cooperation platform for IP achievements in the GBA will be created through this symposium, so as to introduce global resources for the high-quality development of the GBA and enhance the GBA's core competitiveness.

Han Xiucheng, former Director, researcher of the Intellectual Property Development & Research Center of China National Intellectual Property Administration, Lawrence Yeung, the IPD's Advisor of IP Consultation Service for Hong Kong SMEs, Yi Zaicheng, Associate Professor at the Faculty of Law, Macau University of Science and Technology and HaoChuanxin, Chairman of Guangdong Patent Attorneys Association, were invited to the symposium to introduce the national IP strategic planning and deliver keynote speeches on the development of IP sectors in Guangdong, Hong Kong and Macao with a focus on the development opportunities of IP in the GBA under the 14FYP.

7. All-time high number of Macao candidates in the National Qualification Examination for Patent Attorney

The Qualification Examination for Patent Attorneys is a national uniform patent attorney practice entry qualification examination organized by the China National Intellectual Property Administration (CNIPA). Those who have passed the examination and obtained the Patent Attorney Qualification Certificate can practice as a patent attorney in the Mainland. In 2021, an all-time high of 9 candidates in the Macao SAR successfully entered for the examination.

To further enhance the level of economic and trade exchange and cooperation between the Mainland and Macao Special Administrative Region, the two sides signed the Supplement to the Mainland and Macao Closer Economic Partnership Arrangement (CEPA) on 29 October 2004 to expand the liberalization of trade in services of the Mainland. Eligible Macao residents are allowed to take the Qualification Examination for Patent Attorneys. Those who qualify for the certificate of qualification can practice in patent attorney organizations that have been approved for establishment in the Mainland. Those who fulfil the requirements can even become a partner or shareholder of the attorney organizations stated above.

Under the implementation of CEPA, eligible Macao residents are allowed to take the examination since 2004. This has broadened the room for development for Macao's professional and

technical personnel. With the further liberalization of trade in services policy, the State Council of the People's Republic of China issued the State Council's Reply on Agreeing to Temporarily Adjust the Implementation of Relevant Administrative Regulations and State Council Document Requirements in Pilot Zones of Comprehensive Deepening of the Innovative Development of Trade in Services on 9 October 2021, allowing foreigners who have obtained a Foreigner's Permanent Residence Permit issued by the Chinese Government and possess a patent attorney qualification of other countries to take the examination. Those who achieved a passing grade will be issued a Patent Attorney Qualification Certificate by the patent administration authority of the State Council.

The Qualification Examination for Patent Attorneys of 2021 was originally scheduled to be held on 6 and 7 November in 31 cities across the country. According to Announcement No. 457 of the CNIPA, to effectively prevent and control the COVID-19 epidemic and properly protect the health of candidates and examination staff, it is considered and decided that the examination will be postponed until further notice, and the new examination date will be determined later based on the development of the epidemic and the epidemic prevention and control measures of different places.

8. DSEDТ delegates attend the “Guangzhou and Macao Innovation Empowers Momentum, Intellectual Property Helps Development” forum

Jointly organized by the Guangzhou Development District Knowledge City International Intellectual Property Promotion Association and Macao Technological Innovation Association, a sub-forum of the 26th Macao International Trade and Investment Fair themed “Guangzhou and Macao Innovation Empowers Momentum, Intellectual Property Helps Development” was held on 11 December. Deputy Director of the Economic and Technological Development Bureau (DSEDТ) Chan Tze Wai attended the forum and delivered remarks.

Chan indicated in her remarks that intellectual property (IP) is an intangible property created by human intelligence. It covers copyright, patent, trademark and other areas, and is applicable to a variety of creative activities. The 14th Five-Year Plan proposes expressly to “bolster IP operation systems” and “implement the IP powerhouse strategy”. This highlights the importance of innovation, upgrading and IP development. The Guangdong-Hong Kong-Macao Greater Bay Area (GBA) has a well-developed industry and technology support. She believes that Macao’s open and inclusive location advantage is conducive to innovation enterprises leaning support on the GBA for jointly exploring the international market. She hopes that enterprises can make good use of the GBA’s resources and seek cooperation and development opportunities to participate actively in the GBA’s development.

Chan added that the DSEDТ will continue to

deepen the IP exchange and cooperation with the GBA in the future and participate in the GBA’s development with full effort. It will also continue to enhance the development of IP informatization and intelligitization and improve the level of facilitation in IP services on an ongoing basis, so as to give full play to the important role of IP in creating a favourable business environment.

Attending guests also included Kevin Ho King Lun, President of the Industry and Commerce Association of Macau, Lai Hongchuan, Secretary-General of the Guangzhou Development District Knowledge City International Intellectual Property Promotion Association, Jin Weigang, Director-General of the Macao Technological Innovation Association, Cheang Hio Man, Head of Intellectual Property Department of the DSEDТ, among others.



Guangzhou and Macao Innovation Empowers Momentum, Intellectual Property Helps Development