

Trade and Industrial Organisation Support Fund (TSF)

Final Report on Approved Project

Grantee	:	Hong Kong Association for Testing, Inspection and Certification Limited
Implementation Agent(s) (if any)	:	Hong Kong Productivity Council
Project reference no.	:	T19 003 020
Project title	:	Development of strategies and opportunities to explore markets in the Greater Bay Area (GBA) for the testing and certification industry in Hong Kong
Period covered in this report (whole project duration)	:	From 15/06/2020 to 14/3/2023 (dd/mm/yyyy) (dd/mm/yyyy)

1. Project Details

Project summary (in about 150 words)

The Hong Kong Council of Testing and Certification has continued to advise the overall development strategy of the industry to promote its services. The Mainland has been gradually opening its market to Hong Kong. The Outline Development Plan of Guangzhou-Macau-Hong Kong Bay Area promulgated in February 2019 would assist the local testing and certification industry to further explore the market opportunities in Mainland, especially in the Greater Bay Area. However, due to the rapidly changing manufacturing process and technology requirements, new standards, and regulations in different industries in Mainland will continue to evolve and hence it is difficult for the local testing and certification industry to acquire the latest information on standards and regulatory requirements of different industrial sectors which require testing and certification services from complicated systems in Mainland. Thus, it is crucial for Hong Kong's T&C industry to seize the market opportunities in GBA and to enhance its competitiveness in the regions. This project aims to provide HK T&C industry explore the GBA markets and learn about the related regulations by a series of below deliverables:

1. Knowledge enhancement seminar
2. Experience sharing seminar
3. Market study and report
4. Promotional video
5. Hong Kong pavilion in exhibition and concurrent expo seminar
6. 6 technical Seminars in GBA
7. A guidebook titled "Guidebook for Hong Kong T&C Industry in GBA"
8. Project website

Project objectives (in about 50 words)

- To explore new testing and certification opportunities in six potential markets in the Greater Bay Area (GBA) (i.e. 9+2 cities including Guangzhou, Shenzhen, Zhongshan, Dongguan, Huizhou, Foshan, Jiangmen, Zhuhai, Shaoxing, Macao and Hong Kong)
- To review the testing and certification systems and regulations in GBA
- To collect the view and opinions from relevant stakeholders on the development of testing and certification (T&C) industry in GBA
- To promote Hong Kong's T&C services to industries in GBA

Collaborating Organisations (if any)

1. The Hong Kong Exporters' Association Limited
2. The Hong Kong Electronic Industries Association Limited
3. The Hong Kong Institute of Environmentalist Limited
4. The Hong Kong Intimate Apparel Industries' Association Ltd

Key personnel

	<u>Name</u>	<u>Post title and name of organisation</u>
Project Coordinator	: Joseph Poon	Chairman of Hong Kong Association for Testing, Inspection and Certification Limited
Deputy Project Coordinator	: Martin Fan	Council member of Hong Kong Association for Testing, Inspection and Certification Limited

Project duration

	<u>Commencement date</u> (dd/mm/yyyy)	<u>Completion date</u> (dd/mm/yyyy)	<u>Project duration</u> (no. of months)
As stated in the project agreement	15/06/2020	14/06/2022	24
Revised (if applicable)	15/06/2020	14/03/2023	33

2. Summary of Project Results

Governance

Please state the composition of the steering committee (or other committees) formed under the project.

The steering company was composed of below:

- Chairman of HKTIC, Mr. Joseph POON
- Council member of HKTIC, Mr. Martin Fan

Representatives from the industry:

- Managing Director, TÜV Rheinland Hong Kong Ltd, Mr. Martin FAN
- Country Marketing Manager, Intertek Testing Services HK Ltd., Ms. Shelly LO
- Commercial Manager, Fugro Technical Services Limited, Ms. Fiona TSOI
- Senior Manager, SGS Hong Kong Limited, Ms. Cybil LAW

Project deliverables

Please list out the project deliverables carried out during the project duration in accordance with the approved project proposal and provide details on the actual result achieved for each deliverable.

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
I. seminar			
1st seminar - Knowledge enhancement seminar Date: 22 January 2021 Time: 14:00-17:30 (3.5 hours) Venue: Theatre 2, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong Format: Hybrid modes <u>Topics covered:</u> (i) The edges of the Hong Kong testing and certification industry (ii) Leading role in inspection, testing and certification to serve the high-quality development of the Greater Bay Area (iii) Introduce the project - "Strategies and Opportunities for the Hong Kong Testing and Certification Industry of expanding into the Greater Bay Area Market" and its upcoming activities (iv) Build a credential testing and certification public service platform to fuel the economic integration and coordinated development of the Greater Bay Area (v) National Quality Infrastructure (NQI) integrated services to promote high-quality development in the Greater Bay Area	Target no. of participants: 60 pax 4 speakers including 2 from Mainland	Actual no. of participants: 88 pax (70 online and 18 on-site) 10 speakers including 3 from Mainland	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>(vi) Panel discussion with experience sharing of enterprises which have entered the Greater Bay Area testing and certification market</p> <p><u>Speakers:</u></p> <p>(i) Professor Albert Yu Cheung-hoi, President of Hong Kong Council for Testing and Certification</p> <p>(ii) Mr. Yao Lei, deputy director of the Development Research Center of State Administration (Mainland speaker)</p> <p>(iii) Ms. Angela Yu, Senior Consultant of HKPC</p> <p>(iv) Ms. Guo Lijun, Director of Shenzhen Administration for Market Regulation (Mainland speaker)</p> <p>(v) Mr. Li Xiang, President of Shenzhen Institute of Metrology and quality testing (Mainland speaker)</p> <p>(vi) Mr. Ben Tsang, Chairman of Hong Kong Council for Testing and Certification</p> <p>(vii) Mr. Martin Fan, Executive Director of TÜV Rheinland Hong Kong</p> <p>(viii) Dr. Franki Lee, Director of Corporate Sales and Business Development of Hong Kong Standards and Testing Centre</p> <p>(ix) Mr. Arthur Lam, General Manager of Business Development of the Chinese Manufacturers' Association of Hong Kong</p> <p>(x) Mr. Patrick Lee, Consultant of Hong Kong Council for Testing and Certification</p> <p>Speaker fee was only paid to one Mainland speaker.</p>			
<p>2nd seminar</p> <p>Hong Kong T&C Industry Exploring the GBA Experience Sharing Session</p> <p>Date: 22nd February, 2023</p> <p>Time: 14:00-17:15 (3 hours)</p> <p>Venue: HKPC Theatre 2</p> <p>Topics covered:</p> <p>1. GBA Certification Outlook</p> <p>2. Release of "Guangdong-Hong</p>	<p>Target no. of participants: 60 pax</p> <p>4 speakers including 2 from Mainland</p>	<p>Actual no. of participants: 116 pax (75 online and 41 on-site)</p> <p>7 speakers including 2 from Mainland</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Kong-Macao Greater Bay Area Testing and Certification Industry Market Development Research Report"</p> <p>3. Project Summary of "Strategies and Opportunities for Developing Greater Bay Area Market for Hong Kong Testing and Certification Industry"</p> <p>4. "Carbon" seeks the future, starting with "footprint"</p> <p>5. Green supply chain helps enterprises to cope with new challenges in the world</p> <p>6. Introduction to "Hong Kong Association for Testing and Certification and Testing Personnel Certification Scheme"</p> <p>7. Professional quality inspection engineers in the Greater Bay Area</p> <p>8. New trends in cross-border monitoring of construction products</p> <p>Speakers:</p> <p>1. Mr Tin, Third-level researcher of Certification and Accreditation Supervision Department of Guangdong Municipal Administration for Market Regulation</p> <p>2. Mr Li, Consultant of Intertek Testing Services Hong Kong Ltd</p> <p>3. Ms Yu, Deputy director of healthtech and TCM of HKPC</p> <p>4. Ms Jiang, deputy director of the Certification Review Center of Shenzhen Institute of Metrology and Quality Inspection</p> <p>5. Mr Hong, Manager of Business Development Department of Hong Kong General Testing and Certification Co., Ltd.</p> <p>6. Mr Ho, Deputy General Manager of Laboratory, Fugro Technical Services Co., Ltd.</p> <p>7. Dr. Lo, Chairman of the Hong Kong Institute of Professional Auditors</p>			
<p>3rd seminar</p> <p>Technical seminar in Shenzhen</p> <p>Date: 25 November 2021</p> <p>Time: 14:00-17:15 (3 hours 15 mins)</p> <p>Venue: 9/F Conference Room, Shenzhen Academy of Metrology & Quality Inspection</p> <p>Format: Hybrid modes</p> <p><u>Topics covered:</u></p>	<p>Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2</p>	<p>Actual no. of participants: 60 (25 online and 35 on-site) (36 from Hong Kong and 24 from Mainland)</p> <p>3 Mainland and 2 Hong Kong speakers</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<ol style="list-style-type: none"> Overview on the market situation and demand of the Shenzhen testing and certification industry Major challenges and countermeasures regarding the safety risk management in the hydrogen energy industry Aerospace inspection platform to promote high-quality development Overview of the Hong Kong Testing and Certification Industry – Environmental Industry Opportunities brought by the development of Environmental, Social and Governance (ESG), circular economy, and carbon neutrality to the Testing and Certification Industry <p><u>Speakers:</u></p> <ol style="list-style-type: none"> Mr. Chunbo Ji, Vice President of Pony Testing International Group Co Ltd (Shenzhen) (Mainland speaker) Mr. Zhaorui Meng, Manager of Industrial Services and Information Security of TÜV Rheinland Greater China (Mainland speaker) Mr. Wang Yang, Assistant General Manager of China Aerospace Science and Technology Corporation (Mainland speaker) Mr. Kin Man Ho, Assistant General Manager of Laboratory of Fugro Technical Services Ltd. Mr. Wong Ching Yuen, Senior Manager of SGS Hong Kong Limited 	Hong Kong speakers		
4th seminar Technical seminar in Dongguan Date: 7 December 2021 Time: 14:00-17:15 (3 hours 15 mins) Venue: Dongguan Quality Supervision and Testing Center, Songshan Lake Science and	Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)	Actual no. of participants: 48 (13 online and 35 on-site) (27 from Hong Kong and 21 from Mainland)	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Technology Industrial Park, Dongguan City Format: Hybrid modes</p> <p><u>Topics covered:</u></p> <p>(i) The standard, accreditation and certification model of the innovative Greater Bay Area, which serve the high-quality industry development</p> <p>(ii) Aiding the high-quality sustainable development of the industry with the standard + evaluation model</p> <p>(iii) ESG, Monitoring, Reporting and Verification (MRV) and Life Cycle Assessment (LCA)</p> <p>(iv) Overview of the Hong Kong Food Safety Ordinance</p> <p><u>Speakers:</u></p> <p>(i) Mr. Ouyang Jun, Executive Vice President of Dongguan Inspection of Testing and Certification Association. (Mainland speaker)</p> <p>(ii) Mr. Qiao Hengyu, Deputy Manager of CCIC Dongguan Company (Mainland speaker)</p> <p>(iii) Dr. William Yu, Chief Executive Officer of World Green Organization</p> <p>(iv) Ms. Han Yan, Sales and Marketing Assistant Manager from Hong Kong Standards and Testing Center</p>	<p>2 Mainland and 2 Hong Kong speakers</p>	<p>2 Mainland and 2 Hong Kong speakers</p>	
<p>5th seminar</p> <p>GBA Testing and Certification Industry Exchange Seminar – Zhuhai</p> <p>Date: 11th April, 2022 Time: 14:00-17:15 (3 hours 15min) Venue: Multifunctional Room of Intellectual Property Protection Center, Industrial and Commercial Building (Zhuhai), 125 Renmin East Road, Xiangzhou District, Zhuhai</p> <p><u>Topics covered:</u></p> <p>1. Sharing of Zhuhai's testing and certification industry policies and a brief introduction to domestic</p>	<p>Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2 Hong Kong speakers</p>	<p>Actual no. of participants: 46 (26 online and 20 on-site) (26 from Hong Kong and 20 from Mainland)</p> <p>5 Mainland and 2 Hong Kong speakers</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>testing qualifications and certifications</p> <ol style="list-style-type: none"> Overall Situation and Demand Analysis of Zhuhai Certification Market Overall situation and demand analysis of Zhuhai testing market Overall Situation and Demand Analysis of Medical Device Industry Certification Market in Zhuhai Discussion about technological development and productivity promotion from the perspective of testing and certification Discussion on how to achieve carbon neutrality and catch up with the opportunities of low-carbon economy The situation of Chinese medicine testing in Hong Kong <p>Speakers:</p> <ol style="list-style-type: none"> Mr Xie, Level 4 researcher of Zhuhai Municipal Administration for Market Regulation Ms Yan, Certification Director of China Certification & Inspection (Group) Co., Ltd Mr Wong, vice director of Institute of Quality and Quantity Supervision and Detection in Zhuhai, Guangdong Ms Yuan, General Manager of Guangdong Hua Guang Certification of Medical Devices Co.,Ltd Mr Zhou, Secretary General of Zhuhai Association for Promotion of Science and Technology Mr Leung, Senior Manager of Electrical and Wireless Products of Intertel Testing Services HK Limited Mr Yip, Senior Chinese Medicine Consultant of CMA Testing 			
<p>6th seminar</p> <p>GBA Testing and Certification Industry Exchange Seminar – Foshan</p> <p>Date: 29th April, 2022 Time: 14:00-17:00 (3 hours) Venue: Conference Room, 10th Floor, 219 Fenjiang Middle Road, Chancheng District, Foshan, Guangdong Province</p>	<p>Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2 Hong Kong speakers</p>	<p>Actual no. of participants:65 (38 online and 27 on-site) (38 from Hong Kong and 27 from Mainland)</p> <p>4 Mainland and 2 Hong Kong speakers</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Topics covered:</p> <ol style="list-style-type: none"> 1. Introduction to the Supervision and Industry Support Policies and Measures of the Testing and Certification Industry in Foshan 2. Foshan testing market under the background of double carbon 3. Planning and construction, operation development and preferential policies of Shunde science and technology quality service gathering area 4. The coordinated development of certification and testing in the Greater Bay Area helps Foshan enterprises to develop integrated domestic and foreign trade 5. Introduction to European and American General Appliance Standards 6. Certification of construction products in Hong Kong <p>Speakers:</p> <ol style="list-style-type: none"> 1. Mr Yen, Party member, chief engineer of Foshan Municipal Administration for Market Regulation 2. Mr Cheung, Chief Engineer of Foshan Quality Metrology Supervision and Testing Center 3. Mrs Cheng, General manager of Industrial Service Center of Kechuang Group 4. Mr Wong, Deputy general manager of CVC Certification & Testing Co., Ltd 5. Mr Cheung, Manager of Electrical and Electronics of Bureau Veritas Hong Kong Limited 6. Mr Cheng Certification Manager of Fugro Technical Services Limited 			
<p>7th seminar</p> <p>GBA Testing and Certification Industry Exchange Seminar – Guangzhou</p> <p>Date: 7th June, 2022 Time: 14:00-17:15 (3 hours 15min) Venue: Meeting Room 5, 4/F, 3 Tiantai 1st Road, Kaitai Avenue, Science City, Huangpu District, Guangzhou</p> <p>Topics covered:</p> <ol style="list-style-type: none"> 1. Status of inspection and testing industry chain in Guangzhou 2. Development needs of food inspection and testing 	<p>Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2 Hong Kong speakers</p>	<p>Actual no. of participants: 45 (25 online and 20 on-site) (25 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2 Hong Kong speakers</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>3. Overview of Food Regulations in Hong Kong</p> <p>4. Threats and Opportunities of ESG and double carbon, Hong Kong TIC assists the development of the Greater Bay Area</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Mr Ling, Deputy General Manager of CVC Testing Technology Co., Ltd 2. Mrs Yiu, Dean of Guangdong Inspection and Certification Institute Group Co., Ltd 3. Mrs Han, Sales and Marketing Assistant Manager of Hong Kong Standards & Testing Centre Ltd 4. Mr Fan, executive Director of TÜV Rheinland Hong Kong 			
<p>8th seminar GBA Testing and Certification Industry Exchange Seminar –Zhongshan Date: 4th July, 2022 Time: 14:00-17:30 (3 hours 30min) Venue: Conference Room, 12th Floor, Zhongshan Market Supervision Administration, 48 Boai 6th Road, Zhongshan City, Guangdong Province Topics covered:</p> <ol style="list-style-type: none"> 1. Brief introduction to the development of testing and certification industry in Zhongshan 2. Supporting Energy Transformation and Transportation Electrification 3. The role and application of conformity assessment in intelligent manufacturing 4. Case sharing of TIC assisting the high-quality development of the lighting industry 5. Introduction to LED Lighting Trends and Certification 6. To bring transparency and credibility to fulfill the social responsibility of ESG commitment <p>Speakers:</p> <ol style="list-style-type: none"> 1. Mr Chuk from Guangdong Zhongren South China Testing Technology Co., Ltd. 2. Mr Chan, Minister of New Energy of China Quality 	<p>Target no. of participants: 40 (20 from Hong Kong and 20 from Mainland)</p> <p>2 Mainland and 2 Hong Kong speakers</p>	<p>Actual no. of participants:40 (20 online and 20 on-site) (20 from Hong Kong and 20 from Mainland)</p> <p>4 Mainland and 2 Hong Kong speakers</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Certification Center (Guangzhou)</p> <p>3. Mr Wu from China Quality Certification/ Intelligent manufacturing evaluation business operation center</p> <p>4. Ms Kan, Department head of CVC Testing Technology Co., Ltd</p> <p>5. Mr Yu, Senior Manager of Intertek Testing Services Hong Kong Limited</p> <p>6. Mr Winton Tsui, Senior Key Account Manager of TÜV Rheinland Hong Kong</p>			
<p>9th seminar</p> <p>Hong Kong inspection and testing industry develops the environmental protection industry market exchange meeting in the Greater Bay Area</p> <p>Date: 15th November, 2022</p> <p>Time: 14:30-17:30 (3 hours)</p> <p>Venue: Shenzhen World Exhibition & Convention Center (Bao'an) Hall 1,booth D59 (Hong Kong Pavilion)</p> <p>Topics covered:</p> <ol style="list-style-type: none"> 1. Contribute to the fight against pollution - self-monitoring of soil and groundwater in industrial enterprises 2. Environmental certification: biodegradable test and application 3. How to assist the sustainable development of the high-tech industry chain through different system certifications 4. How can enterprises practice green and sustainable finance 5. Catering to the general trend of sustainable development: supply chain chemical management 6. Soil (substrate) and water quality testing requirements and environmental stewardship services in South China <p>Speakers:</p> <ol style="list-style-type: none"> 1. Mr Au Yeung, Deputy Director of Ecology and Environment of Guangzhou Grg Metrology&test CO.,LTD 2. Mrs Wong, Deputy Director of Textile and Footwear Department of Intertek Testing Services HK Limited 3. Mr Winton Tsui, Senior Key Account Manager of TÜV Rheinland Hong Kong 	<p>Target no. of participants:20 (10 from Hong Kong and 10 from Mainland)</p>	<p>Actual no. of participants:34</p> <p>(24 online and 10 on-site)</p> <p>(24 from Hong Kong and 10 from Mainland)</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
4. Mr Hong, business development manager of SGS Hong Kong Limited 5. Mrs Lam, Sustainability Project Development Manager of Bureau Veritas (Hong Kong) 6. Mr Li, Business Manager of Environmental Testing Department of CMA Industrial Development Foundation Limited			
2. Guidebook for Hong Kong T&C industry in GBA			

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Publishing date: 10 Nov 2021</p> <p>(i) Conducted analysis on the current situation of the testing and certification industry</p> <p>(ii) Macro environment analysis</p> <p>(iii) Industry environment analysis</p> <p>(iv) Industry value chain analysis of the testing and certification industry</p> <p>(v) Analysis of the major enterprises in the industry</p> <p>(vi) Analysis of the obstacles facing by the development of testing and certification industry</p> <p>(vii) Analysis of entry barriers for the Hong Kong testing and certification industry</p> <p>(viii) Analysis on the ways of entry for the Hong Kong testing and certification enterprises</p> <p>(ix) Prospect analysis of the inspection industry</p> <p>No. of pages: 217 (17 pages for 1st issue and 200 pages for 2nd issue)</p> <p>Distribution channels: Project website and the technical seminars of the project</p> <p>E-version available at:</p> <p>https://www.hktictsf.org/t-chn/%E9%A6%99%E6%B8%AF%E6%AA%A2%E6%B8%AC%E8%AA%8D%E8%AD%89%E8%A1%8C%E6%A5%AD%E9%96%8B%E6%8B%93%E5%A4%A7%E7%81%A3%E5%8D%80%E6%8C%87%E5%8D%97/</p>	Target no. of printed copies: 800 copies	Actual no. of printed copies: 800 copies (400 copies for 1 st issue and 400 copies for 2 nd issue)	<p>The layout of one whole set guidebook contains 2 issues and 217 pages in total.</p> <p>The 1st issue is the executive summary and brief introduction of the guidebook and the 2nd issue is the main body.</p> <p>HKTIC thought that 2 issues from a brief introduction to main body would be easier for the industry to understand the guidebook step by step and fit for their reading habits and experience.</p> <p>Besides, the printing cost of the above 2 issues of guidebook (\$26,000) already exceeded the budgeted amount (\$22,400) by 16%. Therefore, HKTIC decided to print 400 copies each for the 2 issues of guidebook (800 copies in total).</p>
3. Video			
<p>Launching date: 15-01-2021</p> <p>Languages in voice-over: Cantonese and Putonghua</p> <p>Languages in subtitle: Cantonese and Putonghua</p> <p>Broadcasting channels: kick-off seminar, project website, and technical seminars, Hong KONG pavilion etc</p>	Target length of video: _10_ minutes	Actual length of video: _11:22_ minutes	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
Available for viewing at: https://www.hktictsf.org/t-chn/%E6%AA%A2%E6%B8%AC%E8%AA%8D%E8%AD%89%E5%89%B5%E5%95%86%E6%A9%9F%20-%20%E7%9F%AD%E7%89%87/			
4. Market study and report			
<p>Methodology: Publishing date:15 March 2021 Methodology:</p> <p>(i) Preliminary research by conducting desktop review: Completed the "Guangdong-Hong Kong-Macao- Greater Bay Area Research and Current Situation Analysis Business Memorandum"</p> <p>(ii) Questionnaire and survey: Completed the "Guangdong-Hong Kong-Macao Greater Bay Area Testing and Certification Industry Questionnaire". For different types of manufacturing enterprises in the Guangdong-Hong Kong-Macao-Greater Bay Area.</p> <p>(iii) In-depth interviews: Completed the "Guangdong-Hong Kong-Macao Greater Bay Area Testing and Certification Industry Development Market Research Interview Outline", and selected a total of 20 authoritative institutions, associations and enterprise representatives, etc. The interviewees were invited from the testing and certification enterprises in the Greater Bay Area, main practitioners, government regulators, association representatives, community representatives, and SME representatives. With consideration of the epidemic situation, the in-depth interviews were conducted in hybrid mode (both offline and online interviews); and</p> <p>(iv) Ultimately, on the basis of systematic research, the</p>	<p>Target no. of survey: 320 effective questionnaire out of 400 covering 6 potential markets</p> <p>Target no. of in-depth phone interview: 20 participants (5 from representative of the T&C industry in GBA, 5 from the individual customers in community and 10 from representatives of SME from the 6 potential markets in GBA)</p> <p>A market study report and upload to project website</p>	<p>Actual no. of survey: 325 effective questionnaire out of 420 covering 6 potential markets</p> <p>Actual no. of in-depth phone interview: 20 participants (5 from representative of the T&C industry in GBA, 3 from the individual customers in community and 12 from representatives of SME from the 6 potential markets in GBA)</p> <p>A report with around 80 pages was compiled and uploaded to project website https://www.hktictsf.org/t-chn/%E6%AA%A2%E6%B8%AC%E5%8F%8A%E8%AA%8D%E8%AD%89%E8%A1%8C%E6%A5%AD%E5%9C%A8%E5%A4%A7%E7%81%A3%E5%8D%80%E7%94%A2%E6%A5%AD%E7%99%BC%E5%B1%95%E5%B8%82%E5%A0%B4%E7%A0%94%E7%A9%B6/</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>"Guangdong-Hong Kong-Macao Greater Bay Area Testing and Certification Industry Market Development Research Report" was completed.</p> <p>Date of visit / survey (if applicable):</p> <p>5 from representative of the T&C industry in GBA</p> <p>(i) 中檢南方 2020.10.21 上午10:00-11:30</p> <p>(ii) 中檢集團深圳公司 2020.11.05 下午3:00-4:30</p> <p>(iii) 華測檢測香港公司 2020.12.21 上午10:00-11:00</p> <p>(iv) 華測檢測認證事業部 2020.12.24 下午2:00-3:00</p> <p>(v) 佛山市市場監督管理局 2020.10.12 下午4:00-5:30</p> <p>3 from the individual customers in community</p> <p>(i) 佛山市建築業協會 2020.10.12 上午10:40-11:50</p> <p>(ii) 智慧建築研究院 2020.10.12 下午2:00-3:30</p> <p>(iii) 深圳市玩具行業協會 2020.09.29 上午10:00-11:30</p> <p>12 from representatives of SME from the 6 potential markets in GBA</p> <p>(i) 桑力塑膠電子(深圳)有限公司 2020.09.26 上午10:00-11:30</p> <p>(ii) 佛山標美服飾 2020.11.17 上午10:00-11:00</p> <p>(iii) 惠州樂庭電纜 2020.11.23 上午10:00-11:30</p> <p>(iv) 廣東星幫尼科技股份有限公司 2020.11.30 下午4:00-5:00</p> <p>(v) 訊芯電子科技 2020.12.01 上午10:00-11:00</p> <p>(vi) 華昌陶瓷市場 2020.12.01 上午11:00-12:00</p> <p>(vii) 溫氏佳味食品 2020.12.01 下午2:30-3:30</p> <p>(viii) 金牌潔具有限公司 2020.12.02 上午10:00-11:00</p> <p>(ix) 東莞市鋁寶科技有限公司 2020.12.22 上午10:00-11:00</p> <p>(x) 江門賽科</p>			

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
2020.12.25 上午10:30-11:30 (xi) 柔曼原創睡衣 2020.12.26 下午2:30-3:30 東莞市森糖食品有限公司 2021.01.06 晚上7:15-8:15			
5. 23 rd IE Expo China – Shenzhen (Hong Kong Pavilion)			
23 rd IE Expo China – Shenzhen (Hong Kong Pavilion) Name and place of exhibition: 23 rd IE Expo China –Shenzhen Date: 15 th – 17 th Nov 2023 Size of pavilion: 72 sqm Other details: 1. A professional and high-quality Hong Kong testing and certification display zone was established and 6 companies from HK T&C industry are selected to display information of testing service for the industry according to below criteria: - Companies have industrial awards and be representative in the industry - Companies with HOKLAS accreditation - Companies with other international accreditation These selected 6 companies are as below: - Hong Kong Standards and Testing Centre - STC - Intertek Testing Services HK Limited - CMA Industrial Development Foundation Limited - SGS Hong Kong Limited - Bureau Veritas (Hong Kong) - TÜV Rheinland Hong Kong 2. 500 copies of pavilion brochure have been distributed to the onsite visitors to promote HK testing and certification services. 3. Below onsite promotion items are provided: - 1 color page promo in the fair catalogue - A set of road flags(4 flags) - 1 promotional board - 1 road sticker - 1 wechat account and 1 website promotion	Target no. of companies displayed: 4 companies	Actual no. of companies displayed: 6	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
6. Website / webpages			
Launching date: 8 Jan 2021 Web address: www.hktictsf.org	Target no. of website / webpages: 1	Target no. of website / webpages: 1	
7. Leaflets / Posters			
7.1 Contents: kick off seminar leaflet Distribution channels: onsite seminar	Target no. of designs: 1 Target no. of printed copies: 80 copies	Actual no. of designs: 1 Actual no. of printed copies: 80 copies	
7.2 Contents: final experience sharing seminar leaflet Distribution channels: onsite seminar	Target no. of designs: 1 Target no. of printed copies: 80 copies	Actual no. of designs: 1 Actual no. of printed copies: 80 copies	
7.3 Contents: SZ and DG technical seminar leaflet Distribution channels: onsite seminar	Target no. of designs: 2 (1 version per seminar) Target no. of printed copies: 50 copies/ technical seminar	Actual no. of designs: 2 (1 version per seminar) Actual no. of printed copies: 50 copies/technical seminar	
7.4 Contents: ZH, FS, GZ and ZS technical seminar leaflet Distribution channels: onsite seminar	Target no. of designs: 4 (1 version per seminar) Target no. of printed copies: 50 copies/ technical seminar	Actual no. of designs: 4 (1 version per seminar) Actual no. of printed copies: 50 copies/technical seminar	
Local association to promote the seminars in GBA through distribution of leaflets	<ul style="list-style-type: none"> 1 online promotion in the official website of the local association 1 online promotion in WeChat public account of the local association 1 eDM by the local association Leaflet distribution in the seminar of the local association to promote the 6 seminars in the project (1 version, 50 copies per seminar) 	<p>Shenzhen technical seminar Promoted once on the website of Shenzhen Quality Inspection Association, once on the WeChat public account "Shenzhen Quality Inspection" and twice on the WeChat public account "Shenzhen advanced quality management technology research institute".</p> <p>One eDM was delivered to the members of Shenzhen Quality Inspection Association.</p> <p>Dongguan technical seminar Promoted twice each on the website of Dongguan Inspection, Testing and Certification Association and WeChat public account "Dongguan Inspection,</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
		<p>Testing and Certification Association”.</p> <p>One eDM was delivered to the members of Dongguan Inspection, Testing and Certification Association.</p> <p>Zhuhai technical seminar Promoted once each on the WeChat public account “珠海科技促進會”.</p> <p>One eDM was delivered to the members of 珠海科技促進會.</p> <p>Foshan technical seminar Promoted once each on the website and WeChat public account “佛山品質計量監督檢測中心”.</p> <p>One eDM was delivered to the members of佛山品質計量監督檢測中心.</p> <p>Guangzhou technical seminar Promoted once each on the website and WeChat public account “廣州開發區檢驗檢測開發聯盟”.</p> <p>One eDM was delivered to the members of 廣州開發區檢驗檢測開發聯盟.</p> <p>Zhongshan technical seminar Promoted once each on the website of 中山家用電器行業協會 and</p>	

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
		WeChat public account 中山市智慧製造協會. One eDM was delivered to the members of 中山市智慧製造協會. 50 copies of leaflet were distributed per technical seminar	
8. Advertisements about HK pavilion in IE expo (Shenzhen) 2023			
Name of magazine: 廣東環保產業 Date of publication: 30 Aug 2023 Other details: 1 color page promotion at the bottom of the magazine	Target no. of pages (printed advertisement): 1	Actual no. of pages (printed advertisement): 1	

Key implementation stages

Please indicate in the status below if the deliverable is completed according to schedule (C), completed but delayed (D) or not achieved (N). If it is delayed or not achieved, please indicate the actual completion date (if applicable) and provide the reasons.

Project deliverable (all deliverables as set out in the approved project proposal)	Original target completion date ¹	Actual completion date (if applicable)	Status (C/D/N)	Reasons for not meeting the original target completion date
Preparation works and formation of steering committee of the project	15/06/2020		C	e.g. Note (i)
Preparation of project kick-off knowledge enhancement seminar	31/08/2020			
Preparation of project website				
(a) Preparation of market study				
Set up project website to promote the knowledge enhancement seminar	01/09/2020		C	e.g. Note (ii)
(b) Preparation of project video	30/09/2020			
Organising project kick-off knowledge enhancement seminar	01/10/2020		C	
Market study and report	31/01/2021			
(c) Project video				
Preparation of Guidebook and 6 technical seminars	01/02/2021		C	
Preparation of HK pavilion in exhibition and expo seminar	14/06/2021			
(d)				
Production of Guidebook	15/06/2021		C	
Organising 6 technical seminars	14/05/2022			
(e)				
Organising HK pavilion in exhibition and expo seminar	15/06/2021		C	
(f)	30/09/2022			

¹ As stated in the approved project proposal.

Project dissemination experience	01/10/2022		C	
sharing seminar	–			
Upload project deliverables to the	14/12/2022			
(g) project website				

Note:

(i)

(ii)