

**SME Development Fund (SDF)/
Dedicated Fund on Branding, Upgrading and Domestic Sales (BUD Fund)
(Organisation Support Programme) (OSP)**

Final Report on Approved Project

Project ref. no.	:	<u>D14 002 009</u>
Project title	:	<u>An industry enhancement programme to assist Hong Kong screw and fastener industry to explore new markets and upgrade their technical capability for high value-added product applications</u>
Period covered	:	From <u>01/01/2015</u> to <u>29/02/2016</u> (dd/mm/yy) (dd/mm/yy)

1. Project Details

(Please mark with "*" if any of the following project details is different from that in the project proposal appended to the project agreement.)

Project Summary (in about 150 words)

This project is to help Hong Kong SMEs in the screw and fastener industry attain technical capability and updated industry knowledge for exploring business opportunities related to high-end product industries by the implementation of an industry enhancement programme which consists of an international conference on market and technology updates on the screw and fastener industry, technology seminars on specific technical topics, and production of a reference summary for technology dissemination.

Project Objective(s) (in about 80 words)

To help Hong Kong SMEs in the screw and fastener industry attain technical capability and updated industry knowledge for exploring business opportunities related to high-end product industries.

Grantee/Collaborating Organisation/Implementation Agent

Grantee : Hong Kong Screw & Fastener Council Limited
1. Hong Kong Aviation Industry Association
2. Hong Kong Auto Parts Industry Association
Collaborating Organisation(s) : 3. Hong Kong Plastic Machinery Association
Implementation Agent(s) : Hong Kong Productivity Council

Key Personnel

	<u>Name</u>	<u>Company/Organisation</u>	<u>Tel No. & Fax No.</u>
Project Co-ordinator	<u>: Zhi Ming LIN</u>	<u>Hong Kong Screw & Fastener Council Limited</u>	<u>2389 1993 / 2389 0803</u>
Deputy Project Co-ordinator	<u>: Kwok Keung LEE</u>	<u>Hong Kong Productivity Council</u>	<u>2788 5551 / 2788 6169</u>

Project Period

	<u>Commencement Date</u> (day/month/year)	<u>Completion Date</u> (day/month/year)	<u>Project Duration</u> (No. of months)
As stated in project agreement	<u>01/01/2015</u>	<u>29/02/2016</u>	<u>14</u>
Revised (if applicable)	<u></u>	<u></u>	<u></u>

2. Summary of Project Results

Project Deliverables

(Please list out the project deliverables as stated in the project proposal appended to the project agreement and provide details related to the actual result achieved for each of them.)

	Project deliverable	Quantifiable target number (e.g. 100 participants)	Actual result achieved (e.g. 90 participants)	Reasons for not achieving the target, if applicable (e.g. The total number of registered participants was over 120. However, some of them did not show up eventually. Will strengthen promotion and try to make up for the shortfall in the following two seminars.)
a)	Organization of 1-day international conference in Hong Kong	Around 200 participants	217 participants	N/A
b)	Organization of 6 seminars	Around 480 participants	349 participants	<p>For the first three seminars that were held in Shen Zhen, the number of participants was over 242 that met the target. However, when we changed the seminar location back to Hong Kong, the participation number dropped significantly. As our seminar topics were mainly related to different technology areas, engineers and technicians were very interested and they are our target audience. However, it was rather difficult to send those technical staff to Hong Kong for seminars under the busy production schedule.</p> <p>In view of the large drop in participation of the 4th seminar when compared with the three seminars before, apart from the promotions as what we did before, both the Grantee and HKPC additionally contacted some target participants from the industry by phone calls to invite them to come to our 5th and 6th seminar.</p>
c)	Publication of Reference Summary	400 copies	400 copies	N/A

Details of the deliverables (e.g. date, duration, venue, speaker, topic discussed, etc.)

(Please list out in table format if necessary.)

A 1-day international conference was organized on 12 October 2015 from 0930 to 1710 (7 hour 40 mins) at the Hong Kong Convention and Exhibition Centre in Hong Kong to promote communications among screw and fastener industries of five major screw and fastener production regions (Japan, Korea, Mainland China, Taiwan and Hong Kong) for discussion and sharing on industry development, high-end market situation, the latest technology advancement and new rules and regulations so as to look for new market opportunities. Topics discussed included 1) Industry 4.0 in Cold Forming/Forging Process, 2) Trend of Fastener Industry, 3) Production Technology of Screw and Fasteners in Japan, 4) Impact of Internet+ towards the Fastener Industry, 5) Upgrading Model of

the Taiwan Fastener Industry and 6) Succession Planning and Sustainability Development for Family Business. A total of 217 participants from Hong Kong, Mainland China, Taiwan, Japan and Korea joined the conference. Details of the conference are as follows:

Speakers	Representing Countries/Regions	Topics
Professor Mathias Liewald	Germany	Industry 4.0 in Cold Forming/Forging Process
Prof. KIM, Hong-Keun	Korea	Trend of Fastener Industry
Mr. Yoshikazu OISO	Japan	Production Technology of Screw and Fasteners in Japan
Mr. YANG, Jun-Feng	China	Impact of Internet+ towards the Fastener Industry
Dr. CHEN, Ching-Ming	Taiwan	Upgrading Model of the Taiwan Fastener Industry
Dr. TSUI, Ping-Kwong & Ms. Jennifer Tsui	Hong Kong	Succession Planning and Sustainability Development for Family Business

Six seminars was conducted on 10/04/2015 (in Shen Zhen), 15/05/2015 (in Shen Zhen), 10/07/2015 (in Shen Zhen), 28/08/2015 (in Hong Kong), 07/12/2015 (in Hong Kong) and 22/01/2016 (in Hong Kong) to introduce comprehensive knowledge that are essential for technology and capability upgrading to local manufacturers. Topics delivered by the speakers included 1) Novel Materials for Screws and Fasteners, 2) Testing for Screws and Fasteners and Updates on International Regulations, 3) Technology Advanced in Mould Design and Production for Screws and Fasteners, 4) Advanced Surface Treatment for the Fastener Industry, 5) Automation for Fastener Production and 6)Development of High-end Industries. The number of participants are 81, 76, 85, 41, 29 and 37 respectively.

Seminar	Date & Time (Duration)	Venue	Topic	Speaker (Country)
1st	10/04/2015 2-6pm (4 hours)	Shenzhen Golden Central Hotel	Novel Materials for Screws and Fasteners	潘永村博士 (Taiwan)、施政宏先生(Taiwan)
2nd	15/05/2015 2-6pm (4 hours)	Shenzhen Golden Central Hotel	Testing for Screws and Fasteners and Updates on International Regulations,	吳智釗先生 (China)、楊躍飛先生 (China)
3rd	10/07/2015 2-6pm (4 hours)	Shenzhen Golden Central Hotel	Technology Advanced in Mould Design and Production for Screws and Fasteners	Dr. Gerhard Hermann Arfmann (Germany)、張莉萍女士(China)
4th	28/08/2015 2-5pm (3 hours)	Sheraton Hong Kong Hotel & Towers	Advanced Surface Treatment for the Fastener Industry	周志輝先生 (China)、李健生先生 (China)
5th	07/12/2015 2-5pm (3 hours)	Hong Kong Productivity Council	Automation for Fastener Production	李佑龍先生 (Korea)、單銘賢先生 (Hong Kong)
6th	22/01/2016 2:30-5pm (2.5 hours)	Hong Kong Productivity Council	Development of High-end Industries.	張士火先生 (Taiwan)、黃喜龍先生 (Hong Kong)

A reference summary (400 copies) that includes the information collected during the seminars and conference was published to further disseminate the project deliverables to the industry. An electronic copy of the reference summary is also uploaded to the Applicant's website for free access.

Milestones (in chronological order)

(# Please indicate if the milestone is completed (C), deferred (D) or not achieved (N). If it is deferred, please indicate the revised completion date. For those milestones which are deferred or not achieved, please also provide the reasons under item 2.4.)

	<u>Milestone</u> (as set out in the approved project proposal appended to the project agreement)	<u>Original target completion date</u>	<u>Revised completion date</u> (if applicable)	<u>Status</u> (C/D/N) #
(a)	Preparation and Organization of Seminars	31/01/2016		C
(b)	Preparation of International Conference	31/10/2015		C
(c)	Organization of International Conference	30/11/2015		C
(d)	Production of Reference Summary	29/02/2016		C
(e)	Upload of Project Deliverables to Website	29/02/2016		C
(f)				
(g)				

Future Plan for Promoting the Project Deliverables (Nil if not applicable)

Nil
