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and Members' names removed)**

P.C. 15/2016 (Revised)

**Revised Minutes of the 131st Meeting of the Hong Kong Productivity Council
held at 2:30p.m. on Wednesday, 27 April 2016 in the Board Room
2nd floor, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon**

Present: Chairman – Mr. Stanley Lau Chin-ho, SBS, MH, JP

Members – Prof. John Chai Yat-chiu, JP
Mr. Alan Cheung
Mrs. Hedy Chu
Mr. Wilson Fung Ying-wai
Mr. Bryan Ha (representing Ms. Annie Choi Suk-han, JP)
Miss Lam Kam-yi
Ms. Amy Lee Sau-king
Mr. Adolph Leung, JP (representing Mrs. Helen Chan, JP)
Mr. Leung Kwong-chuen
Mr. Leung Yam-shing
Mr. Li Hoi
Mr. Byron Ng, JP
Mr. Victor Ng, MH
Mr. Sunny Tan
Mr. Patrick Wong Chi-kwong
Ir Allen Yeung (representing Mr. Cheuk Wing-hing, JP)
Dr. Jack Yeung Chung-kit

Absent with Apologies: Mr. Felix Chow Bok-hin
Dr. Delman Lee
Prof. Helen Meng Mei-ling
Dr. Dennis Ng Wang-pun, BBS, MH
Mrs. Katherine Ngan Ng Yu-ying, MH, JP

In Attendance from HKPC:

Mrs. Agnes Mak Tang Pik-ye, MH, JP	Executive Director
Dr. Lawrence Cheung	Director, Technology Development
Mr. Tony Lam	Director, Corporate Services
Mr. Gordon Lo	Director, Business Management
Mr. Jonathan Ho	General Manager, Corporate Communication and Marketing
Ms. Lilian Ho	General Manager, Human Resources and Administration
Ms. Vivian Lin	General Manager, Finance and Procurement

Mr. Alfonso Tam
Ms. Gillian Luk

Chief Manager, Council Secretariat
Senior Manager, Council Secretariat

Welcome

The Chairman welcomed Mr. Sunny Tan, Mr. Alan Cheung, Mr. Wilson Fung, Ms. Amy Lee Sau-king, Mr. Li Hoi, Mrs. Hedy Chu, Acting Director-General of Trade and Industry and Mr. Bryan Ha, Assistant Commissioner for Innovation and Technology who attended the meeting for the first time.

Vote of Appreciation

The Chairman suggested, and Members agreed, to record a vote of appreciation to Mr. Albert Au Siu-cheung, Ir Prof. Daniel Cheng Man-chung, Dr. David Ng Tai-chiu, Mr. Sin Kai-ming, Ms. Marilyn Tang Yin-lee and Mr. Kenneth Mak, then Director-General of Trade and Industry for their contributions to HKPC during their tenure as Council Members.

I. Confirmation of Minutes (P.C. 37/2015 Revised and P.C. 36/2015 Revised)

The Revised Minutes of the 130th Council Meeting held on 25 November 2015 had been circulated to Members and there were no further requests for amendments. Mr. Wilson Fung pointed out that the word “compliant” in line 2 under point (b) on page 15 should read “complainant” instead. Subject to this amendment, the Revised Minutes of the meeting were taken as read, confirmed and signed by the Chairman.

II. Matters Arising

(C) Dissolution of Automotive Parts and Accessory Systems R&D Centre Ltd. (APAS Ltd.)

4. Invited by the Chairman, _____ said that in 2011, the Council agreed to merge APAS Ltd. with HKPC and wind up the company by voluntary liquidation. On 8 January 2016, Members were informed by circulation that the liquidation of APAS Ltd. was in the final stage. This was on account of the final general meeting being held on 21 December 2015, the filing with the Companies Registry of the meeting’s special resolution and liquidators’ statement of account and the publication by the liquidator of a notice of ceasing to act as liquidator on the Gazette on 31 December 2015. According to the record of the Companies Registry, APAS Ltd. was formally dissolved on 21 March 2016.

(D) eBus Fire Incident

5. said that Members were informed by e-mails of 13 December and 23 December 2015 that one of the eBus prototypes, which was neither in service nor being charged, caught fire at a parking site in Yuen Long. To determine the cause of the incident, HKPC and Green Dynamic Electric Vehicle Limited (GDEV), the project collaboration partner, subsequently set up a joint investigation team and invited leading experts in EV technology to provide independent advice. The investigation report had been completed and the investigation team concluded that the fire was the result of operational errors. The investigation team had also ruled out vandalism and battery overcharging as possible causes. The findings were confirmed by independent experts and simulation testing. Based on the report findings, the investigation team had made a series of enhancement recommendations. GDEV agreed to the conclusion of the investigation report and pledged to continue with their efforts on commercializing the related EV technologies. The media was informed of the investigation result by a press release issued on 22 April 2016.

III. Vision, Mission and Values, Strategy and Strategic Themes for HKPC (P.C. 6/2016)

6. Invited by the Chairman, recapitulated the refined VMV and the revised 3-pronged strategy recommended by Members at the brainstorming meeting of the Council held on 27 February 2016 to discuss HKPC’s strategic framework and positioning. With regard to the revised vision statement agreed at the brainstorming meeting, briefed Members on a further refinement proposed by the Management by changing it from “Be Hong Kong’s best solution provider” to “Be the best solution partner” lest sounding too competitive if not at all too complacent. Where the world was an increasingly globalized community, it was also proposed not to mention ‘Hong Kong’ in the vision statement to highlight HKPC’s ever chasing quest for its own excellence. The refined vision statement in Chinese was proposed to be “首選的企業方案伙伴”. The refined VMV and revised 3-pronged strategy were set out in detail in paragraphs 2 to 4 of the paper.

7. then briefed Members on the respective aims and areas for attention in the next 3 years for each of the 10 strategic themes agreed at the brainstorming meeting. The Business Development Committee was consulted at its 59th meeting on 12 April 2016 and supported the areas of attention in the next 3 years for the 10 strategic themes as set out in paragraph 7 of the paper, which would be reviewed on a rolling basis in future. Based on this, business development corporate goals would be developed under these strategic themes for incorporation into the 3-year Strategic Plan for 2017/18-2019/20 to be submitted to the Council in July 2016. said that pursuant to the brainstorming

meeting which deliberated on the future strategic direction of HKPC, the Management had conducted a strategic review on the organizational structure to re-align the specialization and functionality of the business divisions for better integration of expertise and resources deployment. It was anticipated that the new structure, as detailed under paragraph 8 of the paper, would be conducive to HKPC's business sustainability by strengthening our value-adding capabilities.

8. said that HKPC's business development corporate goals would only be effective if they closely matched the needs of industry stakeholders. In this connection, the Management must ensure that focused industry consultation would be conducted for each of the corporate goals to be developed under the 10 themes.

9. After discussion, Members agreed to the proposed VMV and 3-pronged strategy for HKPC as outlined in paragraphs 2 to 4 of the paper. Members also agreed to the various areas for attention under each of the 10 strategic themes as a basis to formulate business development corporate goals for the Council's approval in July 2016 under HKPC's 3-year Strategic Plan for 2017/18-2019/20.

VI. HKPC 50th Anniversary Commemorative Programmes (P.C. 9/2016)

16. Invited by the Chairman, introduced the paper and briefed Members on a "2+3" structure for the 50th anniversary commemorative programmes. Two major events would be hosted, as follows:

- (a) a high powered international technology conference-cum-luncheon in the first half of 2017 with renowned speakers to share insight into the tomorrow's world; and
- (b) an industrial development exhibition in late 2017 in collaboration with the Leisure and Cultural Services Department on how Hong Kong's industrial development had transformed through the decades as well as how it was going to maintain its vigour and vibrancy to excel in the future where the technology factor would become increasingly important.

Separately, other smaller scale events would also be planned, such as a cocktail reception to kick off the commemorative programmes, a special commemorative booklet featuring HKPC's past achievements and future focus, a "Hong Kong brand" mart, a sports event, etc. Details of the "2+3" structure were outlined in paragraphs 4 to 12 of the paper.

17. The Chairman said that Members were informed at the last Council meeting in November 2015 that a steering committee would be set up to oversee the

commemorative programmes of HKPC's 50th anniversary. Upon invitation, Mr. Patrick Wong and Mr. Alan Cheung had agreed to co-chair the steering committee. The Management would work closely with the steering committee on the commemorative programmes, as well as the budget which would be refined alongside as and when the planning was at a more concrete stage.

18. said that as next year would also be the 20th anniversary of the establishment of the Hong Kong Special Administrative Region, some potential collaboration and coordination might be done through ITC. thanked
 for suggestion and welcomed such opportunities.

19. Members noted the progress on the preparation for HKPC's 50th anniversary commemorative programmes.

VIII. Progress Report from the Business Development Committee (P.C. 11/2016)

21. Members noted the report from the Business Development Committee on matters considered at its 59th meeting held on 12 April 2016.

IX. Progress Report from the Finance Committee (P.C. 12/2016)

22. Members noted the report from the Finance Committee on matters considered at its 56th meeting held on 19 April 2016.

X. Progress Report from the Staffing Committee (P.C. 13/2016)

23. Members noted the report from the Staffing Committee on matters considered at its 53rd meeting held on 5 April 2016.

XI. Any Other Business

(A) HKPC's Roadmap to Promote Industry 4.0 (i4.0)

24. briefed Members on HKPC's roadmap to promote i4.0 covering the areas of consultancy, training, promotion and strategic alliance. In consultancy, an HKPC-developed model would be adopted to guide companies to upgrade to i4.0 encompassing readiness check, maturity level evaluation, holistic implementation plan and pilot projects. On training, HKPC had already been certified by Fraunhofer to provide i4.0 training from concept to implementation

for different levels of personnel in a corporation. In terms of promotion, an international conference on i4.0 was being planned for July 2016, to be supplemented by a practical implementation guide, study missions and demonstration (i4.0 Smart Demo Factory, Robotic Centre and 3-D Printing Centre). Meanwhile, HKPC had partnered with international technology institutes/bodies to provide close support to industry, for example, IPT, Fraunhofer Institute on training and certification, ISC & IFAM, Fraunhofer Institute on smart materials, Siemens on i4.0 sensors, Epicor on advanced manufacturing and execution system, and Asprova on intelligent planning and scheduling. The roadmap and HKPC's support initiatives would be closely monitored and reviewed to ensure relevant support to industry to meet their needs.

(B) HKPC Innovation Wins 4 International Awards at Geneva

25. said that was pleased and honoured to inform Members that HKPC had recently won four awards in the “44th International Exhibition of Inventions Geneva” held in Switzerland. The winning projects were as follows:

(i) Gold medal - ‘Customized and Replaceable Horseshoe’

In addition to frequent replacement due to fast wear, traditional horseshoe could easily hurt the hoof during the fitting process and lead to accident in racing if the horseshoe was poorly fitted. Made from hybrid metal 3D printing technology, the tailor-made horseshoe provided better shock absorption and was easily replaceable.

(ii) Silver medal – ‘Multi-standard Mobile EV Smart Charger’

Developed by the Automotive Parts and Accessory Systems R&D Centre of HKPC, this was the first mobile EV charger in Hong Kong. While traditional EV charging stations were stationed in a fixed location, the mobile EV charger offered highly flexible and multi-standard charging solutions for battery-drained EVs or fleet EVs, where EV charging stations were not available.

(iii) Silver medal – ‘Waterless Textile Materials Processing System’

With support from the ITF, HKPC collaborated with the Hong Kong Research Institute of Textiles and Apparel and an industry partner in developing a ‘Waterless Textile Materials Processing System’. With zero effluent emission, the ‘waterless’ system addressed the wastewater issue by using supercritical fluid to integrate cleaning, dyeing and functional treatments processes. The technology could reduce 60% of energy consumption, and shorten the traditional dyeing and finishing process time by half.

(iv) Bronze medal – ‘Medical Skin Analyzer’

Skin cancer was one of the top ten cancers in Hong Kong. Currently, most

dermatologists carried out preliminary diagnosis by visual inspection only, with possible failure rate as high as 40%. Comprising an optical imaging hardware and an analysis software and management system, the 'Medical Skin Analyzer' could easily assist medical doctors to perform initial assessments on suspected skin lesions and to diagnose skin lesion symptoms more effectively and accurately. Over 300 clinical cases had been conducted with the system for technology validation.

(C) OHSAS 18001 Certification

26. informed Members that HKPC had acquired the certificate of approval for OHSAS 18001:2007 on 2 March 2016. The certification was good for 3 years from the date of award. The Management would continue to ensure a safe work place for the staff of HKPC.

(D) Attendance Record of Council Members

27. Members noted their attendance record in 2015 tabled at the meeting.

XII. Date of Next Meeting

28. The next meeting was tentatively scheduled on 27 July 2016 at 2:30pm.

29. There being no other business, the Chairman thanked Members for their attendance and the meeting was closed at 4:50pm.