



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# CIC SNAPSHOTS

ISSUE 15  
DECEMBER 2014

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 on Construction Vehicles in Europe

Mr. CHEUNG Hau-wai, Chairman of Committee on Construction Safety (Com-CSY), together with CIC member Mr. CHOW Luen-kiu and Ms. Angela YUEN, Manager – Council Services, participated in the Safety Visit on Construction Vehicles in Europe organised by the Hong Kong Professional Hoisting Engineering Association (HKPHEA) from 27 September to 9 October 2014.

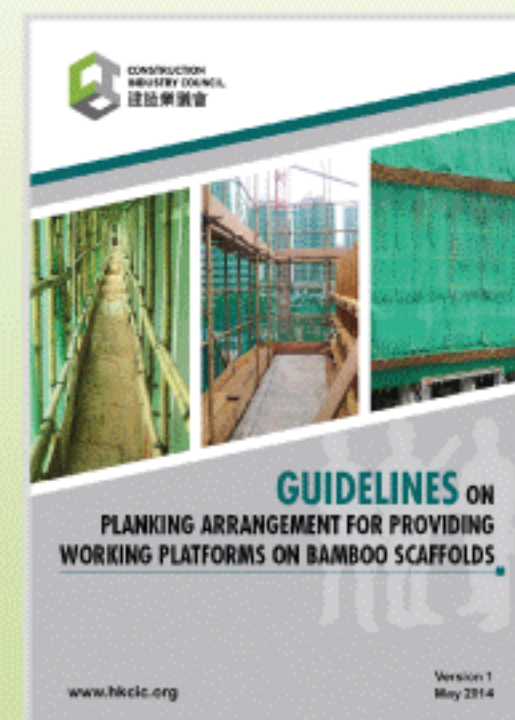
With an aim to review the safe use of construction vehicles and study how to apply innovative design on construction vehicles to enhance construction safety, participants were arranged to attend the *Internationale Automobil-Ausstellung* (IAA International Automobile Exhibition), which is the world's largest motor show including construction vehicles. The visit also covered 3 European manufacturing factories for construction vehicles where new and enhanced safety design were showcased.

### Introduction on CIC Guidelines

CIC issued the *Guidelines on Planking Arrangement for Providing Working Platforms on Bamboo Scaffolds* (Guidelines) on 30 May 2014. The Guidelines provide practical guidance on the roles and responsibilities of main contractors and subcontractors in the provision of suitable working platforms on bamboo scaffolds. To enhance public awareness of the new Guidelines, Ms. Sally LEUNG, Manager – Council Services, gave a presentation on the Guidelines in the Seminar on Bamboo



Scaffolding Safety for Construction Industry organised by the Occupational Safety and Health Council (OSHC) on 28 October 2014. Over 200 industry stakeholders attended this seminar.





### Technical Seminar on Construction Work Safety Near Water

The CIC is highly concerned that 3 accidents occurred in recent months during construction works near water. To provide initial recommendations and quick reference for frontline construction personnel on the safety measures to prevent similar accidents from happening again, a Technical Seminar on Construction Work Safety Near Water was held on 4

### Delegates from Construction Industry Safety Association of Guangdong Province

On 22 October 2014, around 40 delegates from Construction Industry Safety Association of Guangdong Province visited the CIC. Ms. Angela YUEN, Manager – Council Services, delivered a presentation to introduce the Com-CSY and its recent activities. Mr. Elton SO, Lecturer from Management and Safety Training Centre, briefed delegates on the arrangement of safety training courses. Mr. Christopher TO, Executive Director of the CIC, presented souvenirs to the delegates. The delegates

### Guidelines on the Implementation of “P” and “N” Caring Programme under Preparation

To promote the good practices of better caring for new comers at construction sites, the Com-CSY is now reviewing and preparing the draft of *Guidelines on the Implementation of “P” and “N” Caring Programme*.

December 2014 at the Construction Industry Resource Centre. Distinguished speakers from the Marine Department, Labour Department, contractor and safety practitioners of the industry would be invited to share with the delegates safety measures near water in different aspects. The Informal Task Force on Site Safety Incidents would also prepare a safety poster in this regard.

were also toured around CIC Kowloon Bay Training Centre and Construction Industry Resource Centre.

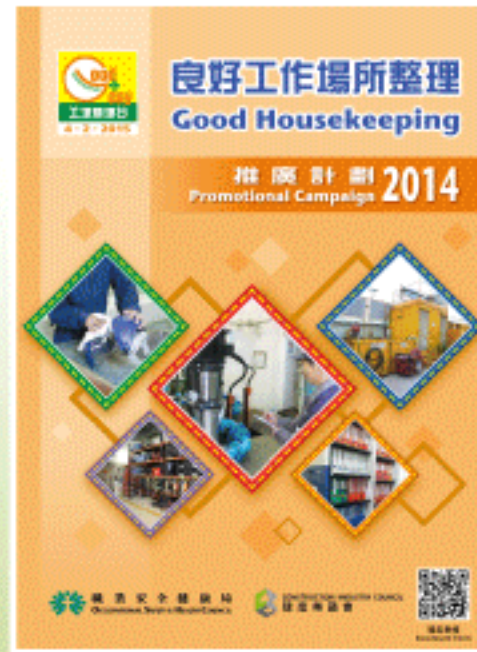


The draft Guidelines would be submitted to the Task Force on Site Housekeeping at its meeting scheduled for December 2014 for endorsement. The final draft of the Guidelines would then be reviewed by the Com-CSY later.



## Good Housekeeping Promotional Campaign 2014

The OSHC and the CIC are pleased to launch the Good Housekeeping Promotional Campaign 2014. To sustain the momentum in improving safety and health in the working environment, the Campaign is open to all organisations with the interest



to improve housekeeping at their workplaces and experience the benefits of good housekeeping techniques. Consisting of the Good Housekeeping Workshops and the Good Housekeeping Competition, the Good Housekeeping Day will commence on 4 February 2015 with a forum and an award presentation ceremony.

## Committee on Environment, Innovation and Technology

Currently, Building Information Modelling (BIM) is a key process to facilitate in project management and operation in the building and construction industry with the adoption of new technologies. The advantages of BIM include more effective control of the entire project's workflow, provision of greater transparency to all stakeholders, as well as reduction of capital cost and carbon load through avoiding reworks and errors in the project.

Co-organised by CIC and Hong Kong Trade Development Council, the "BIM Day" was held during the Hong Kong International Building and Hardware Fair for academics and industry participants to discuss

on related topics. The "Building Performance and BIM" exhibition was launched for the first time from 29th to 31st October to allow buyers to fully understand BIM and related products and services e.g. BIM training, cloud collaboration platform, mobile construction management systems, etc.

CIC and Hong Kong Institute of Building Information Modelling (HKIBIM) also organised the HKIBIM-CIC Conference on the same day of BIM day. Overwhelming support was received from a total of 350 industrial participants joining the conference and exchanging views.

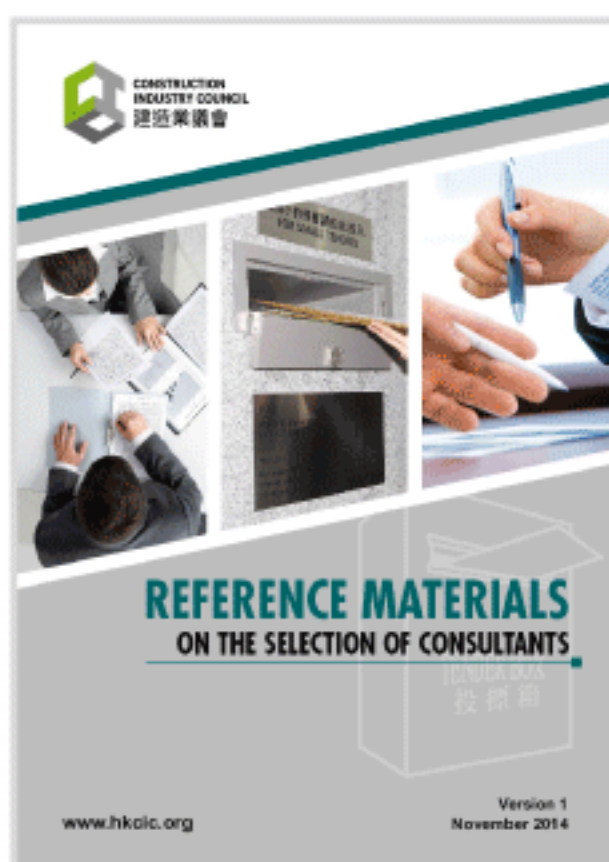




## Committee on Procurement and Subcontracting

### Reference Materials on the Selection of Consultants Published

The Committee on Procurement and Subcontracting (Com-PNS) has published *Reference Materials on the Selection of Consultants* (Reference Materials). The purpose of the Reference Materials is to assist clients, employers and other relevant stakeholders in the procurement of design and other consultants required for construction projects. To achieve this, the Reference Materials describe the objectives, principles, processes and methodologies for the procurement of consultants with a view to achieving project objectives effectively and providing a fair, transparent and efficient platform for interested parties to participate in the consultant selection process. The Reference Materials also cover topics such as development of procurement strategy, selection of tenderers and tendering, tender evaluation and contract award, as well as performance assessment. Stakeholders are recommended to adopt those standards and methodologies which are regarded as good practice in the Reference Materials.



### Speaking at the NEC Asia Pacific Users' Group Conference 2014

Mr. Vincent CONNOR, co-opted member of CIC's Task Force on NEC3 Collaborative Contracts (Task

Force), delivered a presentation on "NEC and CIC: Working Together" at the NEC Asia Pacific Users' Group Conference held on 10 October 2014.

In his presentation, Mr. CONNOR briefed the audience on the background to the formation of the Task Force. He highlighted that the objective of the Task Force was to share knowledge and experience on the use of NEC as a form of collaborative contracts in Hong Kong.

Mr. CONNOR also gave an overview on the application of partnering and collaborative contracts in the construction industry. To demonstrate the rapid growth in the use of collaborative contracts in Hong Kong, Mr. CONNOR highlighted that, as of January this year, the government had selected 40 pilot contracts for trying out the use of NEC3 and the Development Bureau had announced that it would extend the scope of the trial and adopt the NEC form as far as possible in all public works tenders to be first gazetted in 2015/2016.







Mr. CONNOR further shared with the audience a number of recent initiatives of the CIC in promoting the use of collaborative contracts in Hong Kong, including the preparation of Reference Materials on NEC3. The Reference Materials, expected to be published in early 2015, would provide answers to over 40 FAQs covering topics such as “what is NEC3”, “why choose NEC3” and “how to use NEC3”.

Mr. CONNER also informed the audience that the NEC UK and the CIC were exploring opportunities to work together to promote the use of collaborative type of contracts in Hong Kong and that a Memorandum of Understanding for Collaboration would be signed soon.

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

The Com-PNS has recently endorsed the Work Plan of the Task Force on Competition Law for 2014/2015 and a series of industry-specific competition law publications, including FAQs, Case Summaries, Code of Conduct and Fact Sheets, will be prepared for issuance in early to mid-2015.

## Committee on Productivity and Research

### World Sustainable Building 2014 Barcelona Conference

Ir Julian LEE, Manager – Research was one of the speakers at the WSB14 Conference. On 29 October 2014 (Day 2 of the Conference), he delivered a speech in the session “Can Sustainable Resources Management Keep Up with Rapid Urbanisation / Building Construction?”. In his presentation, the endeavours of the Hong Kong construction industry towards applying low-carbon concepts in building design and construction was highlighted. Apart from the key green actions taken by the government and the Hong Kong Green Building Council, Ir LEE also

introduced the CIC Carbon Labelling Scheme launched in January 2014 as the key step towards low carbon city.





Ir Julian LEE was also invited to speak in the 2014 Mainland and Hong Kong Construction Industry Forum held in Nanning, China from 9 to 11 November 2014, of which CIC was one of the supporting organisations. Echoing the theme "Collaborative Development with a Global Perspective, Integrated Management with Innovative Technology", he shared with participants the strategic plan for collaboration between China and Hong Kong on managing international projects with their respective assets in the construction industry, such as the extensive knowledge possessed by the professionals in Hong Kong and the experience of managing large scale

Research institutes were invited to apply for the latest round of CIC's research funding in late September

construction projects in China. Sharing innovative construction technologies and experience shall bring a win-win situation to China and Hong Kong in overseas projects.



2014. Research proposals submitted by the end of November 2014 will be scrutinised by the CIC Secretariat and the Task Force on Research.

## New Construction Workers Registration Services Point Opened

The new CIC Service Centre (Sheung Wan) located at Room 2001, Alliance Building, 130 Connaught Road Central, Sheung Wan (Sheung Wan MTR Station Exit C) is in operation since 17 November 2014, providing greater



convenience for workers. Meanwhile, the Workers Registration Office in Aberdeen is now closed. For the locations and opening hours of all the five services points for workers registrations, please go to the CIC website: <http://cwr.hkcic.org/registra>







## Vertical Green Wall Sponsorship Agreement Signing Ceremony

As a charitable organisation, Zero Carbon Building Limited (ZCBL) is actively engaging industry stakeholders' participation in showcasing and promoting the latest low carbon technology to the industry. Thanks to the generous sponsorship of Eco-Green Group Limited, a Vertical Green Wall will be installed for the building exterior near the vehicle entrance of ZCB, to add to the greenery of the area.

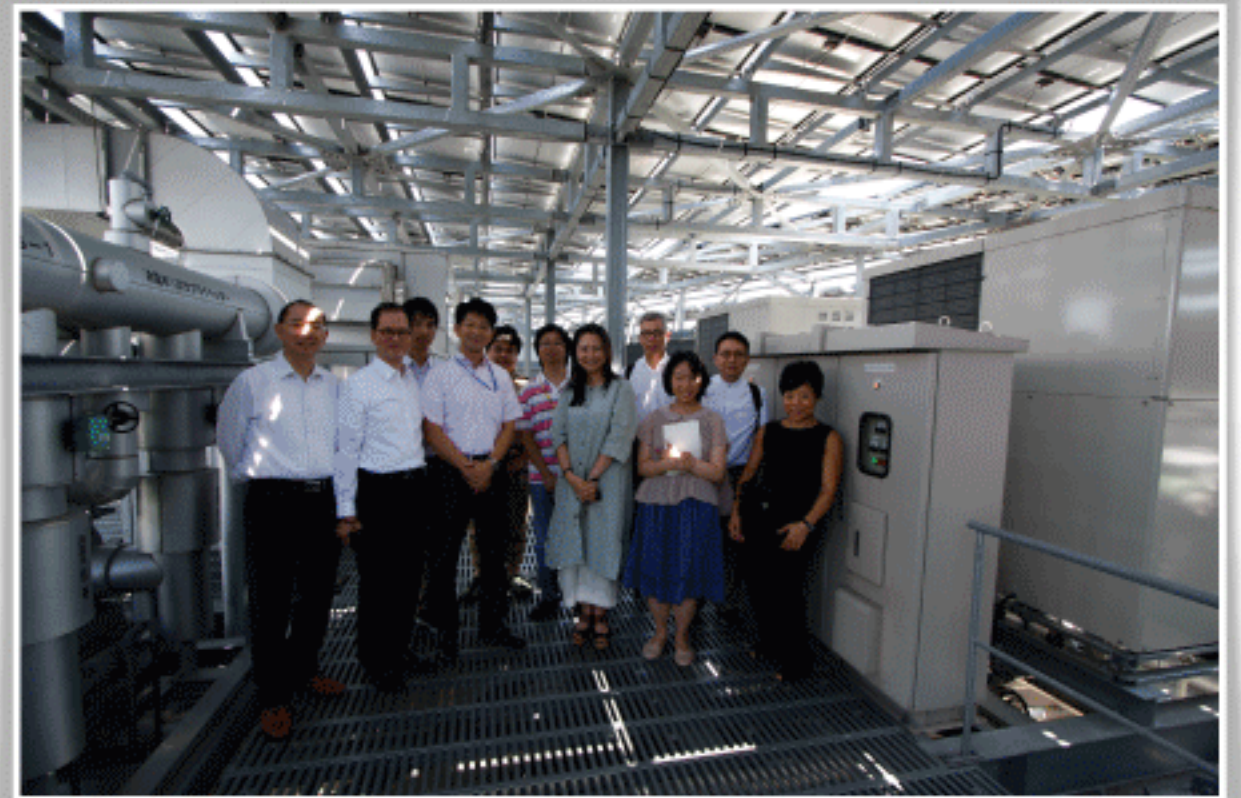
The sponsorship agreement signing ceremony was held at ZCB on 22 October 2014. The sponsorship includes design, supply, installation and maintenance of Vertical Green Wall at ZCB. Mr. Benny CHUANG, Director of Eco-Green Group Limited, Mr. YU Wai-wai, Chairman of ZCBL and Dr. LI Guiyi, Director of ZCB, attended the signing ceremony.



Mr. Benny CHUANG (right), Director of Eco-Green Group Limited and Mr. YU Wai-wai, Chairman of ZCBL signing the agreement

## Visiting Zero / Low Carbon Buildings and Smart Homes in Japan

In order to keep up with the latest trends and developments in low carbon building design and technologies and to exchange the ideas with overseas establishments in this rapidly evolving field, a ZCBL Board delegation took a four day tour from 6 to 9 August and visited six zero / low carbon buildings and smart homes in and near the Tokyo Metropolitan area where the density and urbanisation level are similar to that of Hong Kong.



ZCBL Chairman Mr. YU Wai-wai presented a ZCB bamboo souvenir to Mr. Kazuhiko YAMAMOTO, President and C.E.O of Mori Urban Planning Corporation





## Seminar on Working Towards Zero Carbon Buildings

The CIC, ZCB and Centre for Innovation in Construction and Infrastructure Development of The University of Hong Kong jointly organised a seminar on "Working Towards Zero Carbon Buildings" on 29 September 2014, aiming to enhance the understanding and practices of the local construction industry in working towards zero carbon buildings. Local and overseas speakers joined together to shared with the delegates their expert knowledge and practical experience in zero / low carbon buildings.



## ZCBL Board Member Appointed Professorship in Architecture

Prof. Edward NG, a ZCBL Board Member, was recently appointed the Yao Ling Sun Professorship in Architecture by the Chinese University of Hong Kong, for his outstanding contribution in improving the local built environment. On 21 October, Prof. NG gave his inaugural lecture entitled "The Right to be Done" and shared his experience as a scholar and an architect with students and audiences. Hosted by Prof. Joseph SUNG, Vice-Chancellor and President of the University, the lecture was well attended by architectural practitioners from across Hong Kong.



Mr. YU Wai-wai, Chairman of ZCBL, Ms. Salenda LAU, ZCBL Board Member and Dr. LI Guiyi, Director of ZCB, congratulating Prof. NG



## Construction Industry Training Board

### Updates of Manpower Situation

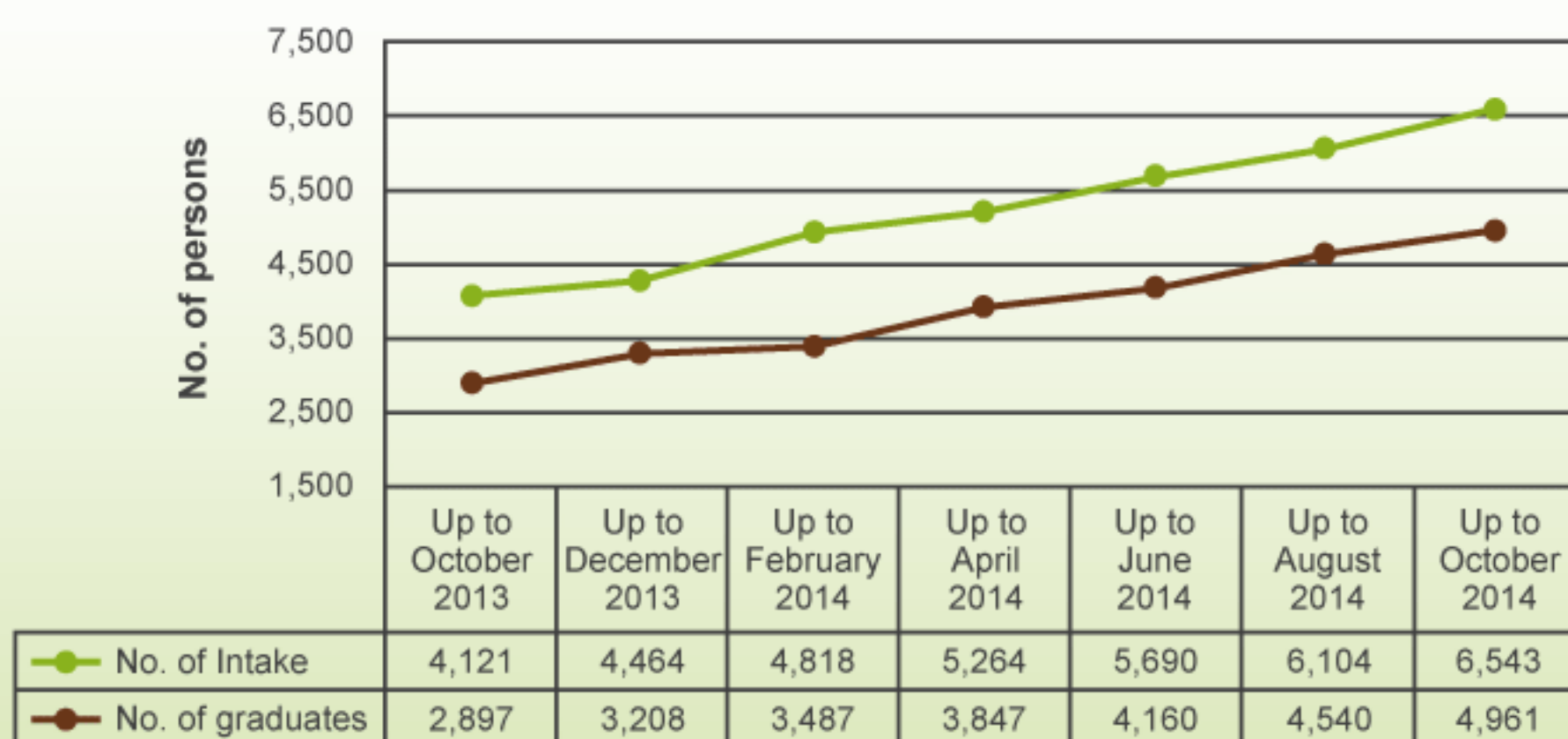
The second update of the Construction Industry Council Manpower Forecasting (CICMF) model on Construction Workers is completed and its public version has been uploaded onto the CIC website for public information in early October. In the meantime, the first update of the CICMF model on site supervisors, technicians and professionals in the construction industry is also completed and its result has been generally approved by the CIC. With amendments incorporated and final endorsement from the Construction Industry Training Board attained, the public version will be released at the CIC website.

### Training Initiatives for Workers

The CIC has approved 5,282 in-house and 2,611 collaborative training places on worker level in 2013/14. 2,940 among the above in-house training places are from the Enhanced Construction Manpower Training Scheme (ECMTS) short courses of the 10 trades facing acute manpower shortage. Since the implementation of ECMTS short courses in Sept 2010, the CIC has trained more than 6,500 persons.

Intakes and number of graduates under the ECMTS in-house short courses as of October 2014:

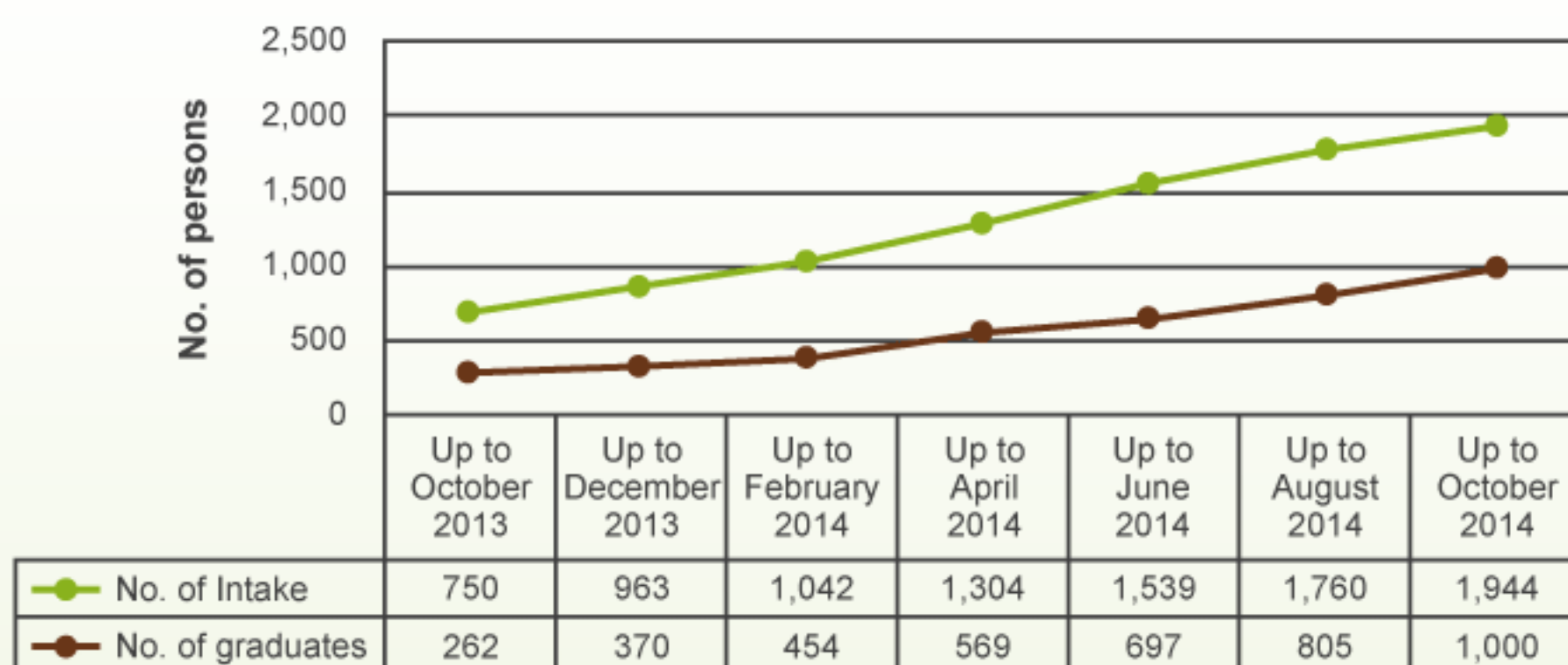
**Intake and Number of Graduates under the ECMTS inhouse courses**



Intakes and number of graduates under collaborative training including Contractor Cooperative Training Scheme (CCTS), Sub-contractor Cooperative Training Scheme (SCTS), Plumbing-Contractor Cooperative Training Scheme (PCTS), Contractor Cooperative Training Scheme — E&M Trades (CCTS—E&M), and Construction Industry Cooperative Training Scheme (CICTS) as of October 2014:



## Intake and Number of Graduates under the Collaborative Training



## CIC Graduates Available for Employment

In the monthly email sent out in early November 2014 to prospective employers, the number of graduates of 18 adult short courses available for interview for employment is tabulated below:

Trades	No. of Graduates Available Immediately for Interview	No. of Graduates Available in November 2014 for Interview
Bar-bending and Fixing	30	60
Welding	0	12
Metal Works	0	12
Computer Aided Drafting	3	0
Measurement Technician Assistant	3	0
Civil Engineering Supervisor Certificate Course	0	35
Plumbing and Pipe-fitting in Building Construction	12	0
Timber & Aluminium Formwork	47	97
Curtain Wall and Aluminium Window Installation	0	15
Surveying and Setting-out	15	20
Site Surveying	15	0
Bricklaying and Tiling	5	15
Bricklaying and Plastering	5	15
Joinery for Building Works	5	25
Metal Scaffolding (Civil Engineering and Building Construction) (English Class)	3	0
Tower Crane Operation	1	0
Painting	5	20
Tower Crane (Erecting, Dismantling, Telescoping and Climbing) Worker's Assistant	0	7
<b>Total</b>	<b>149</b>	<b>333</b>



For more information on the employment of our graduates, please visit the CIC's website:

<[www.hkcic.org/eng/employer/graduates.aspx](http://www.hkcic.org/eng/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 ECMTS (including in-house training and collaborative training courses) graduates. Subsequent to its launch in late 2013, a total of 59 applications have been approved to subsidise 171 trainees for on-the-job training. A total of 7 applications to provide 25 training places are also received and being processed.

### **Construction Industry Cooperative Training Scheme (Labour Union) – Pilot Scheme**

The first application under the above pilot scheme submitted by the Hong Kong Construction Industry Employees General Union in October 2014 to provide 20 training places for metal scaffolding was approved to meet the expanding manpower needs of the trade.

### **More Classes Launched for Specific Courses**

As an effort to shorten the queuing time, 20, 60 and 21 additional training places in 2014/15 will be provided for the courses on Welding, Measurement Technician Assistant Course and Tower Crane Operator respectively through revamp of training period, procurement of an additional crane, outsourcing computer related course topics and recruitment of more instructing staff.

### **Introduction of Appreciation Course on Contract Documents of Conservation of Built Heritage**

A 12-hour appreciation course on contract documents of conservation of built heritage will be launched in late 2014 targeting to train in-service practitioners of professional institutes. The training fee is \$950 and the class size is 20 persons.

### **Revamp of Physical Training Session of 1-year Basic Craft Courses**

From 2015/16, the 10-day session on physical training of our 1-year basic craft courses will be replaced by a 3-day Adventure Activity. The remaining 7 days would then be used to further enhance the training of the basic craft skills.



## 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

- Reference Materials on the Selection of Consultants (November 2014)
- 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

- Report of CIC Manpower Forecasting Model 2014 (Site Supervisory Personnel, Technicians & Professional) (October 2014)
- Report of CIC Manpower Forecasting Model 2014 (Workers) (Amended) (September 2014)
- 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>>



## CONSTRUCTION INDUSTRY COUNCIL 建造業議會

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