



Chairman's Report (Session 2023 – 2024) Building Services Division

After three years of challenging conditions due to COVID-19 Pandemic, Hong Kong has been back to normal. We are resuming normalcy in daily social activities and seamlessly connected to the Mainland China.

In this 2023/24 Session, we are committed to organize more events physically for the benefit of our members and youngsters, and to promote more innovative technologies so as to uplift the productivity of the industry and then tackling the manpower shortage problem.

We have enhanced to promote our Building Services profession to the public through our newly established social medial platforms to improve the public's perception on Building Services engineering, as well as in the mind of the next generation and their parents.

We have further collaborated with other institutions, including CIBSE-HKR, ASHRAE-HKC, other HKIE-Divisions, IFE, BSOMES, CIPHE-HKB, EI-HKB, CIC, AEEMM and Universities to provide various CPD events to our members and the trades.

With tremendous support given by the Committee Members, Observers, Helpers and various Professional Institutions and partners, the Building Services Division (BSD) in Session 2023/24 was an extremely busy and certainly a fruitful year. I would like to wrap up the following key activities:

1. Technical Continuing Professional Development Activities

(a) Joint Technical Seminar/Visit with CIBSE-HKR and ASHRAE-HKC

- Joint Technical Seminar on HVAC System Vibration Isolation Solutions was held on 6 September 2023
- Joint Technical Seminar on Integrating Indoor Air Quality and Energy Efficiency in Buildings was held on 8 November 2023
- Joint Technical Seminar on the Healthcare Engineering Systems in Day Procedure Centres was held on 5 December 2023
- Joint Technical Seminar on “Commissioning: The What, Why and How’ was held on 10 January 2024
- Joint Technical Seminar on the Inception of Digital Twin and Smart System Integration at the Henderson was held on 17 January 2024
- Joint Technical Seminar on Introduction of Fire Engineering Approach and Case Sharing was held on 2 February 2024
- Joint Technical Visit to Advanced Manufacturing Centre (AMC) was held on 17 February 2024
- Joint Technical Seminar on Architectural Lighting Design and Sustainability Consideration was held on 29 February 2024
- Joint Technical Seminar on Sustainable HVAC Designs for Green Buildings was held on 14 March 2024
- Joint Technical Visit to Hospital Authority Supporting Services Centre Building was held on 23 March 2024
- Joint Technical Seminar on Use of Nanofibrous Air Filtration to Save Energy and Improve ESG Performance was held on 27 March 2024
- Joint Technical Seminar on Introduction to New Edition of Fresh Water Cooling Towers Scheme will be held in June 2024

(b) Joint Technical Seminar/Visit with other HKIE Divisions and Institutions

- Joint Technical Seminar on Hydrogen Production and Fuel Cell for Emergency Generator (joined with Gas & Energy Division / HK Fuel Cell and Hydrogen Energy Association) was held on 11 September 2023
- Joint Technical Seminar on Sustainable Plumbing Design (joined with Environmental Division / AMC Division) was held on 18 November 2023
- Joint Visit to Macau (joined with Gas & Energy Division / Energy Institution / Macao Institution of Electrical & Mechanical Engineers) was held on 6 January 2024
- Joint Technical Visit to Air conditioning Product Factory in Shunde, China (joined with AMC Division) was held on 29 March 2024

(c) Joint Technical Seminar/Visit solely by HKIE-BSD

- Technical Seminar on Excellent Building Award Winning Project - Advanced Manufacturing Centre was held on 28 September 2023
- Technical Visit to Public Health Laboratory Centre was held on 29 September 2023
- Technical Visit to HK Post and Central Mail Centre was held on 9 November 2023
- Technical Seminar on Excellent Building Award Winning Project Sharing – Exchange Square was held on 13 November 2023
- Technical Visit to 11SKIES was held on 9 December 2023
- Technical Seminar on the Latest Technology of Lighting Control for Hotel Application was held on 21 February 2024
- Technical Seminar on Climate Resilient and Associated Building Services was held on 27 February 2024

(d) Major Joint Institutions Technical Events

- Joint Comprehensive Certificate Course on HVAC&R System in Building 2023 was held between October and November 2023 with 12 Sessions (HKIE-BSD / ACRA / CIBSE-HKR / BSOMES / ASHRAE-HKC)
- Hong Kong Joint Symposium 2023 – “Shaping the Future: Trends and Insights for Tomorrow Technologies Development in Greater Bay Area” was held on 22 November 2023 (HKIE-BSD / ASHRAE-HKC / CIBSE-HKR / PolyU-BEEE)
- BS One Day Seminar 2024 – “The Endless Journey in Exploring Building Services Development and Sustainability” (HKIE-BSD / PolyU-BEEE) was held on 22 March 2024

2. Activities to enhance Member’s Role and Professional Standing for External Nomination

BSD Committee Members actively served the society with the aim at providing our professional knowledge to various sectors. We have successfully nominated our members in various external Taskforces, Working Groups, Government’s Consultation Boards, Panel and Committees etc. Some of the nominations were highlighted below:

No	Organisation	Board/ Committee
1	Buildings Department	Registered Inspectors’ Disciplinary Board Panel under Section 5A of the Buildings Ordinance, Cap 123
2	Fire Services Department	Advisory Committee (AC) under Fire Safety (Buildings) Ordinance, Cap 572
3		Advisory Committee (AC) under Fire Safety (Industry Buildings) Ordinance, Cap 636
4	Electrical and Mechanical Services Department	Disciplinary Board Panel under the Lifts and Escalators Ordinance, Cap 618
5		Appeal Board Panel under Energy Efficiency (Labelling of Product) Ordinance, Cap 598
6		Appeal Board Panel under District Cooling Services Ordinance, Cap 624
7		Examination Committee for Registration as a Grade C Electrical Worker
8		Examination Committee for Registration as a Grade B Electrical Worker
9		Disciplinary Tribunal Panel under the Electricity Ordinance, Cap 406
10		Appeal Board Panel under the Buildings Energy Efficiency Ordinance (BEEO), Cap 610.
11		Technical Task Force (TF) and Working Groups (WG) for Building Energy Code (BEC) and Energy Audit Code (EAC) Review
12	Development Bureau	Appeal Board Panel under the Construction Workers Registration Ordinance (CWRO) (Cap 583)
13	Construction Industry Council	Youth Affairs Committee
14	Water Supplies Department	Continuing Professional Development (CPD) Course Panel under Advisory Board on Licensing of Plumbers (ABLP)
15	Vocational Training Council	Electrical and Mechanical Services Training Board
16	Social Worker Registration Board (SWRB)	Assessment Panel of Social Worker Registration Board (SWRB)
17	Home and Youth Affairs Bureau	Appeal Board Panel of the Amusement Rides (Safety) Ordinance

Cooperation with local Universities, Government Departments and peer Institutions

BSD actively engaged in various activities being led by local Universities, Government Departments and peer Institutions including joint activities as Co-organiser, and Supporting Organization, attending coordination meetings, giving advice, offering joint effort on certain research studies with mutual interests, etc.

- BSD joined with CIBSE-HKR, ASHRAE-HKR and CIPHE-HKB and attended the Hong Kong Polytechnic University – Department of Building Environment and Energy Engineering (BEEE) Pop-up sharing workshop on 19 October 2023
- BSD participated in CIBSE UK delegation’s visit to HKIE HQ on 21 November 2023. The visit was led by CIBSE’s President Elect and Chief Executive Officer along with their representatives
- BSD joined with CIBSE-HKR and ASHRAE-HKC and attended the Communication Meeting with ArchSD on 25 March 2024

3. The Excellent Building Award

This is the 1st Excellent Building Award (EBA) 2023 organized by the Building Services Division. It aims to encourage and reward the excellent building projects which adopted advance or best effective building services to achieve this excellence. In addition, the election award also enhances the public's understanding of building services, promotes exchanges and cooperation among various professions, promotes the development and progress of building services, and builds more excellent and high-quality buildings.

The Award Ceremony of the Excellent Building Award 2023 was held at the Hong Kong Convention and Exhibition Center on 7 July 2023. The award-winning projects were showcased at Urban Sky on the 9th floor of Hysan Place, Causeway Bay for the public exhibition so that the public can learn about this election and various award-winning projects to enhance public understanding of the importance of building services engineering to the development of the entire society.

4. Women in Engineering

To support the Task Force on Women in Engineering (TF-WIE) by Headquarters, BSD has the “Women in Building Services Engineering (WBSE) Group” to echo the Theme and provide a platform to facilitate the development of WIE in BS field.

In this 2023/24 Session, we specifically joined with ASHRAE-HKC and CIBSE-HKR to organize a big Joint Women in Building Services Engineering event – Table Manners Workshop cum Experience Sharing that was successfully held on 23 February 2024. The event was well-received by 60 members coming from different Building Services engineering sectors: Institutions, Consultants, Contractors, Government Sectors and Public Utilities etc. 70% was recorded as female engineers which was very encouraging and successful.

We were honoured to have our Vice President, Ir Alice Chow, moderate a talk show featuring three young, successful female engineers. They shared their valuable experiences working in what is sometimes still seen as a male-dominated engineering industry.

The WBSE Experience Sharing session took place, during which participants were separated into 5 tables to exchange views and suggest ways on the following five perspectives:

- Impact of Gender Stereotyped on Women Engineers
- Strengths in the Engineering Field as a Woman in the Workplace
- Leadership Development for Women Engineers
- Impact of Lacking Female Role Models and Mentors
- Balancing Work and Family Responsibilities

5. Nurturing the Youth

In this 2023/24 Session, one of our main commitments is to emphasize the cultivation of talents. The following programme and activities were organized to enhance the involvement and communication with young engineers and students with brief highlight as follows:

- **#ConnectWithBSD School Programme**

The #ConnectWithBSD programme is the 1st school programme organized by the Building Services Division. It aims to attract new talents to the engineering profession, encourage the younger generation especially secondary students, to consider pursuing a career in the engineering field and provide a platform for Universities' students for early engagement with the engineering industry.

BSD launched the #ConnectWithBSD collaboration programme in August 2023 in partnership with local Universities HKU / PolyU / CityU / MU / VTC / THEi / SLG and secondary schools as well as their teachers and parents. BSD have organized more than 20 nos. School Talks / Information Day / Introduction Talks / Stem Workshops / Outings for Universities / VTC / THEi / SLG / Secondary Schools students and teachers. We will further arrange competitions, job shadowing and university experience day to the younger generation to promote building services engineering and cultivate more local engineering talents.

- **STEM Group**

STEM Group comprised of BSD Committee Members and young engineers to promote BS engineering among secondary and tertiary educational Institutions or Universities. BSD-STEM Group Members actively participated in the #ConnectWithBSD school programme in this session to provide opportunities for youngsters to thoroughly understand BS Engineering in different perspectives. BSD offered speakers for introduction of Engineering to secondary schools organized by various Secondary Schools under the #ConnectWithBSD school programme.

- **Student Liaison Group (SLG) and HKIE Student Chapter**

Through these student organizations under the Division, BSD offered a remarkably close link with the students studying Building Services Engineering in all tertiary institutes. SLG had planned to organise a lot of activities including promotion talks, presentation competition, career talks / experience sharing delivered by various BSD representatives from different sectors of the engineering industry to nurture the youngsters as well as giving friendly guidance via social activities. BSD actively engaged in below various student activities being led by SLG and HKIE Student Chapter.

- Closing Ceremony of HKIE Jointed School Student Chapter (JSC) Delegation to Singapore 2023 held on 24 September 2023
 - Career Talk delivered to SLG on 28 November 2023
 - SLG joined the Technical Visit at Qianhai organized by BSD on 5 January 2024
 - SLG joined the Chit Chat event with HKIE President for BSD Generation Z organized by BSD on 29 February 2024
 - Presentation Competition 2024 with topic “Carbon Neutrality” organized by SLG on 30 March 2024
 - Technical Talk on “MiC” / “MiMEP” delivered to SLG will be held in May 2024
- **Young Members Committee (YMC)**

This year, BSD will also delight to continue delegate representatives to the YMC as speakers for the Young or Ready Series: A Route to become a Professional Building Services Engineer (Jointly Organized by YMC and BSD) in May 2024 with the aim at nurturing our young members to prepare their professional assessment. BSD hoped to have more events and they would explore new possibility of collaborating with our youngsters.

- **Young Engineers Group**

To better connect young engineers in the building services industry, the Building Services Division has initiated to organise a series of events that provided opportunities for young engineers to expand their horizon and to experience something special together. Nurturing Young Engineers Activity – “Chit Chat with President for BSD Generation Z” held on 29 February 2024.

- **Scholarships and Outstanding Student Awards**

To encourage more students studying building services engineering at the same time acknowledging students’ academic achievement and involvement in engineering society activities, scholarship would be awarded to students from different Universities / THEi and IVE students studying building services engineering. The Outstanding Student Awards 2024 will be arranged in May 2024 and the interview and assessment will be conducted in April 2024. We expected to have 5 to 6 scholarships will be awarded.

6. Innovation Technology and Sustainability Specialist Group

As Innovation Technology & Sustainability is a crucial part of the building services engineering, the aim at establishing this Specialist Group is to provide a platform for divisional members to enrich their knowledge in Innovation Technology & Sustainability engineering and vice versa for Innovation Technology & Sustainability specialists to learn about other areas of building services engineering. In this 2023/24 Session, we have further collaborated with other institutions to provide various activities to our members and the trades to explore more the uptrend innovation technology & sustainability designs.

- Technical Visit to Kai Tak Sports Park was held on 18 November 2023
- Joint Technical Seminar on Low Carbon Passive Design (jointly organised with HKIA) was held on 15 December 2023
- Technical visit to Qianhai for innovation technologies was held on 5 January 2024
- CIC Digital Twin tour with BIM Viewer Training (jointly organised with CIC) was held on 23 March 2024
- CIC Digital Twin tour with BIM Viewer Training (jointly organised with CIC) will be held on 26 April 2024
- Technical visit for Load Management System for EV charger at 11SKIES will be held in May 2024
- Technical Visit to Hydrogen H2 bus will be held in June 2024

7. Connection with Greater Bay Area

BSD has committed to deepen cooperation and exchanges among engineering institutions in the Greater Bay Area to leverage Hong Kong's distinctive advantage of enjoying strong support of the motherland and participate in the Building Services development in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) to promote the nation's high quality engineering development. In this 2023/24 Session, BSD offered and participated below various GBA's visits.

- HKIE Cocktail Reception@Macau organized by HKIE held on 22 July 2023
- 粵港澳大灣區青年工程師廣州交流活動 organized by HKIE held on 30 September 2023
- 工程滙大灣區（珠海、中山及東莞）考察團 organized by HKIE Engineering Forum held on 15-17 December 2023

- 香港工程師學會分部主席杭州/上海考察團 organized by HKIE held on 17-20 December 2023
- 深圳前海座談交流會議 organized by BSD held on 5 January 2024
- 粵港澳大灣區青年工程師京津交流活動 organized by HKIE held on 19-22 January 2024
- Joint Technical Visit to Macau jointly organized by HKIE-BSD / HKIE – Gas & Energy Division / Energy Institute Hong Kong Branch and Macao Institution of Electrical & Mechanical Engineers held on 31 January 2024
- 2024 Mainland and Hong Kong Construction Forum (2024 內地與香港建築論壇) (co-organised by Technology and Industrialization Development Center of Ministry of Housing and Urban Rural Development of People’s Republic of China and the HKIE, under the guidance of Ministry of Housing and Urban-Rural Development of People’s Republic of China, Guangdong Provincial People’s Government and the Development Bureau of The Government of the HKSAR) on 26-27 March 2024

8. Social Activities

BSD members participated in the HKIE President’s Cup held at the artificial turf soccer pitch of HKUST on 2 December 2023.

A Joint Institutions Networking Lunch was held on 27 January 2024. The Joint Institution Sport Tournament (Bowling) was jointly co-organized by the Building Services Division of the Hong Kong Institution of Engineers (HKIE-BSD) with other three Institutions (ASHRAE-HKC, CIBSE-HKR and IFE-HK Branch).

BSD was honoured to invite 28 Past Chairmen to attend the Past Chairmen Social Gathering Dinner on 1 March 2024 to gather with the current Chairman and committee members to communicate with each other. Each Past Chairman took turns to share their rich experiences, including the establishment of building services field in Hong Kong, the story of founding this branch, as well as their contributions and heroic deeds in the engineering industry, etc. This gathering is not only about strengthening our friendship, but also about passing on our values and experiences to future generations of engineers.

Coffee latte art workshop 咖啡拉花工作坊 was successfully held on 21 March 2024 and well received by the participants. Members learned 2D and 3D three-dimensional coffee latte art from professional instructors in the coffee latte art workshop, and through the coffee latte art activities, members communicated with each other to enhance friendship and spend a pleasant evening.

The HKIE BSD Anniversary Dinner 2024 will be held on 10 May 2024 at JW Marriott Hotel. Ms Lillian Cheong, JP, Under Secretary for Innovation, Technology and Industry, was invited as the Guest of Honour of Anniversary Dinner.

9. Promote the Engineering to the Public

BSD actively organized various activities served the society with the aim at promoting our engineering profession to the public and improve the public's perception on Building Services Engineering.

- **Social Media Platforms**

With the increasing the public use of social media to connect with one another, engage with news content and share information, we established our own social platforms in July 2023 including Instagram, Facebook, and LinkedIn, to raise public awareness of our activities. All the content is created by our in-house division, including activity promotion and report, BS knowledge sharing by graphics, stories and videos etc. We aim to promote our profession to the public through our social media platforms. As of March 2024, about 62 nos. of posts have been made, and we currently have over 719 followers for Instagram, 156 followers for Facebook and 572 followers for LinkedIn and the numbers are increasing.

- **Engagement with Media**

BSD has enhanced in media engagement through media interviews and press conferences to share correct and fair professional advice to the public for the news related to Building Services Engineering.

- **Hong Kong Engineering Week 2024**

To promote the engineering profession to the public, HKIE Headquarters has organized a very big event of “Hong Kong Engineer Week (HKEW) 2024” featuring a series of exciting activities, including the "Hong Kong Engineers Week 2024 Carnival", "Engineer Alliance",

"Our Future Engineers Secondary Student Quiz Contest", "Our Dream City Primary Student Design Contest", "Guangdong-Hong Kong-Macao Greater Bay Area Tertiary Institution Innovation Project Invitational Competition", "Engineering Career Fair", and the "HKIE Grand Award" in Feb to March 2024. As one of the major divisions, BSD has fully supported the big event with the following actions. It is well received by the public.

- Chairman joined the Organizing Committee of HKEW
- Chairman and BSD Committee members joined the Organizing Committee of HKEW Engineering Career Fair
- Chairman acted as OC Chair of HKEW Engineering Career Fair
- Sponsored a Booth with \$30,000
- Chairman and BSD Committee members attended the Opening Ceremony and Closing Ceremony of HKEW
- Chairman and Deputy Chairman attended the Engineering Career Fair events at Hong Kong University of Science and Technology (HKUST) on 29 February 2024, City University of Hong Kong (CityU) on 8 March 2024, and The Chinese University of Hong Kong (CUHK) on 12 March 2024
- BSD manned a Booth at the Carnival from 1 to 3 March 2024

10. Summing Up

As you could see, this session is a busy one. Our committee has provided full support for all planned events and devote their best efforts to the Division. I would like to take this opportunity to express my heartfelt gratitude to all Committee Members, Observers, Helpers, Student Liaison Group Committee Members, Co-opted Members and those from peer Divisions and Institutions who had exerted their effort and gave tremendous support for making activities so successful.

Ir Keith YUE

Chairman, Building Services Division

Session 2023 – 2024

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