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

<u>Final Report on Approved Project</u>

This report is for (please put "√" in either one box only):

[√] SDF Final Report

[ ] BUD Fund (OSP) Final Report

Project ref. no.   : D18 002 005
Project title   : Assist Hong Kong SMEs in connecting with global
                        Internet of Things (IoT) industries and enhancing
                        technology capabilities
Period covered   : From   01/02/2019   to   31/10/2020
                                (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)

Internet of things (IoT) is the key enabler to connect all things, it is next industrial revolution which is now changing our living in many ways that we never imagined before.

According to the Machina Research, by 2026, the total IoT market application service revenue will be US$1.8 trillion. In terms of the marketplace, the Top 5 and their shares are as below:
- Asia Pacific:US$707 billion
- Europe: US$453 billion
- North America: US$419 billion
- Latin America: US$115 billion
- Middle East/Africa: US$86 billion

Also, Hong Kong have many SMEs with full of talents in the IoT area, but those are facing big challenges in implementation of cyber security and understanding the standards regulations.

In order to help the HK SMEs understanding more IoT technologies and regulations, 2 seminars, 10 technical workshops, standards studies and e-guidebook will be used to train up more professionals from Electronics and ICT SMEs and enhancing their capabilities to develop the new potential businesses.

Project Objective(s) (in about 80 words)

With the advent of the 5G era, IoT has been the hottest topic of the world. Estimated the global IoT revenue will be increased to US1.8 trillion dollars, and 300 billion devices will be connected in 2026. Hong Kong Government also issued Smart City Blueprint for Hong Kong on December 2017 in order to build a world-famed Smart Hong Kong characterised by a strong economy and high quality of living. We believe it is golden opportunity for Hong Kong SMEs of Information & Communications Technology (ICT) and Electronics to expand their market in global IoT industry.

Therefore, we would like to take the opportunities to assist them connecting with global industry and enhancing their capabilities on IoT technologies, cyber security, related standards and regulations through organising awareness seminars, standards studies, technical workshops and tech-connect conference, and hence expand their business networks in worldwide markets.

Grantee/Collaborating Organisation/Implementation Agent

Grantee	:	Hong Kong Wireless Technology Industry Association Limited

1) Hong Kong Federation of Innovative Technologies and Manufacturing Industries Limited
2) SAE International (Hong Kong) Limited
3) Automotive Parts and Accessory Systems R&D Centre
4) Hong Kong Auto Parts Industry Association Limited
5) Hong Kong Internet of Things Alliance Limited
6) Asia Pacific Connected Vehicles Industry Association Limited
7) Hong Kong Computer Emergency Response Team Coordination Centre
8) Hong Kong Electronics & Technologies Association Limited
9) Communications Association of Hong Kong Limited
10) Hong Kong Cyberport Management Company Limited
11) Hong Kong Computer Society
12) Hong Kong Applied Science and Technology Research Institute Company Limited
13) Hong Kong Information Technology Federation Limited
14) Smart City Consortium Limited
15) Hong Kong Mould and Product Technology Association Limited

Collaborating Organisation(s)	:	16) Hong Kong Metals Manufacturers Association Limited
Implementation Agent(s)	:	Hong Kong Productivity Council

Key Personnel

	Name	Company/Organisation	Tel No. & Fax No.
Project Co-ordinator :	Roy Law	Hong Kong Wireless Technology Industry Association Limited	9120 6090 (Tel) / 8208 8782 (Fax)
Deputy Project Co-ordinator :	Rick Mo	Hong Kong Productivity Council	2788 5022 (Tel) / 2788 5680 (Fax)

Project Period

	Commencement Date (day/month/year)	Completion Date (day/month/year)	Project Duration (No. of months)
As stated in project agreement	01/02/2019	30/04/2020	15
Revised (if applicable)	01/02/2019	31/10/2020	21

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)	1st seminar: kick off seminar	100	102	
b)	Standards study on the IoT & Cyber Security Standards	1	1 Combined in the guidebook	
c)	10 Technical Workshops - workshop #1 - workshop #2 - workshop #3 - workshop #4 - workshop #5 - workshop #6 - workshop #7 - workshop #8 - workshop #9 - workshop #10	30 for each workshop	- workshop #1: 32 - workshop #2: 30 - workshop #3: 30 - workshop #4: 30 - workshop #5: 31 - workshop #6: 30 - workshop #7: 32 - workshop #8: 39 - workshop #9: 67 - workshop #10: 69	
d)	1 day IoT TechConnect Conference	200	233	
e)	Promotional Pamphlets	1,000 + 1 e-version	1,000 + 1 e-version	

f)	Guidebook (e-version)	1	1	
g)	2nd seminar: dissemination seminar	100	118	

Details of the deliverables (e.g. date, duration, venue, speaker, topic discussed, etc.)
(Please list out in table format if necessary.)

a) 1st seminar: kick off seminar

Title:	物聯網產業及技術研討會	
Date:	26 Apr 2019	
Duration:	14:00 – 17:00 (3 hours)	
Venue:	Theatre 2, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	物聯網的資安管理	香港電腦保安事故協調中心 - 梁兆昌先生
	建築。物聯網	華一科技有限公司 – 楊錦泉先生
	物聯網如何改變我們的生活	While True Codes – 黃韋龍先生及陳曉欣小姐

c1) Workshop# 1

Title:	Case studies in the application of Internet of Things in AI and Big Data	
Date:	18 September 2019	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 122, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Case studies in the application of Internet of Things in AI and Big Data	Dr George NG CEO Datable Limited

c2) Workshop# 2

Title:	Internet of Construction	
Date:	18 September 2019	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 107, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Internet of Construction	Mr Charles YEUNG Executive Director and General Manager Infotronic Technology Limited Mr Ono LEUNG System Architect Infotronic Technology Limited Mr Johnson YIM CEO E-Business Solutions Limited

c3) Workshop# 3

Title:	Enabling the IoT Connected World Through Cyber Security	
Date:	20 September 2019	
Duration:	09:30 – 12:30 (3 hours)	
Venue:	Classroom 107, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Enabling the IoT Connected World Through Cyber Security	Mr Kev HAU Head of Security Engineering North Asia Check Point Software Technologies

	Limited
	Mr Sherman CHOW Cloud Security, Regional Sales Director, North Asia and China Check Point Software Technologies Limited

c4) Workshop# 4

Title:	Enabling the IoT Connected World Through Cyber Security	
Date:	20 September 2019	
Duration:	09:30 – 12:30 (3 hours)	
Venue:	Classroom 107, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Enabling the IoT Connected World Through Cyber Security	Mr Kev HAU Head of Security Engineering North Asia Check Point Software Technologies Limited Mr Sherman CHOW Cloud Security, Regional Sales Director, North Asia and China Check Point Software Technologies Limited

c5) Workshop# 5

Title:	AI Transformation on Image Analytics	
Date:	20 September 2019	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 106, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	AI Transformation on Image Analytics	Mr Alan LEE Founder Risksis Technology Limited

c6) Workshop# 6

Title:	P2P與未來互聯網	
Date:	20 September 2019	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 106, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	P2P與未來互聯網	劉智聰先生 始創人 深圳巴克雲網絡科技有限公司

c7) Workshop# 7

Title:	Clarity for Operational Technology Networks	
Date:	24 September 2019	
Duration:	09:30 – 12:30 (3 hours)	
Venue:	Classroom 107, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Clarity for Operational Technology Networks	Mr David LEUNG ICS Cyber Security Consultant Clarity

c8)   Workshop# 8

Title:	迎接物聯網黃金十年工作坊	
Date:	12 August 2020	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 126, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong and Webinar by Microsoft Teams	
Speaker and topic discussed:	迎接物聯網黃金十年工作坊	王正偉先生 秘書長 中關村物聯網產業聯盟

c9)   Workshop# 9

Title:	Cybersecurity and regulations concern for smart home devices	
Date:	23 September 2020	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 124, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong and Webinar by Microsoft Teams	
Speaker and topic discussed:	網絡安全標準解讀	Mr Kenny LEE Technical Manager Bureau Veritas Taiwan
	智能家居市場進入	Mr Chris BAIRD Global Marketing Director Bureau Veritas Consumer Products Services
	IoT Security Standards	Mr Billy HO Security Analyst Hong Kong Productivity Council

c10)   Workshop# 10

Title:	5G & IoT: Towards a New Era of Wireless Communication Workshop	
Date:	14 October 2020	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	Classroom 122, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong and Webinar by Microsoft Teams	
Speaker and topic discussed:	Seven Trends Forming an Intelligent Digital Infrastructure	Mr Thomas CHENG Head of Digital Service Ericsson HK & Macau
	5G Solutions and Use Cases	Mr Alex KUN Head of Products & Services SmarTone

d)   1 day IoT TechConnect Conference

Title:	5G & IoT TechConnect Conference	
Date:	19 September 2019	
Duration:	09:00 – 17:00 (7 hours)	
Venue:	Conference Hall, 4/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	Welcome Remarks	Mr Roy LAW Chairman Hong Kong Wireless Technology Industry Association
	Opening Remarks	Dr Bernard CHAN Pak-li, JP Under Secretary of Commerce and Economic Development Hong Kong Special Administrative Region
	How IoT is Reshaping SMEs	Dr Lawrence CHEUNG Chief Innovation Officer Hong Kong Productivity Council
	5G Era: Development Strategy	Mr ZHAO Deng Lu

	of China Smart Vehicle	Marketing Director ZTE Corporation
	Connect and Materialise the Cloud Platform to Devices: Asia's role in the Global IoT Revolution	Mr Michael NG Executive Director Karin Group Mr Josh CHAI CEO SoftChef
	Internet of Construction (IoC) Opportunity	Mr Edward WONG Executive Director Infotronic Technology Ltd
	Do we need Wi-Fi 6?	Ms Linda HUI Managing Director Ruckus Networks
	Panel Discussion Topic: How 5G and IoT is Empowering the City	Mr Alex CHENG Principal Engineer China Mobile Hong Kong Mr Thomas CHENG Head of Digital Services Ericsson Mr Nick TANG Regional Engineer Manager Rohde & Schwarz Hong Kong
	Cybersecurity Insurance, How it Helps to Increase Visibility?	Mr Antony MA CEO Hoplite Technology Limited
	Approach to Secure IoT Devices: From a Home Appliance Manufacturer Perspective	Mr Hikohiro Y LIN Product Security Global Strategy Department General Manager and Head of Panasonic PSIRT Panasonic Corporation
	Clarity for Operational Technology Networks	Mr David LEUNG ICS CyberSecurity Consultant Claroty
	A More Efficient Way to Secure IoT in Your Enterprise	Mr Patric WU System Engineer Palo Alto Networks
	Looking Beyond the Perimeter: An Immune System for Smart and Digital Environments	Ms Yvette LAU Account Executive Team Lead Darktrace

g) 2nd seminar: dissemination seminar

Title:	Seminar on The Development Trend of Global IoT Technologies	
Date:	22 October 2020	
Duration:	14:30 – 17:30 (3 hours)	
Venue:	InnoSpace, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong and Webinar by Microsoft Teams	
Speaker and topic discussed:	The Value of IoT Technologies	Mr Mr Nelson TSE Founder Million Tech Development Ltd
	LPWAN IoT and Market Trends	Mr Joe SUN General Manager Thinxtra
	Global IoT Security Trends and Challenges	Mr Lawrence LAW Security Consultant HKCERT
	Leads Us Towards Data-driven Economy - AIoT and Its Ecosystems	Mr Desmond CHAN Lead Consultant Hong Kong Productivity Council

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.)

	Milestone (as set out in the approved project proposal appended to the project agreement)	Original target completion date	Revised completion date (if applicable)	Status (C/D/N) #
(a)	Kick off Seminar	30/04/2019	26/04/2019	C
(b)	Standards Study on IoT & Cyber Security standards	31/03/2020	02/12/2019	C
(c)	Promotional Pamphlet	20/08/2019	19/09/2019	D
(d)	1 day Conference	31/08/2019	19/09/2019	D
(e)	10 Technical Workshops	31/10/2020	14/10/2020	C
(f)	Guidebook	31/10/2020	21/10/2020	C
(g)	Dissemination Seminar	31/10/2020	22/10/2020	C

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

Nil