

# PRC 建设

PACIFIC RIM CONSTRUCTION

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Quality Building Award honours the very best buildings  
Mixed-use projects offer solutions for every client brief  
CL3 brings high energy to Shenzhen Hard Rock interiors  
Lead 8 imagines future of architectural design in China

## ARQUITECTONICA

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## Expert views on PRC architectural trends elicited at 4TH BI-ANNUAL ARCHITECTURE FORUM

The 4th Bi-annual Architecture Forum, held during the Build4Asia expo in the Hong Kong Convention and Exhibition Centre, saw a lively exchange of professional insights under the theme of "Architecture Right Now in the PRC." The speakers included Alexander Wong, Founder & Director of Alexander Wong Architects; Clive Chow, Director of PH Alpha Design; David Buffonge, Co-founder & Executive Director of Lead 8 and Hugh Brennand, Executive Director & Founding Partner of Inhabit Group.

Attended by a sizeable audience, the presentation was moderated by Mike Staley, Publisher of PRC Magazine which organised the forum and the networking event that followed.

### ROLE OF CULTURE IN ARCHITECTURAL DESIGN

Wong opened the forum by emphasising the role of culture in architectural design and innovation. This was further illustrated with a number of award-winning projects undertaken by his company in

Chinese cities, under the themes of "The Culture of the Future", "The Culture of Children's Imagination", "The Culture of Nature Wild", "The Culture of Hygiene", "The Culture of Japanese Lifestyle Supermarket" and others. Futuristic cinemas, luxury homes, thematic shopping malls and bathrooms of tomorrow were among the projects mentioned.

Wong's slide presentation showed how his signature works provide a sensual and seductive spatial experience, informed by diverse cultural inspirations. For example, the eye-catching

interior design of Cinema City Langham Place in Mongkok, Hong Kong, seeks to recreate "the world of desires" in internationally acclaimed film director Wong Kar Wai's movies. At the Creative Culture City project in Hengqin, the highlights include a "Wulu Lobby" inspired by the famous Wulu design from traditional Chinese arts and crafts and the unique "iBall Entrance" based on Joseph Kosinski's sci-fi film "Oblivion." "Design and Innovation should always be connected to and based on culture," he concluded his address, quoting from the late British novelist E. M. Forster.

### MARKET STRATEGY

A similarly engaging presentation came from Chow, complete with examples of his company's projects executed in China, for clients who all demanded their buildings to look "iconic." To meet their expectations, he adopted a strategy, marked by "a visually attractive design," "a new story" and a "market-driven approach." He says: "Consumers go to the malls not just to shop, but to hang out and something is needed to attract them there." Creating novel design features to attract visitors, he had the bow of a large wooden boat built into the interior of Longfor Changzhou Paradise Walk mall in Jiangsu province of China and a giant slide incorporated into Chongqing Dadukou Mixed-Use Development in Chongqing city.

He also noted that China has undergone phenomenal developments in building design over the past decades. This has translated into more enlightened design solutions being commissioned by Chinese clients. Exemplifying this trend is the new library of Chongqing Real Estate College in Chongqing city. Instead of "a traditional shoebox design" characterising libraries from the past, the project owner embraced a visionary blueprint inspired by the lantern flower, executed with natural flowing lines for the roof and façade and incorporating a "Light of Knowledge" concept.

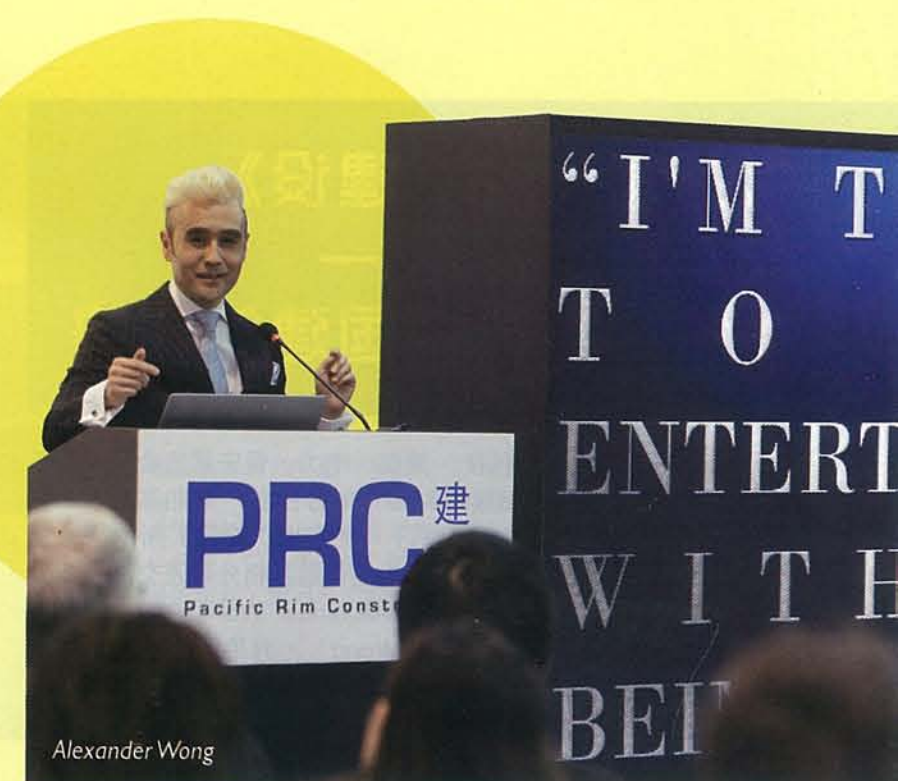
### MIXED-USE DEVELOPMENTS IN A SHARING ECONOMY

Another speaker David Buffonge believed that good architecture is about "people, place, space and time." He considered mixed-use properties highly sustainable for they facilitate people "to live, work and play in a compact way, within a high-density environment close to public transport." Overseeing a multitude of PRC projects from The China Horoy Guanze Mixed-Use Development in the Qianhai district of Shenzhen to the International Trade City in Shanghai, he says, "Getting all these ingredients work together in one piece is quite a challenge." Besides connectivity, new building designs must also adapt to the needs of millennials in a sharing economy, where the boundaries of work, retail, living and leisure are increasingly blurred. He cited the example of Starbucks, which has seen its outlets used by many as a mobile workplace.

Buffonge also predicted a "vertical future" in China, where taller buildings will emerge to house millions of migrants moving to the cities. Adaptability and change will be the buzzwords, as many buildings are expected to be transformed to other uses. A prime example is the Pacific Century Place in Beijing, a LEED-certified mixed-use development converted from a department store. He also foresaw the rise of mixed-use projects located within and around airports.



Clive Chow



Alexander Wong

### PREVALENT USE OF TECHNOLOGICALLY ADVANCED TOOLS AND MATERIALS

The forum's final speaker was Hugh Brennand, who runs a company focused on providing specialist engineering services support for façade design. While he saw plenty of potential for architectural design and construction in Harbin, Shenyang, Shenzhen, Beijing, Guangzhou, Hong Kong and other key cities, he also came across very challenging projects in the country. Harbin Opera House, for instance, took seven years to design and build. Explaining how its complex surface was built, he said that "we were allowed to change the geometry of the building without strictly following the structure." The building's curvilinear façade is composed of smooth white aluminium panels, with a stainless cladding laid upon it. Another major project his company recently completed is the Tencent Seafront Towers in Shenzhen.



Brennand also disclosed that the latest BIM software and other 3D modelling tools are commonly used to detail, fabricate and install complex building systems in China. Many projects there also take advantage of technically advanced materials for durability, efficiency and other benefits in construction. These include ETFE (Ethylene tetrafluoro ethylene) film, a highly transparent, strong and durable lightweight material for the skylights and other building components.

A panel discussion ensued immediately after the forum, moderated by Staley with the panel of speakers on hand to address the issues and questions raised. This was followed by a well-attended off-site networking event in Causeway Bay organised by AUB and co-sponsored by PRC Magazine.



## 第四届《PRC 建设》 双年建筑论坛 — 本地专家看中国建筑趋势

于「Build4Asia 亚洲创新科技 - 建筑、电力、保安展览会」举行期间，由《PRC 建设》的出版人 Mike Staley 主持、第四届两年一度建筑论坛假香港会议展览中心举行，在《PRC 建设》所举行的建筑论坛中，专业人士就现今建筑业的议题互相分享及交流，不少业内人士均踊跃出席。嘉宾包括：Alexander Wong Architects 的创始人及董事王士维（Alexander Wong）、湃昂国际建筑设计顾问有限公司（PH Alpha Design）总监周嘉瑜、Lead 8 联合创始人兼执行董事 David Buffonge 及英海特（Inhabit Group）执行董事兼创始合伙人 Hugh Brennand。

### 寓建筑设计于文化

王士维在论坛之初，强调文化在建筑设计和创新的角色，其名下公司在国内不同比赛中屡获殊荣，涉猎「未来文化」、「儿童想像文化」、「自然野外文化」、「卫生文化」及「日本生活超市文化」等多个范畴，便是他身体力行最好的证明。科幻戏院、豪华家居、主题购物商场及明日浴室均是他曾接手的项目之一。

他以放映片展示他的代表作如何借助多元文化，提供感性高及诱人的空间体验。如位于香港旺角朗豪坊的影院，其引人注目的室内设计，实际上是受国际知名电影导演王家卫的「旺角卡门」所启发，去重现电影中的「欲望世界」；在横琴星艺文创天地中心项目中，设计「葫芦大堂」（Wulu Lobby）的灵感启发于中国传统艺术和工艺的著名品牌 Wulu，而「大开眼界」（iBall Entrance）则受美国著名电影导演约瑟夫·柯斯基（Joseph Kosinski）的《遗落战境》（《Oblivion》）所影响。王总结时引用英国已故小说家爱德华·摩根·福斯特（E.M. Forster）的一席话：「设计及创新应与文化形影不离，并以它为本。」

### 市场策略

周嘉瑜也以公司过往在中国的项目，作为讨论的起点。为了满足客户希望建筑物具代表性的要求，他采用一种「吸引眼球的设计」、「故事性」及「以市场为导向」的方法，他说：「消费者不仅去商场购物，商场还需要有吸引他们之处。」创造新颖的设计更能吸引访客，如他在江苏省中国龙湖常州龙城天街购物中心内设置了一艘大型木船的船头，又在重庆大渡口综合体项目中放置了巨大的滑梯道。

他还指出，中国在过去数十年，建筑设计发展一日千里，中国客户期望拥有更为开明创新的设计方案，重庆房地产职业学院图书馆是一个典范。客户不再采用过去的「传统鞋盒」设计，而是采用外型独特的花卉灯笼花为设计蓝本，将花卉的线条自然流畅地展现于屋顶、外墙和内部，寓意「知识之光」。



Hugh Brennand

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David Buffonge

### 混合用途发展与共享经济

David Buffonge 则相信，良好的建筑在于「人、地、空间及时间」，他认为混合用途的建筑具有高度可持续性，让大众可在高密度环境中，互通互联地生活、工作及娱乐。在众多内地监督项目中，不论是深圳前海区的中国大泽关泽综合发展项目，还是上海国际商贸城，他均表示：「在一栋建筑中整合不同设施是具挑战性。」除了需要贯通不同设施，崭新建筑设计还要适应千禧一代在共享经济中的需要，即工作、零售、生活及休闲的界线日渐模糊，如星巴克已从咖啡店，变成流动的工作场所。

他预测中国将会迎来「直立未来」，即更高的建筑物会出现，以容纳数百万移居到城市的人民。适应和改变将成为流行用语，因为许多建筑物也会用作其他用途，一个典型的例子是位于北京的太平洋世纪广场，这是一个获 LEED 认证的混合用途发展项目，由百货商店改建而成。他还估计，位于及邻近机场的混合用途发展项目将会愈来愈多。



### 广泛使用技术先进的工具及材料

最后一位发言人是 Hugh Brennand，所属公司是一所为建筑物外墙提供设计及工程服务，他不仅观察到哈尔滨、沈阳、深圳、北京、广州、香港及其他主要城市的建筑设计和建筑拥有巨大潜力，同时也曾接手一些非常具挑战性的项目，如公司共花七年时间设计及兴建哈尔滨歌剧院。他解释复杂建筑外型时说：「我们可不严格地按照建筑结构，去改变建筑物的几何形状。」建筑物外墙的曲面由光滑的白色铝板组成，上面铺有不锈钢，而其公司近日也完成一个重大项目——深圳腾讯海滨大厦。

他透露最新的 BIM 软件和其他 3D 建模工具常用于中国建筑，用作细节化、制造和安装复杂的建筑系统。现时不少项目也会利用技术先进的材料，去提高建筑的耐用性、效率和为建筑过程带来其他好处，以乙烯四氟乙烯膜为例，它是一种高透明、坚固耐用的轻质材料，适用于天窗和其他建筑组件。

论坛结束后，由 Mike Staley 主持的讨论随即展开，讨论相关的议题及问题，不少观众再出席由 AUB、PRC 建设及其他公司共同举办位于铜锣湾的交流会，为当天活动划上完美句号。

## CONSTRUCTION NETWORKING NIGHT



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