

Utility Safety Competitions 2014- 2015



Event Report

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Background

Objective

Hong Kong Institute of Utility Specialists (HKIUS), International Institute of Utility Specialists (IIUS), Community & Construction Professionals' Development Centre (CCPDC), and Underground Pipe Committee of CACP, hosted the 2-day Practical Competition in 11 – 12 April 2015, so to arouse the public awareness on utility safety and management.

Practical Competition consisted of four sections, including Oral Quiz, Written Quiz, Field Survey and BIM Project.

Competition details as follow:

Date	11-12/4/ 2015 (Sat & Sun)
Venue	2, On Chun Street, Ma On Shan, Shatin, N.T. Wu Kwai Sha Youth Village 新界沙田馬鞍山鞍駿街 2 號 烏溪沙青年新村

List of Participating Teams

There were total 15 teams registered in the competition, they were from university, government departments, and contractors.

Company/Organization Name	No. of Groups
APC Surveying & Building Limited	1
BUDA Surveying Limited	1
Smart Surveying Limited	1
Chu Hai College of Higher Education	1

The Hong Kong Polytechnic University	3
The Hong Kong and China Gas Company Limited (Towngas)	2
Drainage Services Department	1
Paul Y. Construction Company Limited	1
Water Supplies Department	1
UtilityINFO (1Call) Limited	1
Guangzhou Tianchi Survey Technology Co. Ltd 廣州市天馳測繪技術有限公司	1
Shenzhen Keyfound Electronic Technology Co. Ltd 深圳市凱方達電子技術有限公司	1
Total	15

The above teams have divided into three big groups, with 5 teams in each team, so to carry out different sections of the competition.

Organizing Committee Members

籌委名單:

Chairman of Organizing Committee

Ir WAI Chi-sing, JP 韋志成 工程師、太平紳士
Permanent Secretary for Development (Works)
Development Bureau

The Honorary Secretary

Ir Dr. King WONG 黃敬 博士、工程師
President (2013/15)
Hong Kong Institute of Utility Specialists

The Secretary-General

Ir LI Wing-kwai, Spencer 李榮貴 工程師
Council Member (2013/15)
Community & Construction Professionals' Development Center

Co-Chairman of BIM Competition

Ir NG Chun-keung 伍振強 工程師
Discipline Representative Chairman of
Building Information Modeling (BIM) for infrastructure
Hong Kong Institute of Utility Specialists

Co-Chairman of Drawing Competition

Ir Dr. HO Simon, Vincent 何世傑 博士、工程師
Chairman of Safety Committee (2013/15)
Hong Kong Institute of Utility Specialists

Co-Chairman of Slogan Competition

Ir Prof. LOCK Fat-shing, Louis 樂法成 教授、工程師
Vice President (2013/15)
Community & Construction Professionals' Development Center

Co-Chairman of Practical Competition

Ir Dr. LAI Wai-lok, Wallace 賴緯樂 博士、工程師
Assistant Professor
The Hong Kong Polytechnic University

(In alphabetical order of surname)

Mr. Ken CHAN 陳文健 先生
HKIUS Company Member Representative
U-Tech Engineering Company Limited

Ir CHUNG Yiu-wing 鍾耀榮 工程師
Chief Engineer / Mainland South,
Drainage Services Department

Mr. KWOK Kai-yip, Zico 郭啟業 先生
Immediate Past President
Hong Kong Institute of Utility Specialists

Ir LAI Kam-to 黎錦圖 工程師
Senior Network Operation Manager,
The Hong Kong and China Gas Company Limited

Ir Dr. LAM Chi-hung, 林志雄 博士、工程師
Council Member (2013/15)
Community & Construction Professionals' Development Center

Ir LAM Fan-sing, Albert 林奮成 工程師
Hon. Secretary (2013/14)
Control, Automation & Instrumentation Division
The Hong Kong Institution of Engineers

Ir LAM Kin-chung 林建忠 工程師
Assistant Director,
Civil Engineering and Development Department

Ir LUA Kan-kwok 柳勤國 工程師
Senior Engineer / Design(1)
Water Supplies Department

Ir PAK Kan-ming, Eddie 白諫鳴 工程師
Chief Engineer / Gas Standards B,
Electrical and Mechanical Services Department

Mr. TSUI Hoi-yuen, Paul 徐開源 先生
HKIUS Company Member Representative
Esri China (Hong Kong) Limited

Judges

- Ir. Leung Kwong-ho, Edmund, SBS, OBE, JP 梁廣灝工程師
- Ir K. W. HO, BBS, JP, ex-Director of EMSD 何光偉工程師
- Prof. LAU Sau-shing, Patrick, SBS, JP 劉秀成教授
- Ir Dr. King WONG , President of HKIUS 黃敬博士
- Ir NG Chun-keung, Co-Chairman 伍振強工程師
- Ir Dr. LAI Wai-lok, Wallace 賴緯樂博士
- Ir Dr. TSE Wai-tat, Peter 謝偉達博士

Competition Rundown

Opening Speech

Ir Dr. King WONG delivered a welcoming speech before the start of the competition.



Ir Dr. King WONG welcomed all participants.



The participants were taking attendance.



The judges were exchanging opinions.



The teams were studying the competition materials.



Ir Dr. King WONG briefly introduced the competition rules and rundown, and expressed his sincerest thanks to the host organizations, sponsors, supporting organizations, judges, organizing committee members, and other supporting parties.



Everybody looked excited about the competition.

At the end, Dr. Wong wished everyone could enjoy the competition. The competition started after taking the group photo.



Group Photo

Written Quiz

At the beginning, Group A and C took their Written Quiz together in No.13 Classroom. Group C was the last group to take the quiz. They were instructed to send out at least three team members to answer all questions within 2 hours. The rules of Written Quiz are enclosed.



The competition helper was explaining the rules carefully to everyone.



Written Quiz started.





Every team was studying the questions seriously.



The competition helpers were monitoring the whole quiz.

Oral Quiz

The duration of Oral Quiz was around 1 hour. Group A were the first group to take the Oral Quiz, and then followed by Group B and Group C separately.



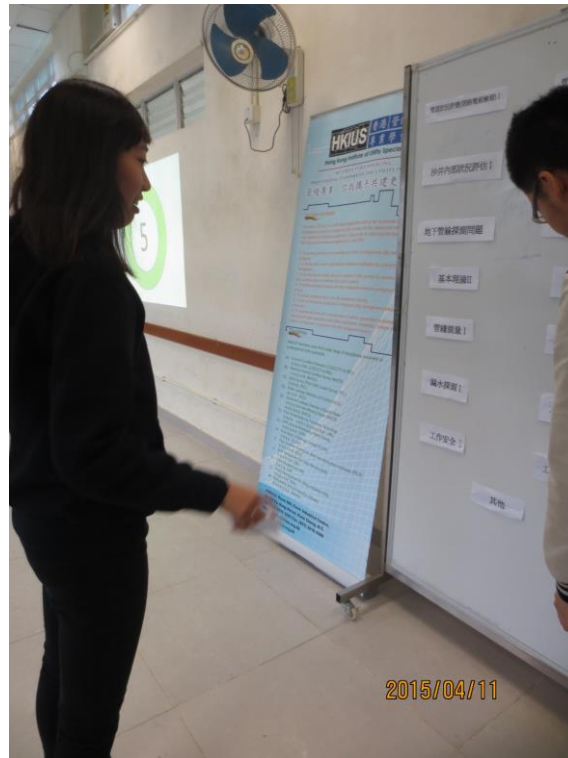


The participants were waiting for the start of Oral Quiz.

(選答) Each team took turns to select two topics related to utility and answered every question in five seconds. Totally, there were 4 questions for each team in this part.



The participants were drawing numbers to decide on their orders of selecting topics.



The participants considered seriously about what topic they should pick up.





The participants enjoyed the Oral Quiz a lot.



The team was discussing the answers.





(搶答) Afterwards, they had to enroll into Quick Fire Section. There were 30 questions in total. Any team was required to press the button to compete for answering. The fastest team was allowed to answer. A quite obvious performance deviation was revealed among different teams.

The rules of Oral Quiz are enclosed.

Most of the questions brought them into deep and long consideration, yet every one enjoyed the quiz a lot and they laughed a lot.

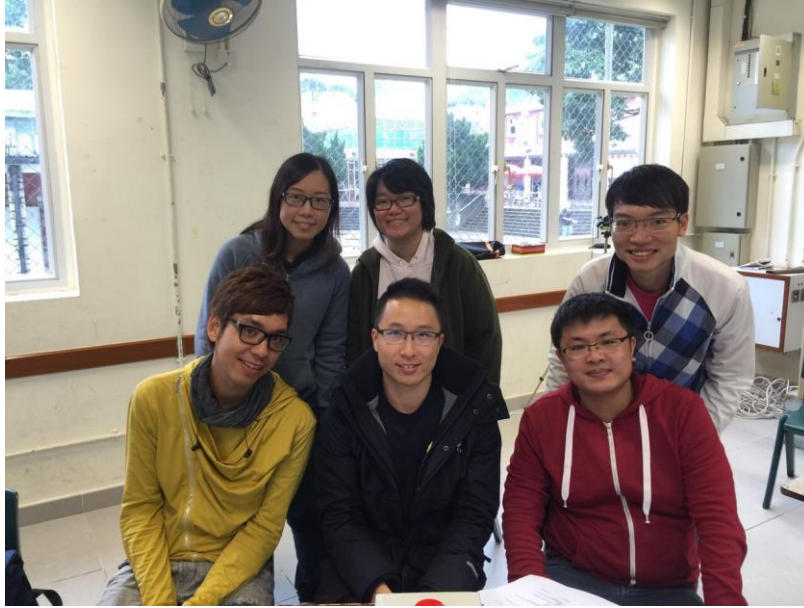




Every team member paid strong attention while MC was reading out the question.



The atmosphere was hot.



Team Photo

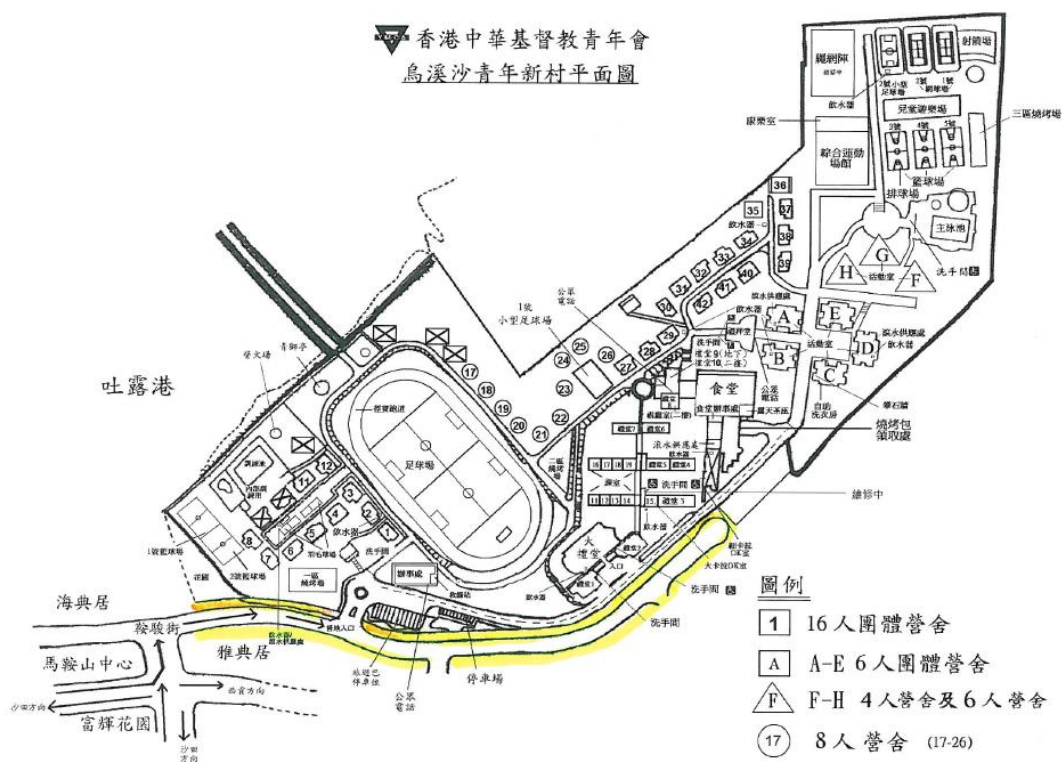


Group Photos

Field Survey

3 team members had to be sent out in maximum for this section. Because of rainy day, only two locators were distributed to each team. Right before the start of the section, few mapping forms and reporting forms were allocated to them for recording. The forms are enclosed. On the other hands, judges and mentors were assigned to each team to evaluate performance and assist their field survey.

The field had been sorted into 5 areas and allocated to the teams who had to complete the survey within 2.5 hours. The following map showed the circled survey area which was highlighted in yellow.





The participants jointly opened the cover.



The participants were discussing how to transport their equipments and surveying materials.









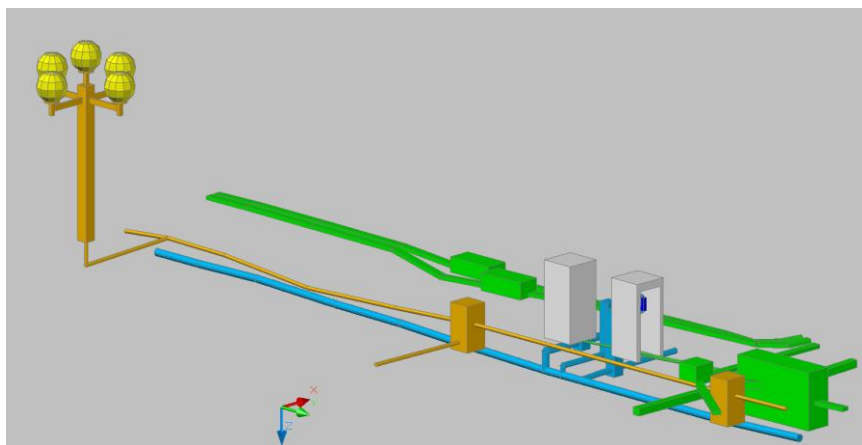




BIM Project

The participants were requested to submit the BIM project within 3 hours after conducting the field survey.

They had to bring their own notebooks to do the drawing. The following showed one of the projects:



Judgment

After finishing the Oral Quiz, Written Quiz and Field Survey, the judges had taken a long time for reviewing the team performance and calculating the final marks.





Competition Scores

Oral Quiz

Ranking	Team No.	Organization / Company	Leader	Score	Score(%)
1	2	UtilityINFO (1 Call) Limited	吳志聰	340	20
2	10	The Hong Kong and China Gas Company Limited (Towngas)	Law chi-kwong	130	18
3	8	The Hong Kong Polytechnic University	文麗妍	120	17
4	11	Water Supplies Department	郭靄欣	120	16
5	13	Drainage Services Department	Benjamin Chan	120	15
6	6	The Hong Kong Polytechnic University	陳皓冬	100	14

7	1	Paul Y. Construction Company Limited	王浩康	90	13
8	14	Guangzhou Tianchi Survey Technology Co. Ltd	鄭啟炳	80	12
9	3	BUDA Surveying Limited	馬展希	50	11
10	5	APC Surveying Limited	鍾俊傑	50	10
11	9	The Hong Kong Polytechnic University	NG Hoi-lam	10	9
12	7	The Hong Kong and China Gas Company Limited (Towngas)	Oscar Au	-20	8
13	15	深圳市凱方達電子技術有限公司	罗碧君	-30	7
14	4	Smart Surveying Limited	鄭耀文	-40	6

Written Quiz

Ranking	Team No.	Organization / Company	Team leader	Scores	Score (%)
1	13	Drainage Services Department	Benjamin Chan	121	20
2	6	The Hong Kong Polytechnic University	陳皓冬	98	18
3	10	The Hong Kong and China Gas Company Limited (Towngas)	Law chi-kwong	92	17
4	14	Guangzhou Tianchi Survey Technology Co. Ltd	鄭啟炳	79	16
5	8	The Hong Kong Polytechnic University	文麗妍	77	15
6	11	Water Supplies Department	郭靄欣	74	14
7	9	The Hong Kong Polytechnic University	NG Hoi-lam	67	13
8	7	The Hong Kong and China Gas Company Limited (Towngas)	Oscar Au	55	12
9	2	UtilityINFO (1 Call) Limited	吳志聰	41	11
10	4	Smart Surveying Limited	鄭耀文	37	10
11	1	Paul Y. Construction Company Limited	王浩康	19	9
12	3	BUDA Surveying Limited	馬展希	8	8
13	15	深圳市凱方達電子技術有限公司	罗碧君	-8	7
14	5	APC Surveying Limited	鍾俊傑	-15	6

Competition Evaluation

Executive Summary

Overall, the competition earned a lot appreciation from the participating teams, they found every section so fun to play with.

For the Oral Quiz, most of them were excited about the Quick Fire Section (搶答), which made they laughed a lot. For the field survey, they attempted their best to carry out all tasks even under heavy rains. Their efforts and engagement were highly appreciated.

Oral Quiz

This section was the funniest among the competition, according to most of the participants.

The preparation for this section was not sufficient enough. Even we have already rehearsed for twice, we could still found mistakes in the Oral Quiz powerpoint one day in advance.

Written Quiz

The questions were found confusing by the participants. It should be the problem of translating from English to Chinese. Therefore, it is suggested to review the question catalog by a technical staff but also by a staff with better language skill.

Field Survey

The right for implementing field survey inside the camp site was banned. Therefore, an alternative survey area had to be searched for. This was the unacceptable mistake, as we should have asked for the right as soon as we have decided the inside survey area, and we should have also decided an alternative area at the time of site visiting.