



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

CIC SNAPSHOTS

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As part of its commitment to promote the interests of the construction industry in Hong Kong, the Construction Industry Council (CIC) publishes *CIC Snapshots* every two months to provide industry stakeholders with regular updates on the CIC's ongoing activities and the strategic issues.

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Committee on Construction Safety

Safety Visit to Taiwan

Mr. CHEUNG Hau-wai, Chairman of Committee on Construction Safety (Com-CSY), Ms. Angela YUEN, Manager – Council Services, and Ms. Sally LEUNG, Manager – Council Services, participated in the Safety Visit to Kaohsiung and Taipei, Taiwan, organised by the Hong Kong Federation of Occupational Safety and Health Associations from 8 to 11 July 2014.

With an aim to enhance construction safety and study the occupational safety and health experience of Taiwan, the safety visit was comprised of the Workshop on Effective Safety Leadership



and Management, the 9th Taiwan Safety Culture Forum, as well as a series of visit to construction sites and training centres. Mr. CHEUNG Hau-wai delivered a presentation titled “How to Promote Construction

Safety in Hong Kong” at the captioned Forum to share experience of safety management in construction sites of Hong Kong. Participants also tried the practical training / interactive demonstration, and learnt the good practices and safety management in construction sites.

Technical Seminar on Safety Operation of Mobile Cranes

The Construction Industry Council (CIC) was highly concerned about several suspected accidents related to operation of mobile cranes in construction industry in recent months. To provide initial recommendations and quick reference for frontline construction personnel on the safety measures for carrying out mobile cranes works, a Technical Seminar on Safety Operation of Mobile Cranes was held on 24 July 2014 at the Construction Industry Resource Centre.



The seminar attracted around 100 delegates from the construction industry. 3 distinguished speakers from Labour Department, the Hong Kong Construction Sub-Contractors Association, and the Hong Kong

Occupational Safety and Health Association, shared with the delegates their views on mobile crane safety from different aspects. Mr. Victor KWONG, Chairman of the Informal Task Force on Site Safety Incidents, facilitated the Q&A session.

Construction Safety Poster No. P-CSY-001-14 – Working at Height Safety Published

Fall from height is consistently one of the most common accidents in the construction industry leading to serious injuries and fatalities. The risk of working at height, even a few metres above ground, is usually underestimated. The *Construction Safety Poster No. P-CSY-001-14 – Working at Height Safety* was prepared and published in September to provide simple and clear messages to industry stakeholders on good working at height safety practices.



New Task Group on Application of Innovative Design to Enhance Construction Safety

With the aim to explore, develop and implement innovative design to enhance construction safety, a new task group has been established under the Committee on Construction Safety. The Task Group on Application of Innovative Design to Enhance

Construction Safety was set up to deliberate the feasibility of the application of innovative design(s) to support safety-at-work practice in construction sites; to explore the possibility to test and evaluate the innovative design at the CIC training centre and/or in the construction sites; to work out suitable business and system implementation plan that pursuing industry

buy-in if possible; and to develop the promotional strategy for the captioned innovative design where appropriate.

The Task Group held its inaugural meeting on 21 August 2014 at the Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre) where various innovative designs were demonstrated and discussed.



The inaugural meeting of the Task Group

Commemorative Booklet for Construction Safety Week 2014 Published

The commemorative booklet *Construction Safety Week 2014*, with textual and pictorial illustrations, was published and dispatched to the supporting

organisations and participating construction sites. This booklet records a series of events of the Safety Week including the Zero Accident Flag Presentation Ceremony, Conference, Site Visits, the award presentation ceremonies of the Innovative Safety Initiative Award 2014, the 20th Considerate Contractors Site Award Scheme, as well as the “Train-the-Trainer” Qigong sessions and Healthy Smileys for our recollection. It is hoped that all stakeholders of the industry would continue to join hands to build a meritorious safety culture for achieving the goal of zero accidents on construction sites.



Dinner with Qigong Trainers

To express our gratitude to the members of Hong Kong Occupational Therapy Association (HKOTA) and the Chinese University of Hong Kong (CUHK) for their support to Construction Safety Week 2014, the CIC joined the Development Bureau in organising a dinner gathering on 21 August.

Prior to the Construction Safety Week 2014, more than thirty members of HKOTA devoted valuable time in March and May to train more than 600 Safety Officers on practising Qigong with a view to promoting a healthy lifestyle among construction workers and help achieving the goal of zero accidents in the industry.

Trainers from HKOTA also led 833 construction practitioners in a morning Qigong session at the Zero Accident Flag

Presentation Ceremony which was recognised as a new Guinness World Record as the “Largest Qigong Lesson”. Without the support from HKOTA, the Construction Safety Week 2014 will not be such a success.



Briefing Sessions for Responsible Persons for Lifts and Escalators

To enhance the knowledge of the responsible persons in managing their lifts and escalators under the *Lifts and Escalators Ordinance*, the Electrical and Mechanical Services Department (EMSD) and Home Affairs Department (HAD) organised 4 briefing sessions in September and October for property management companies and lift owners. Sr Gary YEUNG, Member of the Task Force on Site Safety of Working in Lift Shaft, and Ms. Angela YUEN, Manager – Council Services, delivered a presentation on “Special Attention to Safety for Responsible Persons” in these briefing sessions. Around 580 delegates attended the 3 briefing sessions held in September. Another briefing session is expected to be held on 6 October 2014.



The CIC also worked with the EMSD to publish a Promotional Leaflet for Management Companies and Lift Owners, which is a simplified version of the *Guidelines on Safety of Lift Shaft Works Volume 3 – Throughout the Occupation Stage of Building* and recaps the management of lift repair and maintenance works.

Site Visit for Jump Lift Operation

In preparation for the Guidelines on Jump Lift, a site visit was arranged on 23 September 2014 to one of Hong Kong Housing Society's projects at Greenview Villa in Tsing Yi with the kind assistance of the Lift and Escalator Contractors Association. Members of the Task Group on Site Safety of Working in Lift Shaft were invited to join the visit to learn more about the Jump Lift arrangement. The drafting of the Guidelines on Jump Lift is now in progress.



Stakeholder Relations

To maintain close ties with industry stakeholders, the CIC and the Committee on Construction Safety actively participate in various activities to provide updates on the latest CIC initiatives. Mr. CHEUNG Hau-wai, Chairman of the Com-CSY, was one of the Officiating Guests at the 13th Hong Kong Occupational Safety & Health Award Forum and Award Presentation Ceremony organised by the Occupational Safety and Health Council (OSHC) on 5 September 2014.



Committee on Environment, Innovation and Technology

Revision of BIM Standards in Progress

Comments from Task Group on Establishment of Industry Standard for BIM Implementation are incorporated in the revised draft of *Building Information Modelling (BIM) Standards Volume 1 – Project Execution Plan*. More than 20 Stakeholder Forums with participants coming from the Government, public developers, private developers, professional organisations and academia were held to collect stakeholders' views on these standards. In order to solicit further views from the industry, the draft standards have been uploaded to the CIC website for public access:

<http://www.hkcic.org/eng/news/BIM/PreparationofBIMStandards.aspx?langType=1033>

The first draft of the Standards for (i) Modelling Methodology, (ii) Level of Development, and (iii)

Component Presentation Style and Data Organisation were also received from the Consultant. Views from the Task Group and the industry will be collected soon.

Project Clients Summit

Project Clients Summit themed "Development of BIM Implementation Strategies" was successfully held on 11 – 12 September 2014. The Summit aimed to assist project clients from the Government, public developers and private developers to work out their own BIM implementation strategies and to provide project clients with valuable insight and international experience relating to the adoption of BIM.

The most updated events of BIM Year 2014 could be found as follows:

<http://www.hkcic.org/eng/news/BIMYear2014/EventsPlan.aspx?langType=1033>

Committee on Procurement and Subcontracting

Procurement Alert No. 001/14 on the Use of On-Demand Performance Bonds in Construction Contracts Published

The Committee on Procurement and Subcontracting (Com-PNS) under the CIC has issued the *Procurement Alert No. 001/14 – Use of On-Demand Performance Bonds in Construction Contracts* (Procurement Alert). This Procurement Alert aims to serve as a reminder to all industry stakeholders that they must act in a responsible manner when asking for on-demand

performance bonds in construction contracts.

An on-demand or unconditional performance bond is a type of financial tool that is sometimes used by employers in the construction industry as additional financial security held against contractors (or in the case of contractors, against sub-contractors) to guarantee performance of the contract.

When deciding whether to adopt an on-demand performance bond for a



construction contract, the procurement alert recommends the employer to evaluate carefully the necessity of requiring an on-demand performance bond; consider the risk profile of the project and the suite of alternative risk management tools available; and adopt a proactive approach to promote good performance.

If an on-demand performance bond is required in a construction contract, the procurement alert recommends the following:

- the wording of the bond should be clear and unambiguous;
- due consideration should be given to determine an adequate bond amount;
- an appropriate expiry date should be in place;
- the bond should be kept in a safe place;
- extending the validity period of the bond beyond the date of practical completion or the end of the defects liability period should be avoided; and
- contract provisions should be included to help alleviate concerns of abuse.

The Com-PNS and CIC urge all industry stakeholders to consider the measures recommended in this Procurement Alert, think carefully before they decide to adopt an on-demand performance bond for a construction contract, and act in a responsible manner when asking for on-demand performance bonds.

Procurement Fact Sheet No.001/14 on Owner-Controlled Insurance Programme in Construction Contracts Published

The Com-PNS has issued the *Procurement Fact Sheet No. 001/14 on Owner-Controlled Insurance*



Programme (OCIP) in Construction Contracts (Fact Sheet). This Fact Sheet aims at providing general information on OCIP for industry stakeholders' reference. It includes information regarding the definition, key features, the type and scope as well as the

key benefits and possible limitations of OCIP. To help industry stakeholders decide whether or not to implement OCIP in their projects, the Fact Sheet also covers key considerations and critical success factors of OCIP as well as providing a general account on the development and the application of OCIP in Hong Kong and overseas.

Work Plan of the Task Force on Competition Law for 2014/2015 Formulated

The Task Force on Competition Law set up under the Com-PNS has in recent years undertaken various activities to represent the views of the construction industry in the development of Hong Kong's first cross-sector competition law and to explain the effect of the new *Competition Ordinance* to industry stakeholders. To further raise the awareness of the construction industry and promote compliance with the *Competition Ordinance* that is expected to come into full force in 2015, a work plan of the Task Force for 2014/2015 has been formulated for endorsement by the Com-PNS. As part of the work plan of the Task Force, a Competition Law mini-site will be launched at the CIC webpage and a series of industry-specific

competition law publications, such as FAQs, Case Summaries, Code of Conduct and Fact Sheets, will be published in early to mid-2015.

Task Force on NEC3 Collaborative Contracts Met to Discuss Way Forward

The Task Force on NEC3 Collaborative Contracts met in August 2014 to brainstorm ideas for further promoting the use of partnering and collaborative contracts in the construction industry of Hong Kong. Initiatives, such as organising seminars or forums on partnering and collaborative contracts as well as publishing casebook(s) on NEC3 as the deliverables of the Task Force after the issuance of an FAQ document in 2015, will be put forward to the Com-PNS for endorsement.



NEC3 contracts help industry switch to collaborative working

SING-MO HO CHAIRMAN, CONSTRUCTION INDUSTRY COUNCIL, NEC3 TASK FORCE AND CHIEF PROCUREMENT OFFICER, CLP POWER

The Hong Kong Construction Industry Council (CIC) supports all forms of partnering and collaborative relationships with contractors, including contractual partnering and non-contractual partnering. This is set out in CIC's 2010 publication *Guidelines on Partnering*. For contractual partnering, there are two main approaches in Hong Kong. Some employers modify their normal form of contract to incorporate a partnering spirit and/or clauses. In more recent years, other employers have selected a different form of contract, such as NEC, that is specifically written for a partnering or collaborative relationship. In the latter case, employers in Hong Kong invariably choose NEC3 contracts despite there being other forms of contract available. Early users are responding positively to its effectiveness.

CIC's committee on procurement and subcontracting has thus set up a task force on NEC3 collaborative contracts to help promote partnering and collaborative working further.

NEC3 FAQ document

Given the increasing use of NEC3 contracts in Hong Kong and in particular in the public sector, the NEC3 task force has drafted a collection of frequently asked questions (FAQ). This is designed to inform industry participants of these relatively new forms of contract to the Hong Kong market and to share knowledge and experience on their practical application.

Principally, the FAQ document is intended to assist:

- construction practitioners – including employers, consultants, contractors and sub-contractors – in deciding whether or not to adopt an NEC3 contract for their specific projects
- construction practitioners already engaged in NEC3 contracts, in seeking ways to manage their contracts effectively
- construction practitioners using traditional forms of contract, non-contractual partnering contracts and other forms of partnering contracts, to learn from the valuable experience gained in relation to NEC3 contract management practices.

The FAQ document is being prepared and expected to be published either this year or early next year. Once published, it will be available on the CIC website. It is believed that the publication will serve as a quick and useful reference to industry participants, in addition to the previous *Guidelines on Partnering*, on the use of NEC3 as a form of collaborative contracts in Hong Kong.

Gaining momentum

Current experience on the use of NEC3 contracts in the Hong Kong construction industry is relatively limited. However, we are pleased to

see that the contract suite is gaining momentum over the past few years through increasing use in both the public and private sectors.

We do hope that the FAQ document can serve its purpose as a useful reference document, aiding construction practitioners to cope with the ever-changing business environment through collaborative working relationships.

I am pleased to report that we are currently working together with the NEC office to deliver NEC3 project manager accreditation programmes and events in Hong Kong. Subject to approval from the CIC, we intend to announce the dates for the first NEC3 ECC project manager accreditation to run in Hong Kong later this year. Further announcements will be made in future issues of the NEC Users' Group newsletter and at the Users' Group conference on 10 October.

Footnote from NEC UK: NEC UK sees CIC as a trustworthy local link in Hong Kong to maintain the appropriate standards required for its NEC3 ECC project manager accreditation programme, which will be further extended in 2015. Whilst CIC itself will not be involved in direct training, it will help guarantee standardisation of the trainers in the market for NEC training. CIC's *Guidelines on Partnering* provides a useful introduction to NEC3 contracts and will soon be joined by a document on NEC3 frequently asked questions.

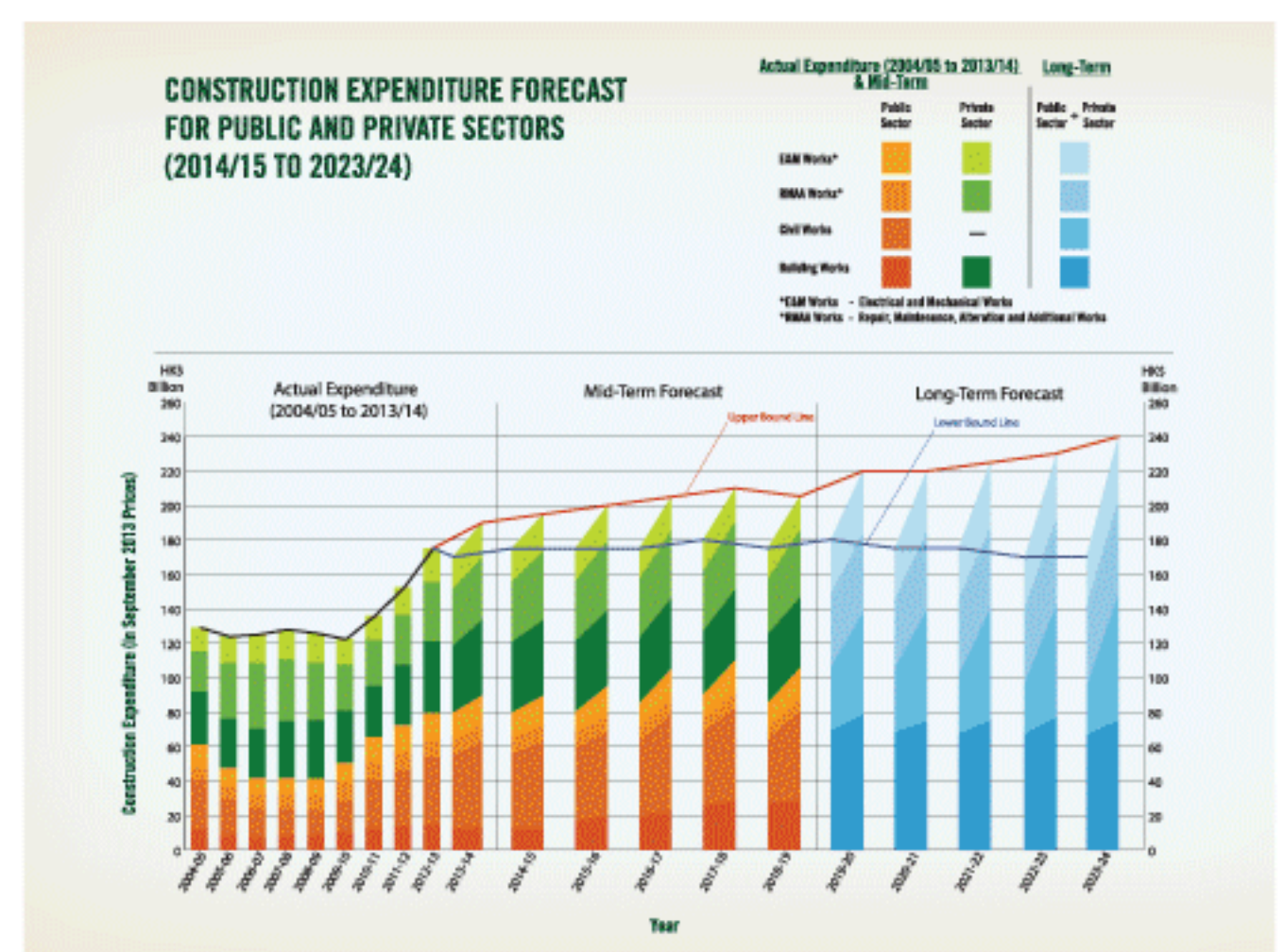
Committee on Productivity and Research

Construction Expenditure Forecast Launched

In response to the industry's need of a construction expenditure forecast to facilitate better planning, CIC has released the latest projection of Hong Kong's construction expenditure over a 10-year period up to 2023/24 in September 2014. Three periods are covered in the latest forecast as follows:

1. Update on the historical trend using statistics published by Census and Statistics Department (C&SD) up to 2013/14;
2. Mid-term forecast up to 2018/19; and
3. Long-term forecast up to 2023/24

The Construction Expenditure Forecast 2014/15 – 2023/24



The public works expenditure forecast is provided by Development Bureau based on projects in progress and under planning. The mid-term forecast of the construction expenditure in the private sector is projected using research data on building floor area completion estimated by property surveying firm and other relevant statistics. In the long-run, it assumed

that the private workloads will grow in-line with the Hong Kong general economy as indicated by the gross domestic product (GDP) growth rate. The construction expenditure forecast and more details are available on the CIC website.

Research Funding Application

In the first round of research funding applications of 2014, four research projects have been awarded as follows:

- Better Utilisation of Ultimate Strength Gain of Concrete with Pozzolanic Materials for Sustainable Development of Construction Works in Hong Kong
- Investigation on the Thermal and Power Performance of Vacuum Solar PV Curtain Wall Technology and its Application Potential in Buildings in Hong Kong

- Development of Precast BFRP Grid-Reinforced Geopolymer Sandwich Wall Panels for Green Building Construction
- Quality Control and Quality Assurance of Asphalt Pavement Construction Using Innovative Nondestructive Methods

The latest round of CIC's research funding application was opened in October 2014. Research Institutes are being invited to submit their research proposals by December 2014.

Innovation In Construction Published

The CIC has recently published the inaugural issue of *Innovation in Construction (iCON)* in August 2014 to advocate innovations and disseminate valuable outcomes generated from the CIC's funded research projects. The Journal aims to publish high quality research papers with significant novelty and impact in construction, and attempts to enhance the performance and capacity of the Hong Kong construction industry on various prevailing issues related to productivity, advanced technology, quality, project management, computer applications, contracts, occupational safety and health, environmental protection, and sustainable development in the construction industry. *iCON* is now available on the CIC website.



Construction Workers Registration Board

Early Renewal to Enjoy Fee Waiver

While the peak for registration renewal is expected to be in 2015, workers are encouraged to apply for early renewal to ease the traffic. Those who meet the following criteria shall enjoy a waiver of renewal fee:

1. Current Registration Card to be expired within the period of 1 Jan and 31 May 2015 of which the expiry date is aligned with that of the Green Card (as shown on the back of the Registration Card);
2. The expiry dates of the Registration Card and the Green Card to stay aligned; and
3. Renewal application to be submitted within 1 to 6 months prior to the expiry date and before 31 Dec 2014.

Early renewal service will be offered by Workers Registration Offices, CIC Service Centre (Nam Cheong) (by telephone appointment), Hong Kong Construction Industry Employees General Union, The Federation of Hong Kong Electrical & Mechanical Industries Trade Unions and Construction Site Workers General Union. For details please go to the CIC website www.hkcic.org or call 2873 1911 for enquiries.

New Registration and Renewal Point – CIC Service Centre (Sheung Wan)

To give workers greater convenience, a new Service Centre in Sheung Wan is tentatively scheduled to start its operation in early November 2014. The new Service Centre is located at Room 2001-03, Alliance Building, 130-136 Connaught Road Central, Sheung Wan (Sheung Wan MTR Station Exit C). Workers registration and renewal services provided by the Workers Registration Office in Aberdeen will be discontinued after the new Service Centre (Sheung Wan) is operating in full swing. More information will be announced in CIC website.

Pay with Octopus Card to Get a Souvenir

To save time in changing money, workers paying the registration or renewal fee at Workers Registration Offices and CIC Service Centre (Nam Cheong) by Octopus Card are now rewarded with a souvenir while stock lasts.

Briefing Sessions on “Construction Workers Registration System”

The second round of briefing was held in four sessions in August and September at Resource Centre in Kowloon Bay to update and enhance users’ understanding of the brand new design and innovative features of the new registration system. The event attracted 464 delegates from various sectors of the construction industry.



Mr. Henry PAU, Consultant – Information Technology of CIC, briefed the delegates and answered their questions

CIC Scholarships for Family Members of Registered Construction Workers

CIC presented scholarship for 20 family members of registered construction workers achieving outstanding academic results in 2014 HKDSE. This year we have received a record number of applications which is 56% higher than that of last year. The presentation ceremony was held on 27 September 2014. Mr. MAK Chi-cheong, the 1st prize winner of this year's scholarship, is one of the 12 HKDSE 2014 candidates who have achieved the highest grade (level 5**) in all seven subjects. Mr. LEUNG Kwok-tung, admitted to the University of Hong Kong to pursue a bachelor degree of science in surveying, is awarded an extra scholarship. More highlights of the ceremony are now available on the CIC website <http://cwr.hkcic.org/information/scholarships.asp>

The awardees of 2014 Scholarships

1st Prize	MAK Chi-cheong
2nd Prize	CHIK Wing-man
3rd Prize	LAW Hiu-chung



Mr. LEE Shing-see (6th right), Chairman of CIC, Mr. Paul CHONG (6th left), Chairman of Construction Workers Registration Board, Mr. Christopher TO (5th left), Executive Director of CIC and Mr. Ivan WONG (4th right), Director of Registration Services, CIC posed for a group photo with the 20 awardees of the Scholarships



Mr. LEE Shing-see, Chairman of the CIC with Mr. MAK Chi-cheong, the 1st prize winner of this year's scholarship

Welfare Programme for Registered Construction Workers

To enhance the welfare of registered construction workers, CIC launched the Pilot Medical Examination Scheme for Construction Workers in March 2014. From now on construction workers with valid registration cards can also enjoy special offers, promotions and discounts with their purchase of consumer goods or services at a number of local merchants. Companies intend to offer discounts to registered workers are welcome to contact us. More information about the welfare programme will be available on cwr.hkcic.org shortly.



Grand Opening of ZCB Eco-home 2014

The Grand opening of ZCB Eco-home was held on 12 August in ZCB. Mr. WONG Kam-sing, Secretary for the Environment, was the guest of honour at the ceremony.



Mr. WONG Kam-sing, Secretary for Environment, talked about how the Government promotes a sustainable lifestyle in the society

ZCB is grateful to receive the generous support from the New World Group Charity Foundation for sponsoring the design and construction of the Eco-home and its eco-friendly fixtures and fittings. The Eco-home at ZCB is revamped with evolving technologies to demonstrate a holistic, sustainable way of living which can be easily adopted by the public, with a view to promote a modern design philosophy for a low carbon home and enhance quality of life.

The Eco-home, designed to showcase a typical Hong Kong apartment that features a living room, an open kitchen, a bedroom and a bath room, is characterised by five interlinked fundamental elements of sustainable features including Energy, Water, Comfort, Material and Sustainable Lifestyle to form a semi-self-sustained system. Key features include a bladeless ceiling fan, a water heating faucet, a vacuum water closet, an energy and water efficient



Officiating guests at the Eco-home 2014 Grand Opening
From left: Mr. SITT Nam-hoi, Head of Projects (Hong Kong & Asia), Project Management Department of New World Development Company Limited, Mr. LEE Shing-see, Chairman of CIC, Mr. WONG Kam-sing, Secretary for Environment, Mr. Gary CHEN, Executive Director and Joint General Manager of New World Development Company Limited and Mr. YU Wai-wai, Chairman of Zero Carbon Building Limited



Mr. WONG Kam-sing (right) trying out the Energy Generating Cardio Bike, accompanied by Mr. LEE Shing-see (left) and Mr. YU Wai-wai (middle)

washing machine, a food waste digester, some portable hydroponic farming and a piezo electricity generating floor. Interactive engagements are also available to show visitors how to reduce carbon footprint for smart living.

Supply and Installation of Energy Efficient Ventilation Fans – Sponsorship Agreement Signing Ceremony

As the first zero carbon building in Hong Kong, ZCB is striving to keep up with the latest technology developments for increasing energy efficiency and reducing carbon emissions. Thanks to the generous

support of BAFCO Hong Kong Ltd, the popular high-volume-low-speed ventilation fans will be upgraded to a new generation to further enhance the energy efficiency comfort level of occupants. The replaced ventilation fans will be reused in other CIC offices to improve ventilation and energy efficiency.

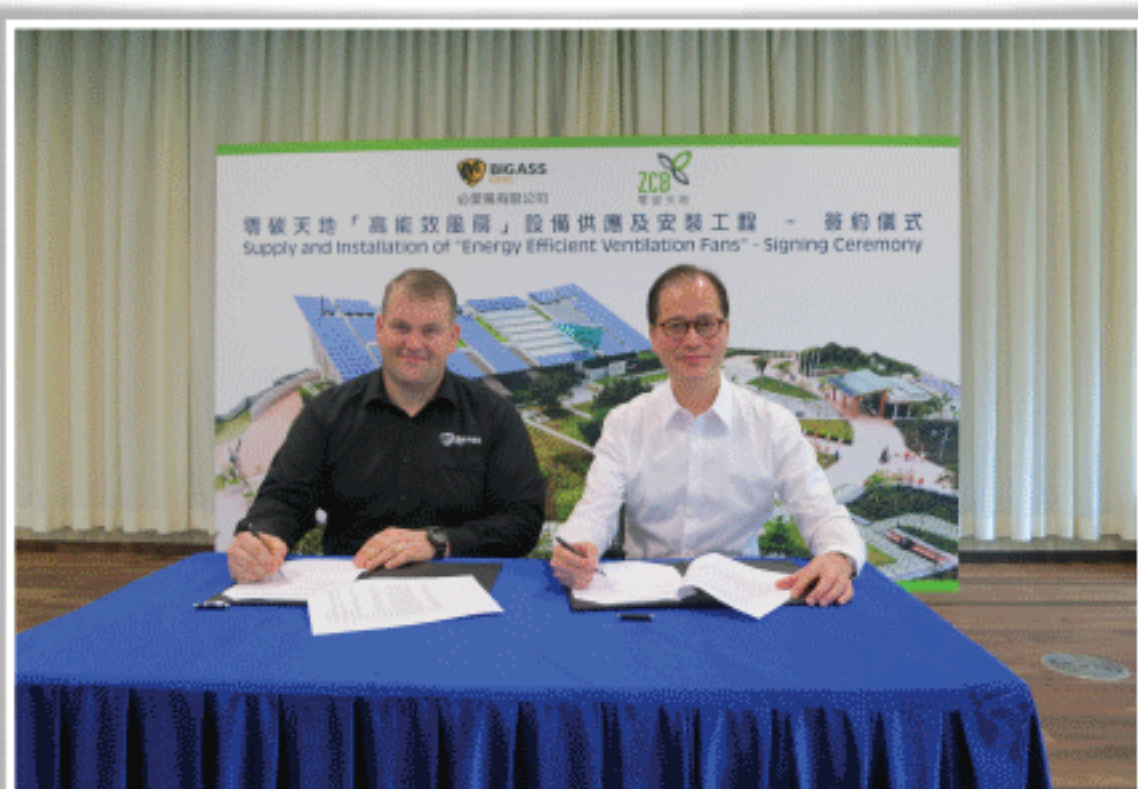
The sponsorship agreement signing ceremony was held in ZCB on 19 August 2014. The sponsorship includes replacement of all the existing ventilation fans with products of the latest generation and installation of some additional fans in the public toilets within ZCB to improve ventilation.



After a tour around ZCB, Ms. Mandy SHAM, Senior Officer – Customer Services and Mr. Ken CHOW, Officer – Customer Services shared their experience in providing guided tours with the delegation. They discussed about how to handle sensitive and difficult questions, staff training and special situations encountered. Since the delegation will be taking a similar role in providing visitor tours of the Esquel facilities, the two parties exchanged on how to handle sensitive and difficult questions, staff training and special situations encountered. Both parties enjoyed the very fruitful discussion.

ZCB Roving Exhibition at Cyberport

ZCB roving exhibitions is organised regularly in different districts with an aim to promote the public awareness of low carbon living. The second stop of the roving was Cyberport where exhibition was held from 1 to 15 September 2014. Visitors were shown the key design concepts of ZCB and the way to lead a low carbon lifestyle via informative panels, ZCB property model and videos. Some lovely Build Up Mini Talents added to the fun of the booth.



Mr. David T. WILLIAMS, Managing Director of BAFCO Hong Kong Ltd. and Mr. YU Wai-wai, Chairman of Zero Carbon Building Limited signing the agreement

Experience Sharing with Esquel Group

ZCB has been offering guided tour services since its opening. In June 2013, a delegation from the Esquel Group joined the ZCB tour to learn about the latest technology and green practices for adoption in the development of the Esquel manufacturing plant which advocated sustainability and environmental protection. Much impressed by the professionalism of our tour officers, the group sent us a second delegation comprised mainly of marketing personnel on 29 August 2014.

Green Building Visit and Professional Talk for ZCB Student Ambassadors

ZCB is an iconic zero carbon building in Hong Kong and it is our objective to promote low/zero carbon building technologies. As part of our on-going engagement of ZCB Student Ambassadors, a talk cum site visit was organised at Holiday Inn Express Hong Kong Soho for the ZCB Ambassadors on 13 September 2014. The hotel is the first hotel with BEAM Plus platinum rating in Hong Kong. Over 30 ZCB Student Ambassadors joined the event.

Ir Conrad WONG, Chairman of Hong Kong Green Building Council, Vice Chairman of Yau Lee Holdings (the holding company of the hotel) and also a ZCB Honorary Ambassador, gave a talk in "Green Building:

A Key to Uplift our Quality of Life" to the ZCB Student Ambassadors during which the impact of green buildings and strategy of promoting green building design in Hong Kong were shared. The Student Ambassadors were given a full picture of the latest development of green buildings in Hong Kong, the challenges we are facing and the overview of the green features of Holiday Inn Express Hong Kong Soho.

The talk was followed by a tour of the hotel. The Ambassadors took the opportunity to see and feel the green technologies in action which significantly reduced energy consumption without compromising the comfort level of the occupants.



Construction Industry Training Board

Updates of Manpower Situation

The result of the second update of the Construction Industry Council Manpower Forecasting (CICMF) model on Construction Workers has been submitted to CIC for consideration and some amendments have to be made before uploading onto the CIC website for information of the public. Whereas, the result of the second update of the CICMF model on site supervisors, technicians and professionals in the construction industry is being prepared.

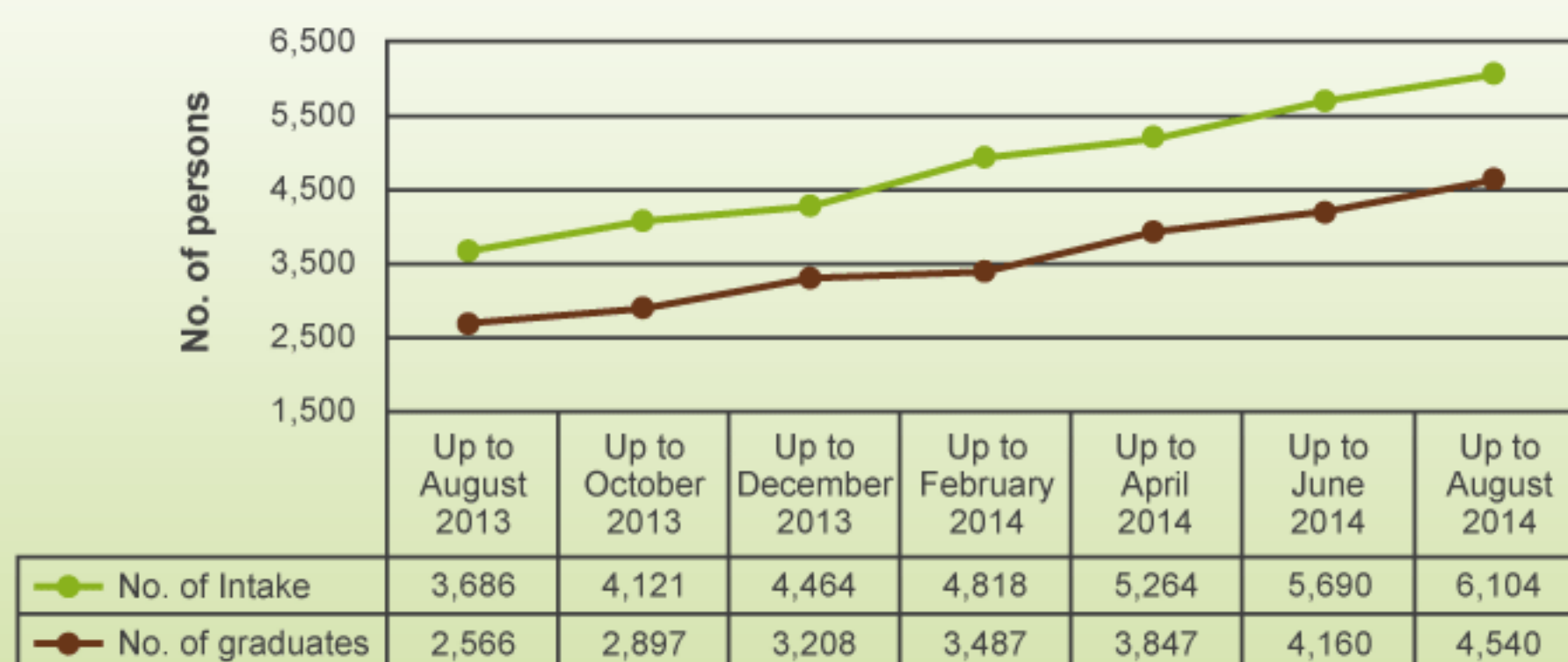
Training Initiatives for Workers

CIC has approved 5,282 in-house worker training places in 2014 and the projected number of graduates plus number of trainees under training by year end will be around 5,200 taking historical recruitment and drop-out rate of trainees into account.

In parallel to the provision of in-house training, collaborative training was launched in 2011 and up to August 2014 a total of 3,089 collaborative training places were approved by the Construction Industry Training Board.

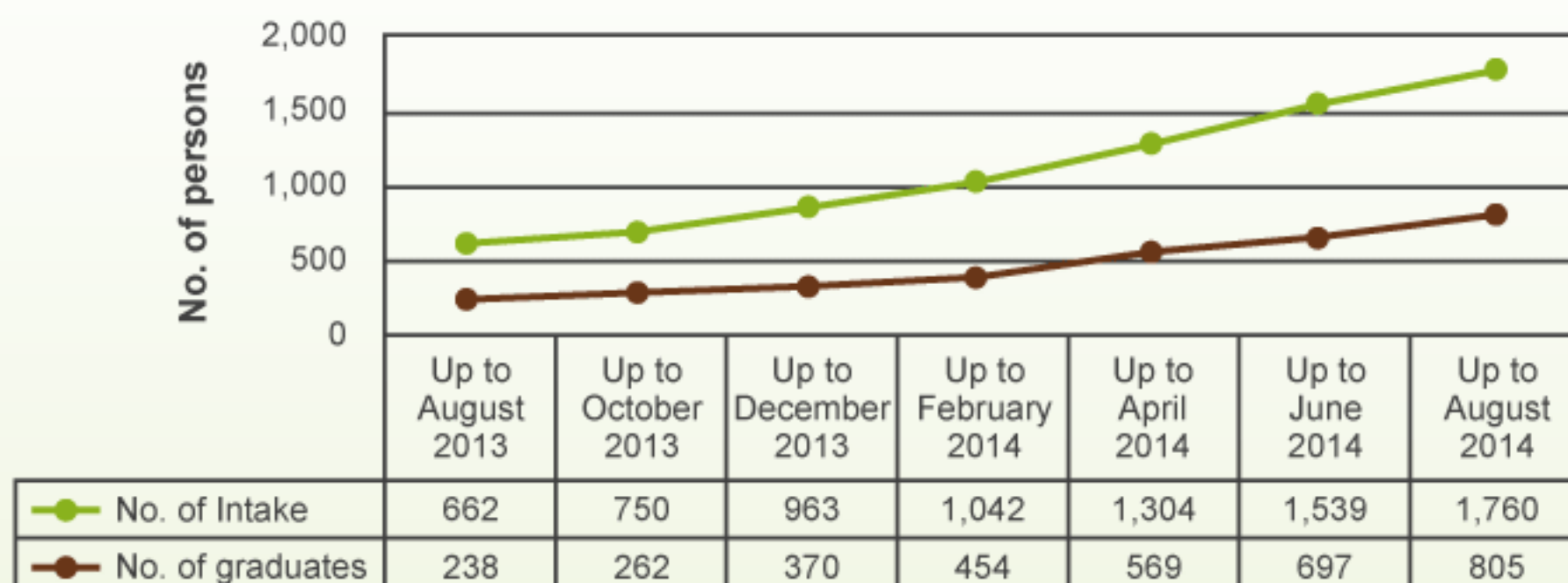
Graph of intakes and number of graduates under the Build Up Scheme as of August 2014:

Intake and Number of Graduates under the Build Up Scheme



Graph of accumulated intakes and number of graduates under collaborative training (including Contrator Cooperative Training Scheme, Subcontrator Cooperative Training Scheme, Plumbing-Contrator Training Scheme and Contrator Cooperative Training Scheme-E&M trades) as of August 2014:

Intake and Number of Graduates under the Collaborative Training Schemes



CIC Graduates Available for Employment

In the monthly email sent out in early September 2014 to prospective employers, the number of graduates available for interview for employment for the months of August and September 2014 respectively are 139 and 305 as tabulated below:

Trades	No. of Graduates Available Immediately for Interview	No. of Graduates Available in September 2014 for Interview
Bar-bending and Fixing	5	100
Metal Works	0	15
Computer Aided Drafting	16	0
Measurement Technician Assistant	16	0
Plumbing and Pipe-fitting in Building Construction	10	10
Timber & Aluminium Formwork	25	32
Metal Formwork and Concreting	5	14
Surveying and Setting-out	10	40
Site Surveying	10	40
Repair & Maintenance in Building Works	2	15
Bricklaying and Plastering	5	0
Bricklaying and Tiling	5	15
Joinery for Building Works	10	0
Metal Scaffolding (Civil Engineering and Building Construction) (Chinese Class)	2	0
Metal Scaffolding (Civil Engineering and Building Construction) (English Class)	5	0
Compactor Operation	3	0
Tower Crane Operation	0	4
Painting	10	20
Total	51	366

For more information on the employment of our graduates, please visit the CIC's website:
<www.hkcic.org/chi/employer/graduates.aspx>

On-the-job Training Subsidy Scheme

Under the above subsidy scheme, a subsidy ranging from \$4,000 to \$6,000 per month would be given to participating employers of Enhanced Construction Manpower Training Scheme (including in-house training and collaborative training schemes' courses) graduates. Subsequent to its launch in late 2013, a total of 42 applications have been approved to subsidise 111 trainees to receive on-the-job training in bar-bending, timber formwork, construction scaffolding works, surveying and setting-out, site surveying, marble polishing, metal formwork, metal works, plumbing installation in buildings, tower crane, and welding. A total of 7 applications involving two new trades on tower crane and tunnel works to provide 26 training places are also received and being processed.

Launch of Construction Industry Cooperative Training Scheme (Labour Union) – Pilot Scheme

A pilot scheme, i.e. the Construction Industry Cooperative Training Scheme (Labour Union), is recently approved by CITB in an attempt to provide more manpower for the industry. Hong Kong Construction Industry Employees General Union will be the first participating party of the pilot scheme and be responsible for monitoring the sub-contractors in providing the required training. The pilot scheme will serve as the blueprint to encourage introduction of other cooperative training schemes for non-members of trade associations. The training target for the fourth quarter of 2014 is initially set at 200 and the trades to be covered will include plastering, metal scaffolding, painting and plumbing & pipe-fitting in building construction.

Introduction of Advanced Courses on Building Information Modeling and Extension of Module Exemption of Safety Training Course for Site Management Staff

Three advanced courses on Building Information Modelling (BIM), namely Advanced Course on BIM (Construction Design), Advanced Course on BIM (Structural) and Advanced Course on BIM (Building Construction), are recently approved for introduction in the last quarter of 2014 by the CITB. The training duration of the three part-time courses are 30 hours each. Preference will be given to those who have completed the Building Information Modelling Basic Course.

For the Safety Training Course for Site Management Staff newly introduced in late 2013, some minor amendments will be made to the course syllabus and different levels of module exemption will be extended to cover those management personnel who have completed the safety training courses as specified.

Training Capacity of Part-time Courses in 2014/2015

Having taken into account of the needs of the industry and the legislative requirements, the CITB approved the following proposed training capacities of the part-time courses for in-service personnel in the year 2014/2015:

Course	Approved Training Capacity for 2014/15
Skill Enhancement Courses	3,506
Theory and Technology Courses	4,882
Safety Training Courses	58,380
Trade Test Related Certification Courses on mechanical operation	6,540
Regular Commissioned Courses for educational institutes	500
Irregular Commissioned Courses	1,800
Total	75,608

Amendments to Construction Workers Registration Ordinance

In response to the proposed amendments to the *Construction Workers Registration Ordinance (Ordinance)*, in particular the change of regulation basis from “trade” to “skill”, CITB is making preparations to introduce modular skill tests to enable workers to register under their respective modular skills so that they can continue their daily work upon implementation of the remaining phase of Prohibition of the *Ordinance*.

CIC's Publications

Alerts

- Procurement Alert No. 001/14 Use of On-Demand Performance Bonds in Construction Contracts (September 2014)
- Safety Alert No. 001/14 Fire Safety on Construction Sites (April 2014)
- Safety Alert No. 005/13 Excavation Works in the Vicinity of Underground Utilities – Buried Gas Pipes and Cables (December 2013)
- Safety Alert No. 004/13 Safe Use of Lifting Appliances and Lifting Gear (October 2013)
- Safety Alert No. 003/13 Avoid Using Ladders for Working at Height in Repair, Maintenance, Alteration and Addition Works (August 2013)
- Safety Alert No. 002/13 Adoption of Method Statements on Sites (May 2013)
- Procurement Alert No.001/13 Recent Issues of Concern on Tendering of Construction Contracts (May 2013)
- Safety Alert No. 001/13 Safe Use of Mobile Metal Scaffolds for Repair, Maintenance, Alteration and Addition Works (May 2013)
- Safety Alert No. 003/12 Prevention of Electrocution (November 2012)
- Safety Alert No. 002/12 Safety Related Matters of Workers Engaging in Renovation and Repair Works (With The Use of Volatile Organic Compounds) in Commercial Premises (November 2012)
- Safety Alert No. 001/12 Water Pipe Laying Works – Pressure Test (Road Works) (August 2012)
- Safety Alert No. 001/11 Fabrication of Reinforcement Cages of Bored Piles (Updated in February 2013)

Guidelines*

Construction Safety

- Guidelines on Planking Arrangement for Providing Working Platforms on Bamboo Scaffolds (May 2014)
- Guidelines on Safety of Lift Shaft Works: Volume 3 – Throughout the Occupation Stage of Building (November 2013)
- Guidelines on Fabrication of Reinforcement Cages of Bored Piles (Version 1 - July 2013)
- Guidelines on Site Safety Measures for Working in Hot Weather (Version 2 - April 2013)
- Guidelines on the Adoption of the Pay For Safety Scheme (December 2012)
- Guidelines on Safety of Lift Shaft Works: Volume 2 - During Lift Installation Stage until Issue of Occupation Permit and Handing Over to Developer (January 2012)
- Guidelines on Handling Construction Work Injury and Fatal Accident Cases (July 2011)
- Technical Guidelines on the Design, Installation & Maintenance of Cast-in Anchors at External Walls of New Buildings (July 2011)
- Guidelines on Safety of Lift Shaft Works: Volume 1 - During Construction Stage and Before Handing Over to Lift Installation Contractor (July 2010)
- Guidelines on Safety of Tower Cranes (Version 2 - July 2010)
- Guidelines on Administration Charges for Reporting of Site Accidents (August 2008)
- Guidelines on Safety of Site Vehicles and Mobile Plant (June 2008)
- Guidelines on Site Safety Measures for Working in Hot Weather (June 2008)

Environment, Innovation and Technology

- Guidelines on Trip Ticket System for Disposal of Construction & Demolition Materials in Private Sector Works (May 2011)

Procurement and Subcontracting

- Guidelines on Measures for Protection of Workers' Wages (Version 2 - March 2013)
 - Specimen Employment Contract (Extracted from the Guidelines on Measures for Protection of Workers' Wages, Version 2)
- Guidelines on Contract Price Fluctuation System (December 2011)
- Guidelines on Dispute Resolution (September 2010)
- Guidelines on Partnering (August 2010)

*Definition of Guidelines

Before September 2012: Guidelines are intended to guide industry participants to adopt new standards, methodologies or practices. The CIC strongly recommends the adoption of these Guidelines by industry stakeholders where appropriate.

After September 2012: The CIC expects all industry participants to adopt the recommendations set out in such Guidelines and to adhere to such standards or procedures therein at all times. Industry participants are expected to be able to justify any course of action that deviates from those recommendations.

Reference Materials

- Roadmap for Building Information Modelling Strategic Implementation in Hong Kong's Construction Industry (September 2014)
- Reference Materials for Application of Dispute Resolution in Construction Contracts (January 2013)

Reports

- BIM @ CIC Conference 2013 – Construction Innovation: Productivity and Technology (July 2014)
- Report on Manpower Research for the Construction Industry in Hong Kong (Workers) First update in 2013 (Specially Updated Version as of February 2014) (June 2014)
- Draft Standard Form of Domestic Sub-Contract (Consultation Document) (March 2014)
- Final Draft Report of the Roadmap for BIM Strategic Implementation in Hong Kong's Construction Industry (September 2013)
- Research on River Sand Substitutes for Concrete Production and Cement Sand Mortar Production (Phase One) Final Report (April 2013)
- Study Report - Research on Adhesion Technologies for External Wall Tiles and Rendering (January 2013)
- Demand and Supply Forecast of Hong Kong Construction Workforce for 2012 to 2016 (September 2012)
- Status Report - Update on the Review of Local Construction Standards 2012 (June 2012)
- Summary Report on Review of Local Construction Standards (2010)

Fact Sheets

- Procurement Fact Sheet No. 001/14 Owner-Controlled Insurance Programme in Construction Contracts (September 2014)
- BIM: Fact Sheet No. 001/13 Strategic Implementation of Building Information Modelling (BIM) in Hong Kong's Construction Industry (May 2013)
- Procurement Fact Sheet No. 001/13 The Competition Ordinance (April 2013)

Educational Materials

- Liberal Studies: Hong Kong Construction Industry Information Kit (October 2013)



CIC's publications are available for download from the CIC website via the below hyperlink:
<<http://www.hkcic.org/eng/info/publication.aspx?langType=1033&id=4458>>



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