



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# CIC SNAPSHOTS

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 handled by its committees.

## ISSUE 16

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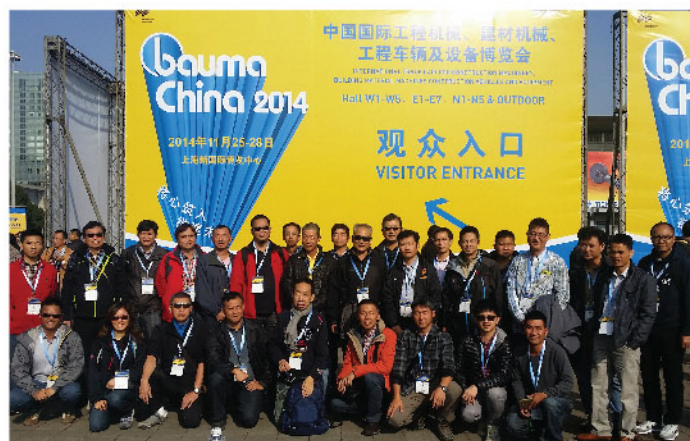


# Committee on Construction Safety

## The 7th International Trade Fair for Construction Machinery, Building Material Machines, Construction Vehicles and Equipment

Mr. CHEUNG Hau-wai, Chairman of Committee on Construction Safety (Com-CSY), and Ms. Angela YUEN, Manager – Council Services, participated in a safety visit to the 7th International Trade Fair for Construction Machinery, Building Material Machines, Construction Vehicles and Equipment in Shanghai from 24 to 27

November 2014 arranged by the Hong Kong Professional Hoisting Engineering Association. As the number one trade show in Asia, this event provides an international platform for exhibitors and visitors from all over the world to communicate and exchange on the latest products and technologies, discuss and solve the common problems of current development, and promote the development and sustainable success of the Chinese construction machinery industry.



## Technical Seminar on Construction Work Safety Near Water

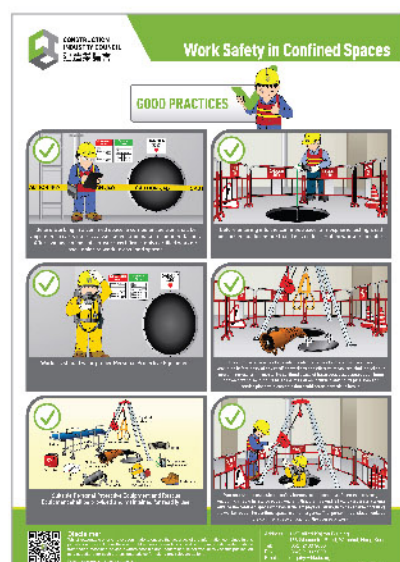
A technical seminar on Construction Work Safety Near Water was held successfully on 4 December 2014 at the Construction Industry Resource Centre. The seminar aims at providing a better understanding on existing statutory regulations, potential risks and good safety practices that frontline construction personnel can promptly implement in their works. Speakers from Marine Department, Labour Department, Contractor and Safety Practitioners of the industry were invited to share with the delegates their insights in construction work safety near water in various aspects.



Overwhelming response were received from around 130 delegates including graduates, safety practitioners, site staff, consultant and senior management. The Chairman of Com-CSY and the Chairperson of the Informal Task Force on Site Safety Incidents gave a welcome remark and facilitated the Q&A Session respectively.

## Construction Safety Poster No. P-CSY-002-14 – Safety for Construction Work Carried Out On, Adjacent To or Over Water – Prevention of Fall into Water Published

Com-CSY is highly concerned about the accidents occurred in recent months about construction works near water. The Com-CSY and the Informal Task Force on Site Safety Incidents prepared a *Construction Safety Poster No. P-CSY-002-14 – Safety for Construction Work Carried Out On, Adjacent To or Over Water – Prevention of Fall into Water* in this regard and published in December 2014.



## Construction Safety Poster No. P-CSY-003-14 – Work Safety in Confined Spaces Published

Com-CSY is also cautious on the accident occurred in recent month concerning works inside manholes. The Com-CSY and Informal Task Force thus prepared a *Construction Safety Poster No. P-CSY-003-14 – Work Safety in Confined Spaces* and published in December 2014 to remind various parties to adopt the good practices to avoid occurrence of accidents.

## Safety Alert No. 001/15 on Safety Use of Vertical Transportation at Construction Sites Published

The CIC published *Safety Alert No. 001/15 Safety Use of Vertical Transportation at Construction Sites* (Safety Alert) on 14 January 2015 to encourage stakeholders to provide a safe and effective vertical transportation to workers within the construction sites. Relevant stakeholders such as Developer, Architect, Engineer, Contractor and the like should thoroughly consider the feasibility to provide Builder's Lift during design and planning stage; hoisting works should be ensured to have followed the approved method statement; Builder's Lift should only be operated by competent operator; and a clean and safe working environment should be maintained.



## Guidelines on Site Safety Measures for Working in Hot Weather highlighted at Press Conference

Working in hot weather for a prolonged period of time poses threats to the health of construction workers. As reported in the *Guidelines on Site Safety Measures for Working in Hot Weather* published by CIC, it is found that a 15-minute morning break can restore energy for construction workers and improve their work efficiency. Ms. Angela YUEN, Manager – Council Services was invited by Prof. Albert CHAN from the Department of Building and Real Estate of the Hong Kong Polytechnic University to attend their press conference to speak on CIC's effort in encouraging industry stakeholders to build up a better and safer working environment for workers.

### 研地盤工咁15分鐘防中暑 理大獲獎

香港文匯報訊（記者 盧伊莎）為減低建築工人在酷熱天氣、中暑的情況，理工大學建築及房地產學系教授陳卓榮與研究團隊，通過地盤實地考察和氣候模擬實驗，並詳細分析，發現安排建築工人小休15分鐘，能預防中暑。研究結果促使建築議會去年發出新指引，要求給予建築工人在每年5月至9月期間，早上有15分鐘小休時間。研究亦獲得多項本地和國際獎項，包括2014年度亞太區項目管理大獎，獲受國際肯定。另間接研究新開的冷凍衣，為工人降溫。

陳卓榮表示，研究發現建築工人消耗大量體力後，平均可於休息15分鐘後，回復原來體能的39%，15分鐘可升至50%，30分鐘則可升至92%等。建造業生產效率及職業健康安全，得出最佳最佳工作時間安排，建議建築業安排工人在早上小休15分鐘，以預防中暑。

**研實局資助83萬研冷凍衣**  
上述研究亦獲理大進行其他項目，包括今年獲研究資助83萬元，研發專為建築工人而設的冷凍衣。並於市面有售的圓筒的冷凍衣，但陳卓榮稱，因其冷凍效果放入雪櫃冷藏，且布料較厚重，布料不耐穿等問題，他替，團隊將融入人工智慧技術，利用由工人射發，能於不同溫度下轉換形態的納米材料，並採用耐帶耐用的布料，為建築工人度身訂造一款成本較低廉的冷凍衣。他預計，明年5月前將完成冷凍衣的初版製作，屆時會先讓建築工人穿著測試，再作改良，料可為工人降溫並提升工作效率。

研究團隊實地考察，收集建築工人的生理數據作詳細分析。

陳卓榮（中）稱，以科學實驗研究提出預防工人中暑建議，在數據支持下有說服力。 蔣伊莎 攝

19.12.2014 : Source from Wen Wei Po



## Site Visit for the Task Group on Site Safety of Working in Lift Shaft

Following the site visit on 23 September 2014 to Hong Kong Housing Society's projects at Greenview Villa, the Task Group on Site Safety of Working in Lift Shaft under Com-CSY took part in another visit to Yoho Town Phase III in Yuen Long arranged by the Lift and Escalator Contractors Association on 22 December 2014 to review the builders' lift operation and climbing procedure for drafting a set of guidelines on Builder's Lift.

## Stakeholders Relation

Mr. Victor WONG, Senior Manager – Council Services and Ms. Sally LEUNG, Manager – Council Services attended the Safety, Health and Environmental (SHE) Day hosted by the Project Division of Hong Kong Electric (HKE) at Lamma Power Station on 9 December 2014 on behalf of the CIC. Mr. WONG presented on the key achievements of Com-CSY in 2014 and CIC's initiatives in construction safety measures to over 200 delegates who were largely the technical staff of HKE and industry stakeholders.



Mr. Victor WONG, Senior Manager – Council Services, Ms. Angela YUEN, Manager – Council Services and Ms. Sally LEUNG, Manager – Council Services, attended an Occupational Safety & Health Visit organised by the Hong Kong Federation of Occupational Safety and Health Association (HKFOSHA) on 5 January 2015 and visited the Ping An International centre and China Vanke Co. Ltd's Construction Site to appreciate and learn the good practices of occupational safety and health management adopted in the two sites.



## Committee on Environment, Innovation and Technology

### BIM Excellence Awards

The BIM Excellence Awards aim to recognise construction practitioners who have spearheaded an effort in the harnessing of BIM technology and processes to further design, construction and project excellence. The awards offer a unique platform for industry practitioners to preview their pioneering adoption of BIM throughout the entire building life cycle to other industry stakeholders. To broaden the perspective and outreach within the industry, the awards will be also giving honor to young professions and innovative practitioners.

The awards are divided into 3 categories which include BIMer of the Year; Young BIMer of the Year; and Construction Innovator by BIM. Receiving huge support from the industry with around 80 nominations, the submission period was closed on 18 December 2014. Received submissions are now under close assessment and the results will be announced soon.

**NEC Training**

**ECC Project Manager Accreditation Hong Kong**  
The NEC Gold Standard

**Partnerships**

Welcomes from Mr. HO Wing-cho, Chairman of Task Force on NEC's Collaborative Contracts, Construction Industry Council

I am pleased to report that the Hong Kong Construction Industry Council (CIC) and NEC are now working in partnership to deliver the project NEC Project Manager Accreditation programme in Hong Kong.

The CIC supports all forms of collaborative relationships with contractors, including contractual partnering and non-contractual partnering. This is in line with the CIC's 2010 publication 'Guidelines on Partnering'.

NEC represents a longstanding approach in the way projects are planned and managed because it has been operating within a partnering and collaborative relationship.

In recent years, an increasing number of employers in Hong Kong have opted for NEC's because of the fresh, effective management approach to the procurement of works, services and supply. In response, CIC's committee on procurement and subcontracting set up a task force on NEC's collaborative contracts.

The ECC Project Manager Accreditation, in design-build-construction, is designed with the idea necessary to be able to manage a high standard of operational project using the NEC's ECC. It uses the core NEC principles of partnering and collaboration as a basis, and in the end, I am positive that CIC will be able to deliver the programme to the Hong Kong community with confidence to see the best for project delivery across Asia Pacific.

Stephan HO

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## Committee on Procurement and Subcontracting

### Working with NEC UK to Promote the Use of Collaborative Contracts

Taking the initiative of promoting the use of collaborative contracts further, the CIC has recently signed a Memorandum of Understanding for Collaboration with the NEC Contracts United Kingdom. The main purpose of the collaboration is to work together to raise the awareness of the construction community to the increasing adoption of collaborative type contracts, of which NEC is one.

As part of the collaboration, NEC will work in partnership with the CIC to deliver the NEC Engineering and Construction Contract (ECC) Project Manager Accreditation Programme in Hong Kong. This Project Manager Accreditation Programme is designed to equip delegates with the skills necessary to be able to manage a project using the NEC ECC. Several rounds of classes are arranged in 2015 and the first round will be running from 9 to 13 February in ZCB.

## Visit to the Competition Commission

To prepare for the full implementation of the *Competition Ordinance*, the Competition Commission (the Commission) and the Communications Authority have jointly issued six draft guidelines for public comment. The draft guidelines are intended to present the views of the Commission and the Communications Authority on how they intend to interpret and apply the provisions of the *Competition Ordinance*.

Subsequent to the issuance of the draft guidelines, the CIC has made submissions to the Commission in November and December 2014 outlining its views and a visit has been arranged for Members of the Committee on Procurement and Subcontracting to meet with the Commission in early 2015 to exchange views on the *Competition Ordinance* and the draft guidelines.

Apart from the draft guidelines, the Commission has also published a SME brochure *The Competition Ordinance and SMEs* to assist small and medium sized enterprises in understanding their rights and obligations under the *Competition Ordinance*. Interested stakeholders can download the brochure from the Commission's website.

## Committee on Productivity and Research

### Seminar on Quality, Certification and Professionalism

Ir Julian LEE, Manager – Research, was invited by the Hong Kong Institution of Certified Auditors to deliver a presentation at the Seminar on Quality, Certification and Professionalism held on 4 December 2014. There are currently 14 local Product Conformity Certification Schemes (PCCSs) owned by different institutions but the resources and incentives for maintaining and advocating the PCCSs are inadequate.

In his presentation, Ir LEE acknowledged that a central body is required to review and update the PCCSs, as well as to promote and support wider application in the industry. The CIC will take the lead to coordinate the existing PCCSs and continue to drive ahead this meaningful initiative to enhance the quality and efficiency of the Hong Kong construction industry.



## CIC Research Funding Application

Following the call for research proposals announced on 30 September 2014 and closed on 30 November 2014, over 20 proposals were received and are currently being reviewed. The funding support results are expected to be released in March 2015.

# Construction Workers Registration Board



## Outreach Registration Renewal Service

Workers Registration Offices provided on-the-spot renewal service in 9 construction sites from August 2014 to February 2015 and attracted over 680 workers. New cards were mailed to workers without charge so that they do not have to set aside their daily works and apply or collect in person at a registration office for new registration cards. Site productivity was enhanced and the construction industry at large was benefited.

## Time Shorten for Collecting of Workers Registration Card

Workers making prior appointment before visiting Workers Registration Offices would now be able to collect the registration card on the same day of application. The time required for issuing registration card has been greatly reduced from 7 days in the past to 1 day with the enhanced computer system.

## Briefing Sessions on Reasonable Measures to fulfill Construction Workers Registration (Amendment) Ordinance 2014

To ensure smooth implementation of the *Construction Workers Registration (Amendment) Ordinance 2014*, CIC organised three briefing sessions in January to introduce the “Designated Workers for Designated Skills” provision and the proposed reasonable measures for “Instruction and Supervision” and “Exempted Works” to 300 industry stakeholders. Contractors were also invited to take part in the on-site trial scheme to examine the effectiveness of the proposed measures and include their opinions during the preparation of the Code of Practice.



## Pre-assessment for Senior Workers Registration

*Construction Workers Registration (Amendment) Ordinance 2014* is expected to take effect in April 2015. To facilitate workers with at least 10 years relevant work experience of trade divisions to register as skilled workers through a one-off special arrangement, 3 major labour unions were authorised to perform work experience verification and conduct pre-assessment to determine the qualification of workers. After the *(Amendment) Ordinance* becomes effective, workers without a trade test certificate obtaining such qualification can also be registered as skilled workers. Workers are encouraged to apply early to enjoy an assessment fee waiver.

## ZCB

### ZCB Unplugged Music Concert cum DIY Workshop

Officiated by Mr. YU Wai-wai, Chairman of ZCB and Dr. LI Guiyi, Director of ZCB via a robot, an Unplugged Music Concert was held as Christmas event on 21 December 2014 in ZCB to kick-start a series of publicity campaigns from December 2014 to April 2015 that aimed at promoting low carbon lifestyle and sustainable living to the public.



Five groups of up-and-coming singers were invited to perform unplugged music to demonstrate simple and purely acoustic sound that echoes with the low carbon living concept of ZCB. A DIY Craft-making Workshop was held in the same day with the aim to unleash creativity and enhance low carbon awareness of the participants.



## Low Carbon Wedding – True Man Show

Coming to its second year, the Low Carbon Wedding will be held again on Valentine's Day in 2015 for a pair of “green couple” to demonstrate their love for nature and encourage newlyweds to adopt a low carbon lifestyle after getting married.



The couple will arrive at the wedding venue in a classic horse-drawn carriage, a zero carbon form of transportation which also added to the romance of the event. Low carbon and organic canapés will be served for guests at the wedding. Public are welcome to join the Low Carbon Wedding and witness the couple tying the knot at ZCB.

## Seminar on International Practice and Stakeholder Engagement

The CIC, Zero Carbon Building Limited, as well as the Centre for Innovation in Construction and Infrastructure Development, the University of Hong Kong jointly organised a seminar on International Practice and Stakeholder Engagement on 6 January 2015. A blend of local and overseas speakers shared their knowledge in state-of-the-art practices of zero carbon buildings.

This seminar formally launched the Hong Kong Zero Carbon Partnership project which aims to help position Hong Kong as a world-class, knowledge-based, innovation-driven and multi-stakeholder-engaged hub for zero carbon building in urban environments.



# Construction Industry Training Board

## Updates of Manpower Situation

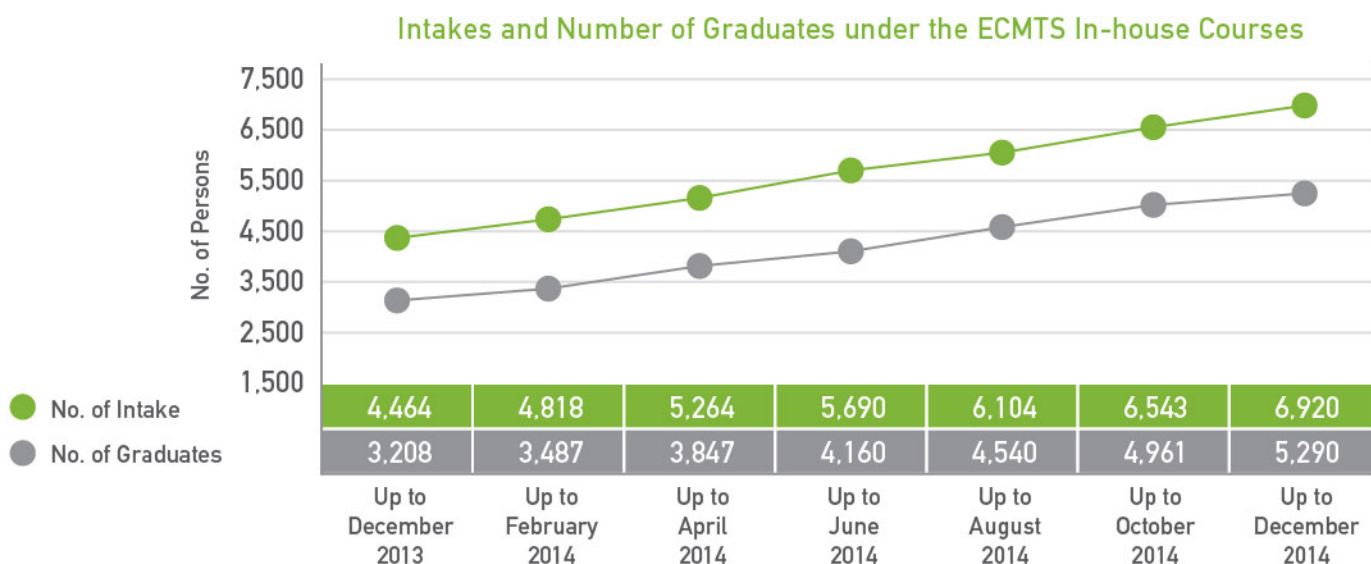
The public version of reports of the Construction Industry Council Manpower Forecasting (CICMF) Model 2014 updates on Construction Workers, Site Supervisory Personnel, Technicians and Professionals has been uploaded to the CIC's website in November 2014. Letters were sent to industry stakeholders regarding the announcement of the result. Please refer to the reports for details.

The updates of the CICMF Model 2015 is in progress and it will include the results of the joint surveys with professional bodies like the Hong Kong Institution of Engineers, the Hong Kong Institute of Surveyors, the Hong Kong Institute of Architects and the Hong Kong Institute of Construction Managers. The consolidated ratio of repair, maintenance, alteration and addition (RMAA) works versus new works based on the joint surveys with the Hong Kong Construction Industry Employees General Union, the Federation of Hong Kong Electrical and Mechanical Industries Trade Unions, the Hong Kong Confederation of Trade Unions and the Contractor's Authorised Signatory Association will be adopted in the 2015 updates.

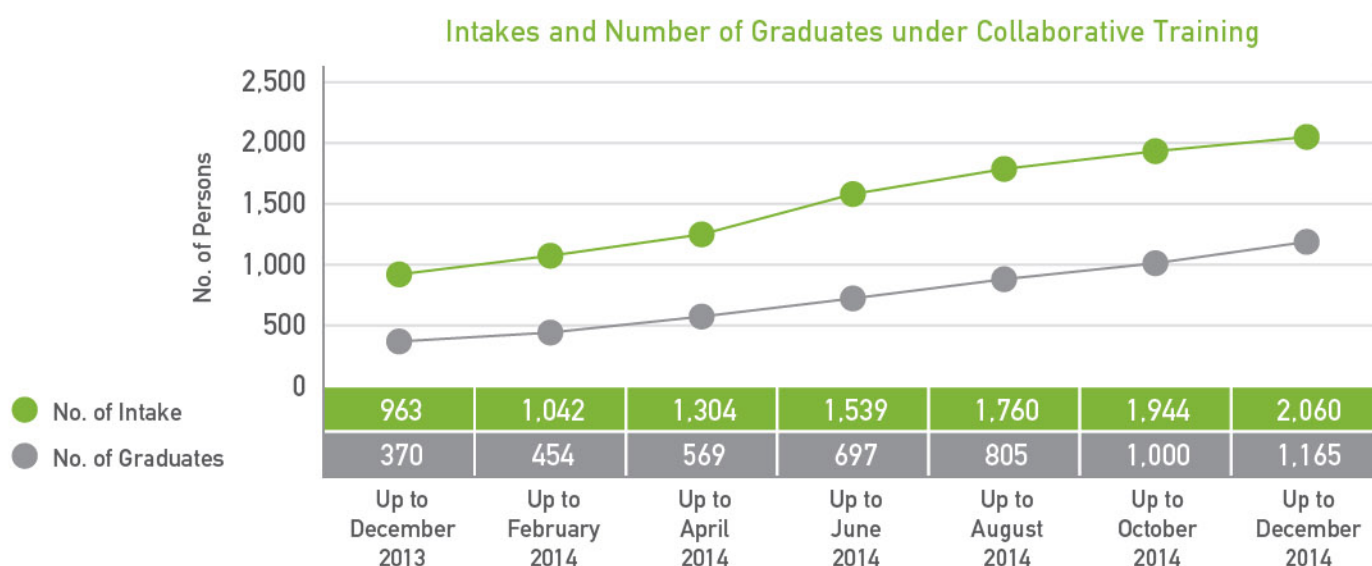
## Training Initiatives for Workers

The CIC has provided a number of training courses for the nurturing of new blood for the industry, which includes the 1-year Basic Craft Courses, adult short Courses, Enhance Construction Manpower Training Scheme (ECMTS) in-house courses and training for inmates of Correctional Services Department. It also collaborates with main contractors, sub-contractors, industry associations and trade unions to provide various collaborative training schemes. Trainees of 10 courses or trades (i.e. ECMTS trades) with acute manpower shortage are provided with a daily training allowance of \$320 to attract new blood to the trades. The training figures of ECMTS in-house courses and collaborative training schemes are tabulated below:

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



Intakes and number of graduates under collaborative training including Contractor Cooperative Training Scheme, Sub-contractor Cooperative Training Scheme, Plumbing-Contractor Training Scheme, Contractor Cooperative Training Scheme – E&M Trades and Construction Industry Cooperative Training Scheme as of December 2014.



The CIC also runs a training allowance scheme to subsidise the 1st year E&M students of the Diploma in Vocational Educational (DVE) Programme offered by the Vocational Training Council, under which a monthly allowance of \$2,800 for a total of 11 months will be given out to encourage these E&M students to join the construction E&M industry after 1-year training. As of 31 December 2014, a total of 573 students of the DVE Programme are accepted to join the training allowance scheme.

## Other Subsidy Schemes for CIC Graduates

Apart from continuing to offer the Apprenticeship Subsidy Scheme for giving a monthly subsidy of \$2,000 for a period of 12 months to graduates who sign apprenticeship contracts with their employers within one year after graduation, the CIC also launched an On-the-Job Training Subsidy Scheme in late 2013. Under the said 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. Up to the end of 2014, a total of 72 applications have been approved to subsidise 215 trainees to receive on-the-job training. A total of 7 applications to provide 51 training places are also received and being processed.

## Adult Short Course Graduates for Employment

In the monthly email sent out in early January 2015 to prospective employers, the number of graduates of 19 adult short courses available for interview for employment is tabulated below:

Trade	No. of graduates available for interview
Bar-bending and Fixing	95
Metal Works	15
Computer Aided Drafting	7
Building Services Supervisor Certificate Course	36
Civil Engineering Supervisor Certificate Course	45
Plumbing and Pipe-fitting in Building Construction	23
Timber & Aluminium Formwork	128
Metal Formwork and Concreting	25
Curtain Wall and Aluminium Window Installation	20
Surveying and Setting-out	30
Site Surveying	10
Bricklaying and Plastering	17
Joinery for Building Works	36
Metal Scaffolding	3
(Civil Engineering and Building Construction) (English Class)	1
Mobile Crane Operation	4
Tower Crane Operation	29
Painting	6
Excavator Operation	7
Compactor Operation	527
<b>Total</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).

## Preparing for the Construction Workers Registration Ordinance Amendments

The following 17 new trade tests and 17 new intermediate trade tests will be provided by the CIC due to the amendments of *Construction Workers Registration Ordinance* in early 2015. New trade testing questions are being drafted and a number of them are recently approved by the Construction Industry Training Board.

## New Trade Tests

Carpenter (Formwork – Civil Construction) (Striking)	Carpenter (Formwork – Building Construction) (Striking)
Joiner (Assembling)	Plasterer (Floor)
Marble Worker (Polishing)	Painter and Decorator (Roller Painting)
Painter and Decorator (Surface Filling)	Painter and Decorator (Emulsion Painting)
Painter and Decorator (Brushing Lacquering)	Painter and Decorator (Synthetic Painting)
Painter and Decorator (Clear Lacquering)	Painter and Decorator (Texture-spray)
Painter and Decorator (Metal Paint Spray)	Painter and Decorator (Paperhanging)
Painter and Decorator (Sign Writing)	Overhead Linesman
Cable Jointer (Low Voltage)	

## New Intermediate Tests

Piling Operative (Percussive Pile)	Piling Operative (Bored Pile)
Waterproofing Worker (Burn-type Felt)	Plasterer (Floor)
Tiler (Mosaic)	Tiler (Tile)
Marine Construction Plant Operator (Derrick)	Marine Construction Plant Operator (Boom-grab Bucket)
Marine Construction Plant Operator (Boom-hook)	Marble Worker (Dry Fixing)
Marble Worker (Wet Fixing)	Plant and Equipment Operator (Percussive Pile)
Plant and Equipment Operator (Bored Pile)	Plant and Equipment Operator (Tunneling) – Jumbo Drilling
Plant and Equipment Operator (Tunneling) – Segment Erection	Plant and Equipment Operator (Tunneling) – Tunnel Boring Machine
Asphalter	

A series of promotion activities have been planned to encourage the registered general workers to take trade tests in an orderly manner in the coming two years and measures like enhancing the deployment of existing human resources and recruiting additional manpower will be put in place to cater for the possible surge in the number of applications for trade tests.



## Dreams Come True II

Jointly produced by the CIC, Development Bureau, and Radio Television Hong Kong (RTHK), the first series of TV drama *Dreams Come True* received critical acclaim among the public. The second series of the drama follows the young graduates on how they cope with the challenges encountered in their career. The drama was broadcasted from 16 December 2014 to 20 January 2015 on TVB and RTHK TV Channel 31 every Tuesdays at 7pm.

# CIC's Publications

## Alerts

- Safety Alert No. 001/15 Safety Use of Vertical Transportation at Construction Sites (January 2015)
- 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

- Guidance Notes on How to Manage the Maintenance Works carried out by Registered Lift / Escalator Contractor (August 2014)
- 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)
  - Index Summary for Guidelines on Safety of Lift Shaft Works: Volume 1 - Volume 3
- 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 - February 2014) (June 2014)

- 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's 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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