

## Trade and Industrial Organisation Support Fund (TSF)

### Final Report on Approved Project

Grantee	:	<u>Hong Kong Screw &amp; Fastener Council Limited</u>
Implementation Agent(s) (if any)	:	<u>Hong Kong Productivity Council</u>
Project reference no.	:	<u>T19 002 010</u>
Project title	:	<u>Promoting smart manufacturing capability for screw &amp; fastener industry using Multi Tasks Manufacturing technology to high-value-added alternative markets</u>
Period covered in this report (whole project duration)	:	From <u>03/12/2019</u> to <u>02/07/2022</u> (dd/mm/yyyy) (dd/mm/yyyy)

## 1. Project Details

### Project summary (in about 150 words)

The project will include participation in pavilions, sharing to stakeholder and international technical conference with overseas speakers etc. Through these pavilions, Hong Kong screw and fastener SMEs can expand the market share through the connection with the Asia / Europe market as to maintain the distinct competitive edge of cost-effective products as well as to promote their strong technical capability of Smart Manufacturing, such as “Multi Tasks Manufacturing technology” and professional image in producing high quality screws and fasteners.

### Project objectives (in about 50 words)

To promoting Smart Manufacturing capability for screw & fastener industry using Multi Tasks Manufacturing technology to high-value-added alternative markets through exhibitions and technical conference.

To provide an opportunity for HK SMEs in the screw and fastener industry to seize new business opportunities in high-value-added alternative markets.

### Collaborating Organisations (if any)

Hong Kong Federation of Innovative Technologies and Manufacturing Industries Limited  
The Hong Kong Metals Manufacturers Association Limited  
Hong Kong Auto Parts Industry Association Limited  
Hong Kong Aviation Industry Association Limited  
Collaborating Organisation(s) : Hong Kong Critical Components Manufacturers Association Limited

### Key personnel

	<u>Name</u>	<u>Post title and name of organisation</u>
Project Coordinator :	<u>Ms. Wu Wai Yee</u>	<u>Chairman of Hong Kong Screw &amp; Fastener Council Limited</u>
Deputy Project Coordinator :	<u>Ir.Suen Kwok Wai, Samson</u>	<u>General Manager, Smart Manufacturing division of Hong Kong and Productivity Council</u>

### 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	<u>03/12/2019</u>	<u>02/07/2022</u>	<u>31 months</u>
Revised (if applicable)	<u></u>	<u></u>	<u></u>

## 2. Summary of Project Results

### Governance

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

The steering committee comprises:

1 representative from the applicant – Hong Kong Screw & Fastener Council Limited (HKSFC): Mr Lin Zhiming (General Manager, Leda Metal Co.);

2 representatives from the implementation agent – Hong Kong Productivity Council (HKPC): Mr Samson Suen (General Manager) and Mr Chuck Fung (Head);

1 representative from one of the collaborating organisations – Mr Alan Suen (Chairman, The Hong Kong Metals Manufacturers Association Limited);

3 representatives from industry members – Mr Kyle Ng (Executive Director, Hip Hing Screw Industrial Company Limited), Ms Susu She (General Manager, Susu Co Limited) and Ms Dorothy Cheng (Administration Executive, Spintec Precision Manufactory Limited).

Role:

(i) To review the project progress, select exhibition booth location and decide on the design of the pavilions and the contents of the promotional materials; and

(ii) to select the enterprises to display their products during the exhibitions.

### 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)
<b>1. Hong Kong pavilions in exhibitions</b>			
<b>Pavilion 1</b> Name and place of exhibition: Manufacturing World Japan 2020 in Tokyo, Japan  Date: 26-28 February 2020  Size of pavilion: 160sqm  Selection criteria adopted: Manufacture high value-added screws and fasteners used in the medical & healthcare, aviation, automotive, railway & train, fire protection, hydraulic and consumer electronics industries  Selection criteria adopted for products displayed: (i) Must be high value-added screws and fasteners used in the medical & healthcare, aviation, automotive, railway & train, fire protection, hydraulic and consumer electronics industries; and (ii) Must be tailor-made fasteners (non-standard fasteners)	Target no. of products displayed: 180 products from 16 enterprises  Target no. of sub-assembly modules displayed: 21 sets in total  12 sets of sub-assembly modules for medical & healthcare, aviation and automotive industries made in D17 004 011 will be reused in the project (4 set for each industry)  9 set of sub-assembly modules to be produced for 3 industries: railway & train, fire protection and hydraulic industries (3 set of	Actual no. of products displayed: 700 products from 18 enterprises  No. of sub-assembly modules displayed: 21 sets in total  12 sets of sub-assembly modules for medical & healthcare, aviation and automotive industries made in D17 004 011 were reused in the project (4 set for each industry)  9 set of sub-assembly modules produced for 3 industries: railway & train, fire protection and hydraulic industries (3 set of sub-assembly modules for each industry)	N.A.

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>manufactured with Multi Tasks Manufacturing technology.</p> <p>Products and enterprises were selected by the steering committee.</p>	sub-assembly modules for each industry)		
<p>Pavilion 2</p> <p>Name and place of exhibition: Fastener Fair CONNECT</p> <p>Date: 17-18 November 2021</p> <p>Format: Virtual exhibition</p> <p>Selection criteria adopted: Manufacture high value-added screws and fasteners used in the medical &amp; healthcare, aviation, automotive, railway &amp; train, fire protection, hydraulic and consumer electronics industries</p> <p>Selection criteria adopted for products displayed:</p> <p>(iii) Must be high value-added screws and fasteners used in the medical &amp; healthcare, aviation, automotive, railway &amp; train, fire protection, hydraulic and consumer electronics industries; and</p> <p>(iv) Must be tailor-made fasteners (non-standard fasteners) manufactured with Multi Tasks Manufacturing technology.</p> <p>Products and enterprises were selected by the steering committee.</p>	<p>Target no. of products displayed: 250 products from 25 enterprises</p> <p>Target no. of sub-assembly modules to be virtually displayed: 21 sets in total</p> <p>12 sets of sub-assembly modules for medical &amp; healthcare, aviation and automotive industries made in D17 004 011 will be reused in the project (4 set for each industry)</p> <p>9 sets of sub-assembly modules to be produced for 3 industries: railway &amp; train, fire protection and hydraulic industries (3 set of sub-assembly modules for each industry)</p> <p>The virtual exhibition package includes 32 product showcases and 27 badges (i.e. accounts for participating in the virtual exhibition). Among the 32 product showcases, 25 showcases will be assigned to enterprises and the remaining 7 showcases will be used to display the 21 sets of sub-assembly modules. Among the 27 badges, one</p>	<p>Actual no. of products displayed: 1000 products from 25 enterprises</p> <p>No. of sub-assembly modules virtually displayed: 21 sets in total</p> <p>12 sets of sub-assembly modules for medical &amp; healthcare, aviation and automotive industries made in D17 004 011 were reused in the project (4 set for each industry)</p> <p>9 sets of sub-assembly modules produced for 3 industries: railway &amp; train, fire protection and hydraulic industries (3 set of sub-assembly modules for each industry)</p> <p>The virtual exhibition package included 32 product showcases and 27 badges (i.e. accounts for participating in the virtual exhibition). Among the 32 product showcases, 25 showcases were assigned to enterprises and the remaining 7 showcases were used to display the 21 sets of sub-assembly modules. Among the 27 badges, one badge was provided to each of the 25 enterprises, one badge was provided to Hong Kong Screw &amp; Fastener Council Limited and one badge was provided to HKPC.</p>	See note (ii) in Section 2.3.

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)
	badge will be provided to each of the 25 enterprises, one badge will be provided to Hong Kong Screw & Fastener Council Limited and one badge will be provided to HKPC.		
<b>2. Seminars</b>			
<p>Awareness Seminar (1<sup>st</sup> of the two seminars under this deliverable item)</p> <p>Date: 9 December 2019</p> <p>Time: 2:00pm-6:00pm (4 hours)</p> <p>Venue: Hong Kong Productivity Council Classroom 119</p> <p>5 local speakers:</p> <ol style="list-style-type: none"> <li>Ms Wu Wai Yee (General Manager, Kwok Tai Screws Manufactory Limited, the then Chairman of HKSFC during the time of awareness seminar and the current project coordinator)</li> <li>Mr Cheung Kin Ming (Chairman, Lee Fung Metal Products Factory Limited)</li> <li>Mr Tsui Ping Fai (Chairman, Chun Shing Trading Co., (HK) Limited and the Chairman of HKSFC since Dec 2019)</li> <li>Mr Lin Zhi Ming (General Manager, Leda Metal Co.)</li> <li>Mr Ng Hung Kiu (Executive Director, Hip Hing Screw Industrial Company Limited)</li> </ol> <p>(All speakers presented the 3 topics together)</p> <p>Topics covered:</p> <p>Topic 1: Explain the important role of multi tasks manufacturing technology in high value-added fasteners</p> <p>Topic 2: Exhibition details of Manufacturing World Japan 2020 and Fastener Fair Stuttgart 2021</p> <p>Topic 3: Discuss the benefits of participating in exhibitions in Japan and Germany and encourage the industry to join</p> <p>Q&amp;A session was held after the presentations.</p>	<p>Target no. of participants: 30</p> <p>Duration: 4 hours</p>	<p>Actual no. of participants: 35</p> <p>Duration: 4 hours</p>	<p>The seminar was organised in Classroom 119 instead of the HKPC theatre as set out in the proposal as all HKPC theatres were under renovation and only Classroom 119 was available on 9 December 2019. The hourly rate of Classroom 119 (\$720) is higher than the in-kind sponsored hourly rate of the venue (\$590).</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>Speakers: The speakers, Mr Cheung Kin Ming, Lin Zhi Ming and Mr Ng Hung Kiu are company representatives who have participated in the exhibition (Fastener Fair Stuttgart 2019) under the SDF project D17 004 011. The speakers were selected by the steering committee.</p>			
<p>Experience Sharing Seminar (2<sup>nd</sup> of the two seminars under this deliverable item) (completed after the reporting period)</p> <p>Date: 31 May 2022</p> <p>Time: 1:30pm-5:30pm (4 hours)</p> <p>Venue: Hong Kong Productivity Council Theatre 1</p> <p>Format: Hybrid mode (physical venue with live streaming via Zoom)</p> <p>5 local speakers:</p> <ol style="list-style-type: none"> <li>1. Mr Tsui Ping Fai (Chairman, HKSF) – Topic 1</li> <li>2. Ms Agnes Poon (Sales Manager, Chun Shing Trading Co., (HK) Limited) – Topic 2</li> <li>3. Mr Joe Wu (General Manager, Pacific Sky Enterprises Limited) – Topic 3</li> <li>4. Mr Spande Chang (Executive Director and China Cleaner Production Auditor, Winstar Chemicals Co., Limited) – Topic 4</li> <li>5. Mr Neo Zhou (Executive Director, Zmart Limited) – Topic 5</li> </ol> <p>Ms Agnes Poon is a company representative which shared her experience in participating in Pavilion 1 (Manufacturing World Japan 2020).</p> <p>Mr Joe Wu is a company representative which shared his experience in participating in Pavilion 2 (Fastener Fair CONNECT).</p> <p>Topics covered: Topic 1: TSF project review Topic 2: Experience sharing on Manufacturing World Japan 2020 Topic 3: Experience sharing on</p>	<p>Target no. of participants: 30 online and onsite participants</p> <p>Duration: 4 hours</p>	<p>Actual no. of participants: 62 (including 5 onsite and 57 online participants)</p> <p>Duration: 4 hours</p> <p>Work done by HKPC during the reporting period includes: liaising with speakers and company representatives which participated in Pavilion 1 and 2, arranging meeting with the steering committee to select the speakers, checking the availability of the speakers and the venue, preparing the rundown and the draft design of the leaflet for the experience sharing seminar.</p> <p>We have finished most of the preparation work of the seminar within the reporting period and originally expected that the experience sharing seminar could be held by early January 2022. However, we decided to postpone the experience sharing seminar to 31 May 2022 due to the fifth wave of COVID-19 pandemic and the related social distancing policy. Therefore, implementation fee of \$20,645 on the experience sharing</p>	<p>The experience sharing seminar was postponed and held on 31 May 2022 due to COVID-19 pandemic and according to the speakers' availability.</p> <p>Only two company representatives (instead of three company representatives as stated in the project proposal) shared their experiences in the seminar. As the exhibition experience of companies should be similar, we considered that it is more beneficial to include topics on industry-relevant technologies and information in the seminar. Therefore, we only invited two company representatives to share their exhibition experiences and invited two representatives to share relevant and up-to-date</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>Fastener Fair CONNECT</p> <p>Topic 4: A new green future solution for fasteners: application and case sharing of ZICOLLUM® chrome-free zinc-aluminium coating</p> <p>Topic 5: Research on fast optical inspection for fastener quality process control and big data application</p> <p>Q&amp;A session was held after the presentations.</p>		seminar was incurred during the reporting period.	technologies and information in the seminar.
<b>3. Conference</b>			
<p>International Technical Conference (completed after the reporting period)</p> <p>Date: 23 June 2022</p> <p>Time: 9:00am-6:00pm (8 hours)</p> <p>Venue: Hong Kong Productivity Council Conference Hall</p> <p>Format: Hybrid mode (physical venue with live streaming via Zoom)</p> <p>11 speakers:</p> <ol style="list-style-type: none"> <li>1. Mr Tsui Ping Fai (Chairman, HKSFC) – Topic 1 (Local speaker)</li> <li>2. Ms Lau Fook Mui (Deputy General Manager, Fortune Eagle Investment Limited) – Topic 2 (Local speaker)</li> <li>3. Dr Spencer Jan (Taiwan Metal Industries Research &amp; Development Centre) – Topic 3 (Taiwan speaker)</li> <li>4. Dr Chung Wei Der (Manager, Taiwan Industrial Technology Research Institute) – Topic 4 (Taiwan speaker)</li> <li>5. Mr Zhang Xian Ming (Senior Engineer, Zhejiang Tianli Fasteners Co. Limited) – Topic 5 (Mainland speaker)</li> <li>6. Dr Gerhard Arfmann (CEO, CPM GbmH) – Topic 6 (European speaker from Germany)</li> <li>7. Mr Peter Li (Senior Sale Engineer, NIFCO) – Topic 7 (speaker from a Japanese company)</li> <li>8. Mr Tae Wan, Kim (R&amp;D Manager, Hyodong Machine Co. Limited) – Topic 8 (Korean speaker)</li> </ol>	<p>Target no. of participants: 200 online and onsite participants</p> <p>Duration: 8 hours</p> <p>Target no. of speakers: 8 speakers in total (including 1 local speaker, 1 European speaker, 2 Japanese speakers, 1 Korean speaker, 2 Taiwan speakers and 1 Mainland speaker)</p>	<p>Actual no. of participants: 288 (including 40 onsite and 248 online participants)</p> <p>Duration: 8 hours</p> <p>Actual no. of speakers: 11 speakers in total (including 3 local speakers, 3 European speakers, 1 Japanese speaker, 1 Korean speaker, 2 Taiwan speakers and 1 Mainland speaker)</p>	<p>The conference was postponed and held on 23 June 2022 due to COVID-19 pandemic and according to the speakers' availability.</p> <p>According to the proposal, there should be two Japanese speakers at the conference. We have contacted 41 Japanese companies but only the Japanese company NIFCO agreed to send its representative from its Hong Kong branch to act as speaker of the conference. We consider the speaker from NIFCO a "Japanese speaker" as he is representing the Japanese company NIFCO. For the other Japanese speaker, we replaced it by inviting one more speaker from Germany</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>9. Prof Christoph Friedrich (Special Fastening Specialist, Zmart Limited) – Topic 9 (European speaker from Germany)</p> <p>10. Dr Hendrik Hubbertz (Special Fastening Specialist, Zmart Limited) – Topic 10 (European speaker from Germany)</p> <p>11. Mr Ng Hung Kiu (Executive Director, Hip Hing Screw Industrial Company Limited) – Topic 11 (Local speaker)</p> <p>Topics covered:  Topic 1: Greeting &amp; Introduce the Hong Kong industries' capability and development direction  Topic 2: Sharing of Hong Kong screw and fastener industry upgrading towards intelligent manufacturing  Topic 3: Technology upgrading model of the Taiwan fastener industry  Topic 4: Technology upgrading model of the Taiwan fastener industry – Smart Machine Box (SMB) break through the bottleneck of machine networking &amp; real-time monitoring  Topic 5: Lightweight design technology for tailor-made screws and fasteners  Topic 6: Cold forging process and tool design  Topic 7: Latest market requirement of automotive fastener and technical trend of the fastener industry in Japan  Topic 8: The advantage of link former &amp; case sharing of warm former  Topic 9: Improving product safety with screw joints  Topic 10: Modern calculation tools for innovative products  Topic 11: Summary</p> <p>Q&amp;A session was held after the presentations.</p>			<p>(the other two European speakers are both from Zmart Limited).</p> <p>For the three local speakers, no speaker fee was charged to the project.</p> <p>For the eight non-local speakers, speaker fee of around \$10,000 per speaker was charged to the project (except for Zmart Limited, which sent two representatives to be the speakers in the conference but only charged around \$10,000 for the two representatives). The fees charged will be reflected in the final report.</p>
<b>4. Directory</b>			
<p>Japanese and English versions</p> <p>Publishing date of the Japanese version: 9 January 2020</p> <p>Publishing date of the English version: originally published on 9 January 2020 (with 193 enterprises</p>	<p>E-version of directory</p> <p>Target no. of printed copies: 1,000 (500 for Japanese version and 500 for English version)</p>	<p>E-version of directory</p> <p>Actual no. of printed copies: 1,000 (500 for Japanese version and 500 for English version)</p>	<p>HKSFC originally planned to recruit Hong Kong SMEs to be included in the directory through its own</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>only) but the final version was published on 16 Nov 2021 and uploaded to the virtual exhibition platform and was available for viewing during 17-18 November 2021 (with 304 enterprises)</p> <p>Distribution channels:</p> <p>(i) Japanese version: 500 hardcopies distributed in Hong Kong pavilion in Manufacturing World Japan 2020 and e-version uploaded to project website (<a href="http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF.pdf</a>)</p> <p>(ii) English version: 500 hardcopies to be distributed in Fastener Fair Stuttgart 2021 originally (hard copies cannot be distributed as the physical exhibition has been cancelled) e-version uploaded to the Hong Kong pavilion on the virtual exhibition platform of pavilion 2 (Fastener Fair CONNECT) and the project website (<a href="https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Directory.pdf">https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Directory.pdf</a>)</p> <p>Soft copy available at: Japanese version: <a href="http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF.pdf</a></p> <p>English version: <a href="https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Directory.pdf">https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Directory.pdf</a></p>	<p>Target no. of Hong Kong enterprises</p> <p>included in the directory: over 300</p>	<p>Actual no. of Hong Kong enterprises</p> <p>included in the softcopy of the English directory: 304 (only 193 enterprises was included in the hardcopy of the English directory)</p> <p>Actual no. of Hong Kong enterprises included in the softcopy and hardcopies of the Japanese directory: 193</p>	<p>events in Hong Kong and events in Mainland during December 2019. However, the COVID-19 pandemic was serious in Mainland in December 2019 and the events in Mainland were cancelled. Hence, HKSFC was not able to recruit over 300 enterprises and only included 193 enterprises in the printed copies of the Japanese directory.</p> <p>The English version of the directory with 193 enterprises was also produced and printed together with the Japanese version for cost efficiency given that the design of both versions is essentially the same.</p> <p>All of the 500 hardcopies of the English directory were distributed in events organised by HKSFC.</p> <p>HKSFC has achieved the target of over 300 enterprises in the updated English directory. While HKSFC originally</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)
			planned to bear the printing cost of the updated English directory, the format of the exhibition in Germany was changed from physical to virtual, hence the updated English directory was uploaded to the virtual exhibition platform only.
<b>5. Website</b>			
<p>Launching date: 14 February 2020  Web address:  <a href="http://www.hksfcsdf.com/">http://www.hksfcsdf.com/</a>  (the website was constantly updated since launching date)  Can be accessed via QR code:</p>  <p>Other details:</p> <p>The QR code was printed on:</p> <ul style="list-style-type: none"> <li>(i) leaflet for the awareness seminar;</li> <li>(ii) leaflet and one-page advertisement on exhibition publication for Hong Kong Pavilion 1 in Japan;</li> <li>(iii) leaflet and directory banner for Hong Kong Pavilion 2 online;</li> <li>(iv) industry directory (both English and Japanese versions); and</li> <li>(v) leaflets for the experience sharing seminar and technical conference (after the reporting period)</li> </ul>	<p>Target no. of website: 1</p>	<p>Actual no. of website: 1</p>	<p>The time spent in the design stage and on the user acceptance tests before the launch of the website was longer than expected. As a result, the project website was launched on 14 Feb 2020 instead of before 31 Dec 2019 as stated in the proposal (i.e. delayed for 1.5 months). Therefore, the leaflet for the awareness seminar was only uploaded to the project website after the seminar was conducted on 9 Dec 2019. HKSFC will make sure all promotional materials are promptly uploaded to the project website once finalised for promotion of the relevant</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)
			deliverables.
6. Promotional activities			
<p>1(a) Leaflets for pavilion 1</p> <p>Distributed on: 26-28 February 2020</p> <p>Distribution channels: distributed in Hong Kong pavilion 1 (Manufacturing World Japan 2020) and e-version uploaded to project website (<a href="http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF-Leaflet-Japan2020.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2020/02/TSF-Leaflet-Japan2020.pdf</a>)</p>	<p>Target no. of design: 1 version (in Japanese)</p> <p>Target no. of printed copies: 1,500 (in Japanese) for Pavilion 1</p>	<p>Actual no. of design: 1 version (in Japanese)</p> <p>Actual no. of printed copies: 1,500 (in Japanese) distributed in Hong Kong pavilion in Manufacturing World Japan 2020</p>	N.A.
<p>1(b) Leaflets for pavilion 2</p> <p>Distribution channels: e-leaflet in English was uploaded to the virtual exhibition platform for Hong Kong pavilion 2 (Fastener Fair CONNECT) during 17-18 November 2021 and to the project website (<a href="https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Leaflet.pdf">https://events.hkpc.org/2077927790/TSF%20HK%20Pavilion2-Leaflet.pdf</a>)</p>	<p>Target no. of design: 1 version (in English)</p> <p>E-version</p>	<p>Actual no. of design: and 1 version (in English)</p> <p>E-version</p>	N.A.
<p>2(a) Leaflets for the awareness seminar</p> <p>Distribution channels: distributed in the awareness seminar (on 9 December 2019) and e-version uploaded to project website (<a href="http://tsf.hksfcsdf.com/wp-content/uploads/2020/03/TSF-Awareness-Seminar-Leaflet-1-1.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2020/03/TSF-Awareness-Seminar-Leaflet-1-1.pdf</a>)</p>	<p>Target no. of design: 1 version</p> <p>Target no. of printed copies: 300</p>	<p>Actual no. of design: 1 version</p> <p>Actual no. of printed copies: 300</p>	N.A.
<p>2(b) Leaflets for the experience sharing seminar (completed after the reporting period)</p> <p>Distribution channels: distributed in the experience sharing seminar (on 31 May 2022) and e-version was uploaded to project website (<a href="http://tsf.hksfcsdf.com/wp-content/uploads/2022/06/TSF-Sharing-Seminar-Leaflet_Finalised-.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2022/06/TSF-Sharing-Seminar-Leaflet_Finalised-.pdf</a>)</p>	<p>Target no. of design: 1 version</p> <p>Target no. of printed copies: 300</p>	<p>Actual no. of design: 1 version</p> <p>Actual no. of printed copies: 300</p>	N.A.
<p>3. Leaflets for conference (completed after the reporting period)</p> <p>Distribution channels: distributed in</p>	<p>Target no. of design: 1 version</p> <p>Target no. of printed copies: 500</p>	<p>Actual no. of design: 1 version</p> <p>Actual no. of printed copies: 500</p>	N.A.

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)
the conference (on 23 June 2022) and e-version was uploaded to project website ( <a href="http://tsf.hksfcsdf.com/wp-content/uploads/2022/06/Conference-leaflet_Finalised-2.pdf">http://tsf.hksfcsdf.com/wp-content/uploads/2022/06/Conference-leaflet_Finalised-2.pdf</a> )			
4. e-DMs invitation card for conference (completed after the reporting period)  Date of issuing eDMs: 21 June 2022  Distribution channels: via the network of HKPC  Actual no. of receivers: 1,584 on 21 June 2022	Target no. of design: 1 version	Actual no. of design: 1 version	N.A.
5(a) One-page post at the exhibition magazine  Name of publication: Floor Map of Manufacturing World Japan 2020  Date of publication: 19 February 2020	Target no. of page (printed advertisement): 1	Actual no. of page (printed advertisement): 1	In previous exhibitions of Manufacturing World Japan, exhibition magazine was published by the organiser. However, for Manufacturing World Japan 2020, the organiser only provided advertisement service on exhibition floor map. As such, we can only place the advertisement (as an image of H50mm x W50mm) on the floor map.
5(b) One directory banner on the virtual exhibition platform for Hong Kong Pavilion 2  Name of distribution channel: virtual exhibition platform of Fastener Fair CONNECT  Uploaded to virtual exhibition platform and was available for viewing during 17-18 November 2021	Target no. of banner: 1	Actual no. of banner: 1	N.A.

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)

### 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.

<u>Project deliverable</u> (all deliverables as set out in the approved project proposal)	Original target completion date <sup>1</sup>	Actual completion date (if applicable)	Status (C/D/N)	Reasons for not meeting the original target completion date
(a) Formation of project selection committee	31/12/2019		C	
(b) Update of project website	31/12/2019	14/02/2020	D	See note (i)
(c) Production of leaflet for the awareness seminar	31/12/2019		C	
(d) Organize and conduct the awareness seminar (Japan exhibition and Germany exhibition)	31/12/2019		C	
(e) Conduct research for the industry directory	31/12/2019		C	
(f) Design the leaflet and industry directory of Hong Kong screw and fastener SMEs (Japanese version)	31/12/2019		C	
(g) Finalize and produce the industry directory and leaflet of Hong Kong screw and fastener SMEs (Japanese version)	31/01/2020		C	
(h) Recruit and finalize the participant's information (Japan exhibition)	31/01/2020		C	
(i) Recruit participants to display products in the Hong Kong Pavilion (Japan exhibition)	31/01/2020		C	
(j) Ship the displayed items to Japan	31/01/2020		C	
(k) Design and build the Hong Kong Pavilion (Japan exhibition)	31/01/2020		C	
(l) Organize and conduct the Hong Kong Pavilion in Japan	31/10/2020		C	
(m) Update of project website	31/10/2020		C	
(n) Design and produce the e-leaflet and industry directory of Hong Kong screw and fastener SMEs (English version)	28/02/2021	16/11/2021	D	See note (ii)
(o) Recruit and finalize the participant's information (Germany exhibition)	28/02/2021	12/11/2021	D	See note (ii)

<sup>1</sup> As stated in the approved project proposal.

	Recruit participants to display products in the Hong Kong Pavilion (Fastener Fair CONNECT)	28/02/2021	12/11/2021	D	See note (ii)
(p)	Design and production of the directory banner in exhibition platform of Fastener Fair CONNECT	30/04/2021	16/11/2021	D	See note (ii)
(q)	Organize and conduct the Hong Kong Pavilion (Fastener Fair CONNECT)	31/05/2021	31/12/2021	D	See note (ii)
(r)	Update of project website	30/06/2021	31/12/2021	D	See note (ii)
(s)	Design & production of leaflet for the half-day experience sharing seminar (Japan exhibition and Germany exhibition)	30/06/2021	24/05/2022	D	See note (iii)
(t)	Recruit the participant for the experience sharing seminar	30/06/2021	31/05/2022	D	See note (iii)
(u)	Organize and conduct the experience sharing seminar	31/07/2021	31/05/2022	D	See note (iii)
(v)	Update of project website	31/07/2021	20/06/2022	D	See note (iv)
(w)	Design & produce the leaflet for the international technical conference	31/10/2021	20/06/2022	D	See note (v)
(x)	Recruit the participant for the conference	31/10/2021	22/06/2022	D	See note (v)
(y)	Organize and conduct the conference in Hong Kong	30/11/2021	23/06/2022	D	See note (v)
(z)	Update of project website	02/04/2022	02/07/2022	D	See note (ii)
(aa)	Report and evaluation	02/04/2022	02/07/2022	D	See note (ii)
(bb)					

Note:

- (i) The time spent in the design stage and on the user acceptance tests before the launch of the website was longer than expected.
- (ii) Due to the COVID-19 pandemic, the exhibition organiser announced that the exhibition in Germany was rescheduled from May 2021 to November 2021. A change request was submitted and approved in April 2021 to reschedule the timing of participation in the exhibition in Germany from May 2021 to November 2021 and to extend the project duration for three months until 2 July 2022. The exhibition organiser announced that the format of the exhibition changed from physical to virtual and the virtual exhibition would be held on 17-18 November 2021. A change request was submitted and approved in November 2021 to set up a Hong Kong pavilion in the virtual exhibition "Fastener Fair CONNECT" instead of the physical exhibition "Fastener Fair Stuttgart". In this connection, related deliverables (such as design and production of the e-leaflet and directory banner) were also delayed. The English directory was produced with the Japanese directory on 9 January 2020 and updated on 16 November 2021 for uploading to the virtual exhibition platform for pavilion 2.
- (iii) The experience sharing seminar was postponed and held on 31 May 2022 due to COVID-19 pandemic and according to the speakers' availability. In this connection, related promotional activities were also delayed.
- (iv) The photos of the experience sharing seminar were uploaded to the project website on 20 June 2022 due to technical problem encountered by the supplier of the project website.
- (v) The conference was postponed and was held on 23 June 2022 due to COVID-19 pandemic and according to the speakers' availability. In this connection, related promotional activities were also delayed.