

**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. : BUD 16 1 003
Project title : To Develop Market Network of Internet of Vehicles
(IoV) in Mainland China, Assisting HK Companies
to Gain First Hand Business Opportunity
Period covered : From 01/10/2016 to 30/09/2018
(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)

Nowadays, Internet of Vehicles (IoV) is an essential component of the Internet of Things (IoT) and intelligent transportation. IoV has now been realized; enabling the interaction between vehicle and vehicle, vehicle and road, vehicle and people, vehicle and sensing equipment. This inter-connection not only helps propel travel but solve practical yet persistent problems such as traffic jams and bottlenecks.

Under the 13th Five-Year Plan, the Mainland may spur up building of smart city clusters and apply next-generation information technology to raise efficiency of city management. This would directly boost the demand for the application of IoV technology, generating opportunities for relevant service suppliers to enter the market. It is therefore an excellent opportunity for Hong Kong enterprises in Information & Communication Technologies (ICT) and Automotive Electronics (AE) sectors to show their strength and muscle in this area. Sadly, most of these enterprises lack awareness of mainland IoV policies and proper channels to promote and extend their business to the Mainland, slowing Hong Kong's IoV development in the Smart City space as well.

In order to help the industry and enterprises address the problem and capture the opportunities in Mainland IoV market, Seminars, Study missions, Exhibitions, Business Networking Events, and web-based Guidebook will be done to promote HK enterprises strength and to capture the first hand information of IoV development in Mainland China.

Project Objective(s) (in about 80 words)

In order to help Hong Kong enterprises capture opportunities to penetrate or expand business networks across Greater China, we set the following project objectives:

- Organize Public Awareness Seminars to upgrade Hong Kong companies' knowledge about Mainland IoV developments trend and relevant policies;
- Organize Business Networking Events and Study Mission Tours to provide Hong companies having direct channels to communicate with automotive manufacturers, IoV companies, government bodies, universities, R&D centres, associations, etc. to gain first-hand information about Mainland IoV development, requirements and demands.
- Organize Exhibitions to promote Hong Kong companies' high quality and reliability product and service;
- Have Hong Kong's IoV enterprises to connect with the new China IoV Association, assists them to gain more first-hand information about Mainland IoV development.

Grantee/Collaborating Organisation/Implementation Agent

Grantee	:	Hong Kong Wireless Technology Industry Association Limited
Collaborating Organisation(s)	:	<ul style="list-style-type: none">• SAE International (Hong Kong) Limited• Intelligent Transportation System - Hong Kong Limited• Automotive Parts & Accessory Systems R & D Centre
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	Roy Law	Hong Kong Wireless Technology Industry Association Limited	2370 3130 (Tel) / 8208 8782 (Fax)
Deputy Project Co-ordinator	Lawrence Poon	Hong Kong Productivity Council	2788 5080 (Tel) / 2788 5680 (Fax)

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	01/10/2016	30/09/2018	24
Revised (if applicable)			

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 (e.g. First seminar)	Quantifiable target (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)	First Public Awareness seminar in Hong Kong	50 participants	55 participants	
b)	Hong Kong Pavilion in Mainland IoV related Expo - Shanghai	20-30 companies	21 companies	
c)	Business Networking Event in Mainland – Shanghai	100 participants	100 participants	
d)	Study Mission - Shanghai	30 participants, 20 companies	35 participants, 23 companies	
e)	Hong Kong Pavilion in Mainland IoV related Expo - Chongqing	20-30 companies	21 companies	
f)	Business Networking Event in Mainland – Chongqing	100 participants	100 participants	
g)	Study Mission - Chongqing	30 participants, 20 companies	27 participants, 16 companies	Since the study mission is held at the time around the Hong Kong Electronics Fairs (Spring Edition) 2017 (13 – 16 April 2017) and Global Sources - Consumer Electronics (April 2017), many potential participants cannot allocated company resources to join too many events.
h)	Second Public Awareness seminar in Hong Kong	50 participants	53 participants	
i)	Hong Kong Pavilion in Mainland IoV related Expo - Shenzhen	20-30 companies	22 companies	
j)	Business Networking Event in Mainland – Shenzhen	100 participants	100 participants	
k)	Study Mission - Shenzhen	30 participants, 20 companies	32 participants, 20 companies	
l)	Dissemination seminar	50 participants	56 participants	
m)	Directory of Hong Kong IoV Industry - Shanghai	2000 copies	2000 copies	
n)	Directory of Hong Kong IoV Industry - Chongqing			
o)	Directory of Hong Kong IoV Industry - Shenzhen			
p)	Pamphlets – Shanghai	1000 copies	1000 copies	
q)	Pamphlets – Chongqing	1000 copies	1000 copies	
r)	Pamphlets – Shenzhen	1000 copies	1000 copies	
s)	Promotional videos	10 minutes, 20 minutes	11 m 42 s,, 21 m 19 s	
t)	e-Copy Guidebook	1 e-Copy	1 e-Copy	

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

(Please list out in table format if necessary.)

a) First Public Awareness seminar in Hong Kong

Title:	車聯網發展現狀與趨勢研討會	
Date:	14 October 2016	
Duration:	14:30 – 17:30	
Venue:	Theatre 1, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	國圖顧問有限公司總經理 - 吳永輝先生	車聯網發展的案例與趨勢
	中國車聯網產業聯盟副秘書長 - 李兆榮先生	車聯網的發展與價值回歸
	快易通有限公司車輛通訊部主管 - 梁家禮先生	全球衛星定位系統在香港的應用
	法蘭克福展覽(香港)有限公司銷售經理 - 劉健恒先生	Automechanika Shanghai 2016 (上海國際汽車零配件·維修檢測診斷設備及服務用品展覽會) 簡介
	香港生產力局汽車及電子部顧問 - 李崑霞小姐	車聯網及無人駕駛技術上海考察團暨商業對接會 - 簡介

b) Hong Kong Pavilion in Mainland IoV related Expo - Shanghai

Exhibition:	Automechanika Shanghai 2016	
Date:	30 November 2016 – 3 December 2016	
Venue:	National Exhibition & Convention Center (Shanghai)	
Participating Companies:	1	Blutech Engineering Limited
	2	Cableplus Industrial Co. Ltd
	3	CAIA Motors
	4	Chang Feng Group Co. Limited
	5	Cornerstone Technologies Limited
	6	Dione International Limited
	7	Golding Mobile Multimedia (HK) Limited
	8	Hong Kong EV Power Ltd.
	9	Hong Kong Motor Inspection Group Limited
	10	Hong Kong Productivity Council
	11	Hong Kong Wireless Technology Industry Association
	12	Infotronic Automotive Systems Ltd.
	13	Infotronic Technology Ltd
	14	Klclear Technology (Hong Kong) Co., Limited
	15	Lucky Star (Holdings) Co., Ltd.
	16	MapKing International Limited
	17	New Spirit Technology Ltd
	18	Startec Limited
	19	Suffice Industrial Technology Limited

	20	Unionbridge Cableplus Co. Ltd.
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c) Business Networking Event in Mainland – Shanghai

Title:	智能互聯汽車路演及對接會	
Date:	1 December 2016	
Venue:	Intercontinental Shanghai NECC	
Speaker and topic discussed:	Paul Li, Head of Business Unit Infotainment & Connectivity and Head of Business Unit Intelligent Transportation Systems Continental China	Integrated mobility, transportation redefined
	Vincent Rumeau, Director of Strategy APAC of Telenav	Transformation of the auto industry in the era of open data
	Tao Yu, Founder & Chief Executive Officer of Soda Mobility Technologies	Discovering what's happening in the Chinese car-sharing market and how this trend will transform the next mobility era
	Dr Lawrence Poon Head of Automotive Unit of Hong Kong Productivity Council	Developing market networks of Internet of vehicles (IOV)
	Nicklas Raask, Senior Director Asia Pacific IT of Volvo Car Group	Customer in the driver's seat on the digital journey
	Dr Thomas Meurers, General Manager of VDA China	Highly automated driving
	Aloke Palsikar, Senior Vice President & Global Head of Manufacturing Vertical Head Tech Mahindra	Connected car data monetisation - the next frontier
	Zhang Hong, Head of Product - Nuance Communications	How to build the ultimate automotive assistance
	Zhang Ranmao, Vice President - Technical Solution and Product Planning China Unicom Smart Connection Technology Corporation Limited (CUSC)	Better understand the preparation of communication and common-platform to boost the oncoming connected-automated vehicle

d) Study Mission - Shanghai

Title:	車聯網及無人駕駛技術 上海考察團暨商業對接會	
Date:	29 November 2016 – 2 December 2016	
Itinerary:	29/11/2016 15:00	國家智慧網聯汽車(上海)試點示範區
	30/11/2016 08:30	Automechanika (Shanghai) 2016
	30/11/2016 14:30	上海交通大學
	01/12/2016 09:30	智能互聯汽車路演及對接會
	02/12/2016 09:30	上海博泰悅臻網路技術服務有限公司
	02/12/2016 14:00	博康智慧型網路科技股份有限公司

e) Hong Kong Pavilion in Mainland IoV related Expo - Chongqing

Exhibition:	Ching (Chongqing) Int'l Automotive Technology Expo 2017	
Date:	22 March 2017 – 24 March 2017	
Venue:	Chongqing International Expo Center Co. Ltd	
Participating Companies:	1	Infotronic Automotive Systems Ltd.
	2	Infotronic Technology Ltd

	3	Infotronic International Ltd
	4	Hongrita Mold Ltd
	5	Hong Kong Chang Feng Group Co Limited
	6	Jing Mei Industrial Limited
	7	Startec Limited
	8	Information Counter
	9	Quantum EVM Ltd.
	10	Hong Kong Wireless Technology Industry Association
	11	Automotive Parts and Accessory Systems R&D Centre
	12	Hong Kong Productivity Council
	13	Hong Kong EV Power Ltd.
	14	Guangdong Grandmark Automotive Systems Co.,Ltd
	15	Mapking International Limited
	16	Golden River Technology International Limited
	17	Inspiring Light Technology Limited
	18	Sonus Hong Kong Limited
	19	Golding Mobile Multimedia (HK) Limited
	20	Mingshang International Group Limited
	21	Eagle Trading (Far East) Ltd.

f) Business Networking Event in Mainland – Chongqing

Title:	渝港兩地車聯網企業技術及業務對接會	
Date:	21 March 2017	
Venue:	Hyatt Regency Chongqing Hotel	
Speaker and topic discussed:	中國汽車工程研究院股份有限公司副總經理謝飛先生	基於寬頻移動互聯網的智慧汽車與智慧交通測試評價及試驗示範平臺建設
	長安集團車聯網總工程師黎予生博士	長安汽車智能化的認識和實踐
	重慶交通大學公共交通學者王健先生	導航巴士與系統資訊技術框架
	重慶車輛檢測研究院智慧汽車及主動安全測試研究中心主任助理來飛博士	VDC+車車通信技術在L4級自動駕駛汽車中的應用
	香港國圖顧問有限公司總裁吳永輝先生	香港車聯網的技術實力及內地市場機遇
	華一汽車科技有限公司董事余曦女士	香港車聯網的技術發展及應用分享
	香港生產力促進局汽車部主管潘志健博士	香港車聯網的科技研發及市場化戰略部局

g) Study Mission - Chongqing

Title:	車聯網及無人駕駛技術 重慶考察團暨商業對接會	
Date:	20 March 2017 – 24 March 2017	
Itinerary:	21/03/2017 09:30	長安汽車

	21/03/2017 14:30	“渝港車聯網企業技術及業務對接會”
	22/03/2017 09:00	2017 中國(重慶)國際汽車技術展覽會(Auto Tech 2017)
	22/03/2017 15:00	思建科技有限公司
	23/03/2017 09:30	重慶桴之科科技發展有限公司
	23/03/2017 14:30	中國汽車工程研究院
	24/03/2017 09:30	重慶兩江新區

h) Second Public Awareness seminar in Hong Kong

Title:	The Future of Auto: Smart and Connected Vehicles	
Date:	8 June 2017	
Duration:	16:00 – 18:00	
Venue:	The Hub, 1/F, Fortune Building , 150-158 Lockhart Rd, Wan Chai	
Speaker and topic discussed:	Mr. Anthony Lai, Ecosystem Manager, Thinxtra	Low Power WAN applications on Internet of Vehicle
	Mr. Kenneth Chau, Angel Investor, Fly Taxi	How can IoV change the city?
	Mr. Raphael Cohen, CEO & Co-Founder, Gobeer.bike	Gobeer.bike leading the Internet of Bike (IoB)
	Mr. Leo To, Founder, Hero Enterprise Limited - CarWash.HK	Difficulties & obstacles for IoV implementation
	Dr. Lawrence Poon, Principal Consultant, AED, Hong Kong Productivity Council	The strategies of entering China IoV Market

i) Hong Kong Pavilion in Mainland IoV related Expo - Shenzhen

Exhibition:	Shenzhen International Transportation System and Location-based Services Expo (ITS Expo) 2017	
Date:	23 June 2017 – 25 June 2017	
Venue:	Shenzhen Convention & Exhibition Center	
Participating Companies:	1	Hong Kong EV Power Ltd.
	2	Jun Feng Enterprise Co., Ltd.
	3	Greenergy Power Technology Ltd.
	4	Eagle Vision (HK) Industry Co., Limited
	5	Mingshang International Group Limited
	6	Hong Kong Chang Feng Group Co Limited
	7	Automotive Parts and Accessory Systems R&D Centre
	8	Hong Kong Wireless Technology Industry Association
	9	Hong Kong Productivity Council
	10	MapKing International Limited
	11	Infotronic Automotive Systems Limited
	12	Sonus Hong Kong Limited
	13	Infotronic Technology Limited
	14	SS Ventures Ltd.

	15	The Hero Enterprise Limited
	16	Quantum EVM Limited
	17	GRST Energy Limited
	18	Visedo (ASIA) Company Limited
	19	Cherrypicks
	20	Karin Electric Supplies Co., Ltd.
	21	Inspiring Light Electronics Software Development Limited
	22	New Spirit Technology Ltd

j) Business Networking Event in Mainland – Shenzhen

Title:	深港兩地車聯網企業技術及業務對接會	
Date:	23 June 2017	
Venue:	Shenzhen Convention & Exhibition Center	
Speaker and topic discussed:	深圳北斗應用技術研究院院長，中國科學院深圳先進技術研究院研究員張帆博士	北斗衛星導航及車聯網應用
	佳駿（環球）有限公司董事，中國智慧行車記錄儀產業聯盟理事長唐勇先生	以科技創新締造安全健康生活
	金溢科技有限公司副總裁劉詠平博士	交通與汽車智慧化融合
	賽格導航科技有限公司副總經理丁偉先生	讓汽車連接世界共用美好車生活
	深圳市藍希領地科技有限公司總經理李徐鵬先生	新能源車聯網平台的應用
	香港國圖顧問有限公司總裁吳永輝先生	香港車聯網的技術實力及內地市場機遇
	華一汽車科技有限公司董事余曦女士	香港車聯網的技術發展及應用分享
	香港生產力促進局汽車部主管潘志健博士	香港車聯網的科技研發及市場化戰略部局

k) Study Mission - Shenzhen

Title:	車聯網及無人駕駛技術 深圳考察團暨商業對接會	
Date:	21 June 2017 – 23 June 2017	
Itinerary:	21/06/2017 10:30	深圳市凱立德科技股份有限公司
	21/06/2017 13:30	深圳市航盛車雲技術有限公司
	21/06/2017 16:00	深圳市航盛車雲技術有限公司
	22/06/2017 09:00	深圳市城市交通規劃設計研究中心
	22/06/2017 13:30	深圳市比亞迪汽車有限公司
	22/06/2017 16:00	深圳市賽格導航科技股份有限公司
	23/06/2017 09:30	「2017第六屆深圳國際智慧交通與衛星導航位置服務展覽會」
	23/06/2017 14:30	「深港車聯網企業技術及商業對接會」

l) Dissemination seminar

Title:	智慧城市與網聯交通研討會
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Date:	21 September 2018	
Duration:	14:30 – 17:30	
Venue:	Inno Space, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Speaker and topic discussed:	中國汽車工業協會秘書長助理 - 許海東主任	智能網聯汽車趨勢和產業策略與行動
	同濟大學汽車安全技術研究所所長 - 朱西產博士	中國智能網聯汽車發展技術路線
	亞太區智能網聯汽車產業協會主席 - 吳永輝先生	亞太區智能網聯汽車發展趨勢
	先作科技有限公司業務發展總監 - 周永海先生	5G 無線科技對物聯網發展的影響
	汽車零部件研發中心研發經理 - 彭衛民博士	人工智能於無人駕駛應用之發展
	香港科技園綠色科技高級經理 - 陳禧建先生	香港無人駕駛示範區
	香港驗車有限公司行政總裁 - 朱祖恩先生	汽車維修業的 IoT-車師傅
	香港生產力局汽車及電子部高級顧問 - 莫天德先生	進入中國智能網聯汽車市場策略

m) Directory of Hong Kong IoV Industry - Shanghai

Title:	上海國際汽車零配件、維修檢測診斷設備及服務用品展覽會 - 「香港館」	
Company:	1	Blutech Engineering Limited
	2	Cableplus Industrial Co. Ltd
	3	CAIA Motors
	4	Chang Feng Group Co Limited
	5	Cornerstone Technologies Limited
	6	Diome International Limited
	7	Golding Mobile Multimedia (HK) Limited
	8	Hong Kong EV Power Ltd.
	9	Hong Kong Motor Inspection Group Limited
	10	Hong Kong Productivity Council
	11	Hong Kong Wireless Technology Industry Association
	12	Infotronic Automotive Systems Ltd.
	13	Infotronic Technology Ltd
	14	Karin Electronic Supplies Co., Ltd.
	15	Lucky Star (Holdings) Co., Ltd.
	16	MapKing International Limited
	17	Mingshang International Group Limited
	18	New Spirit Technology Ltd
	19	Startec Limited
	20	Suffice Industrial Technology Limited

	21	Sun Hing (Hong Kong) Dev. Ltd
	22	Unionbridge Cableplus Co. Ltd.

n) Directory of Hong Kong IoV Industry – Chongqing

Title:	中國（重慶）國際汽車技術展覽會 - 「香港館」	
Company:	1	Automotive Parts and Accessory Systems R & D Centre (APAS)
	2	Eagle Trading (Far East) Ltd.
	3	Golden River Technology International Limited
	4	Golding Mobile Multimedia (HK) Limited
	5	Guangdong Grandmark Automotive Systems Co., Ltd.
	6	Hong Kong Chang Feng Group Co Limited
	7	Hong Kong EV Power Ltd.
	8	Hong Kong Productivity Council
	9	Hong Kong Science and Technology Parks Corporation
	10	Hong Kong Wireless Technology Industry Association
	11	Hongrita Mold Ltd.
	12	Infotronic Automotive Systems Ltd.
	13	Infotronic International Ltd
	14	Infotronic Technology Ltd
	15	Inspiring Light Technology Limited
	16	Jing Mei Industrial Limited
	17	Karin Electronic Supplies Co., Ltd
	18	MapKing International Limited
	19	Mingshang International Group Limited
	20	New Spirit Technology Ltd
	21	Quantum EVM Ltd.
	22	Sonus Hong Kong Ltd
	23	Startec Limited

o) Directory of Hong Kong IoV Industry – Shenzhen

Title:	2017 第六屆深圳國際智慧交通與衛星導航位置服務展覽會 - 「香港館」	
Company:	1	Automotive Parts and Accessory Systems R & D Centre (APAS)
	2	Cherrypicks
	3	Eagle Vision (HK) Industry Co., Limited
	4	Greenergy Power Technology Ltd.
	5	GRST Energy Limited
	6	Hong Kong Chang Feng Group Co Limited
	7	Hong Kong EV Power Ltd.
	8	Hong Kong Productivity Council
	9	Hong Kong Wireless Technology Industry Association

	10	Infotronic Automotive Systems Ltd.
	11	Infotronic Technology Ltd
	12	Inspiring Light Technology Limited
	13	Jun Feng Enterprise Co., Ltd.
	14	Karin Electronic Supplies Co., Ltd
	15	MapKing International Limited
	16	Mingshang International Group Limited
	17	New Spirit Technology Ltd
	18	Quantum EVM Ltd.
	19	Sonus Hong Kong Ltd
	20	SS Ventures Ltd.
	21	The Hero Enterprise Limited
	22	Visedo (ASIA) Company Limited

p) Pamphlets – Shanghai

The pamphlet was fabricated for Shanghai events. Please refer to supporting document for the design.

q) Pamphlets – Chongqing

The pamphlet was fabricated for Chongqing events. Please refer to supporting document for the design.

r) Pamphlets – Shenzhen

The pamphlet was fabricated for Shenzhen events. Please refer to supporting document for the design.

s) Promotional videos

Videos (10 mins and 20 mins) are developed for promotional purposes. Please refer to supporting document for the clip.

t) e-Copy Guidebook

A guidebook has been compiled to understand the mainland IoV market's current status, development trend and government policy. Please refer to supporting document for the guidebook.

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</u> target completion <u>date</u>	<u>Revised</u> target completion <u>date</u> (if applicable)	<u>Status</u> (C/P/D) #	<u>Reason for deviation</u> from its original target completion date
(a)	First Public Awareness seminar in Hong Kong	31/12/2016		C	
(b)	Promotional videos	31/12/2016		C	
(c)	Hong Kong Pavilion in Mainland IoV related Expo – Shanghai	31/12/2016		C	
(d)	Directory of Hong Kong IoV Industry – Shanghai	31/12/2016		C	
(e)	Pamphlets – Shanghai	31/12/2016		C	
(f)	Business Networking Event in Mainland – Shanghai	31/12/2016		C	
(g)	Study Mission – Shanghai	31/12/2016		C	

(h)	Hong Kong Pavilion in Mainland IoV related Expo – Chongqing	31/03/2017		C
(i)	Directory of Hong Kong IoV Industry – Chongqing	31/03/2017		C
(j)	Pamphlets – Chongqing	31/03/2017		C
(k)	Business Networking Event in Mainland – Chongqing	31/03/2017		C
(l)	Study Mission – Chongqing	31/03/2017		C
(m)	Hong Kong Pavilion in Mainland IoV related Expo – Shenzhen	30/06/2017		C
(n)	Directory of Hong Kong IoV Industry - Shenzhen	30/06/2017		C
(o)	Pamphlets – Shenzhen	30/06/2017		C
(p)	Business Networking Event in Mainland – Shenzhen	30/06/2017		C
(q)	Study Mission – Shenzhen	30/06/2017		C
(r)	Second Public Awareness seminar in Hong Kong	30/11/2017		C
(s)	e-Guidebook	30/06/2018		C
(t)	Dissemination seminar	30/06/2018		C

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

NIL
