

Future shapes of
China and
Southeast Asia

中国与东南亚建筑的未来走向

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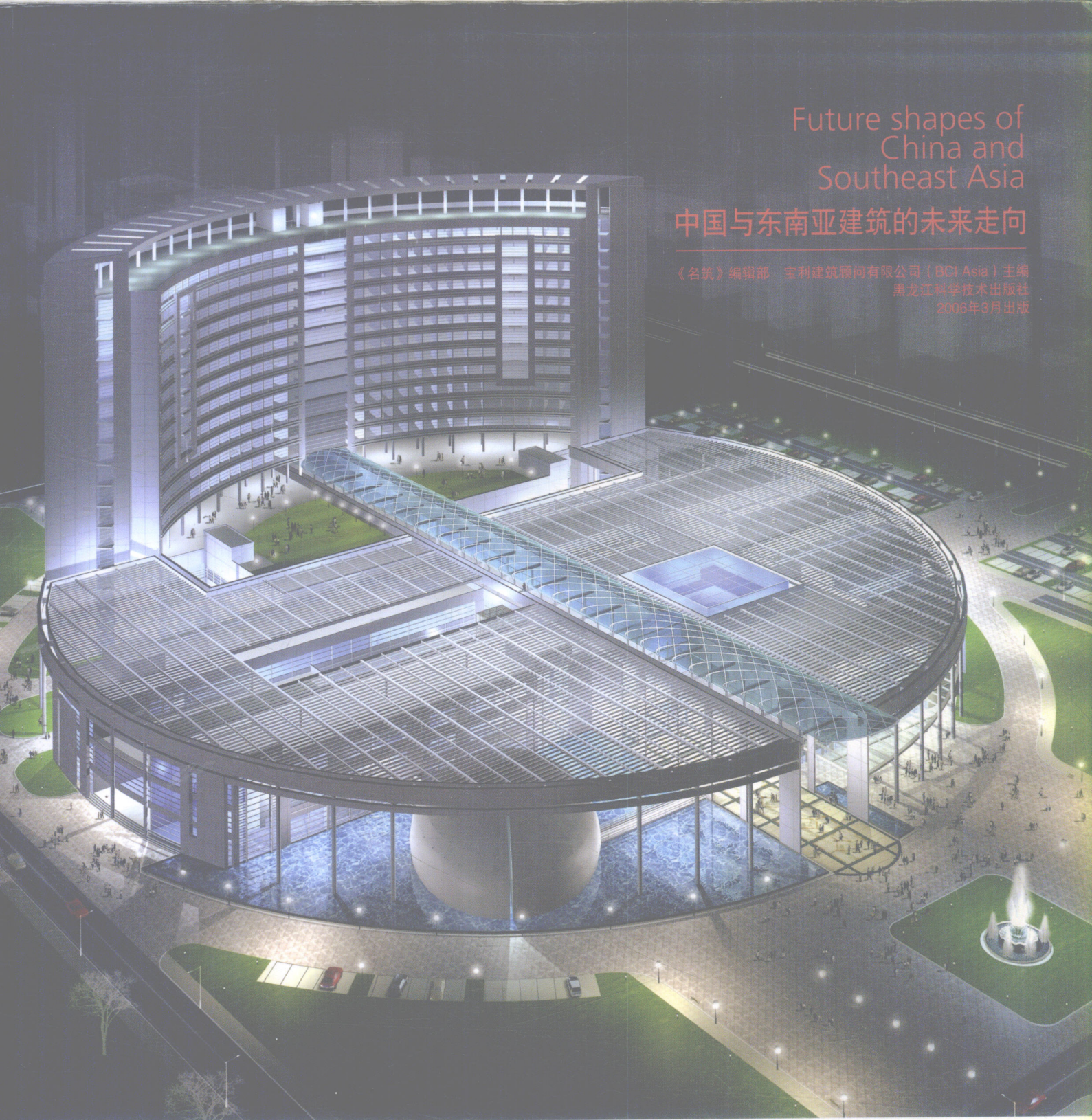
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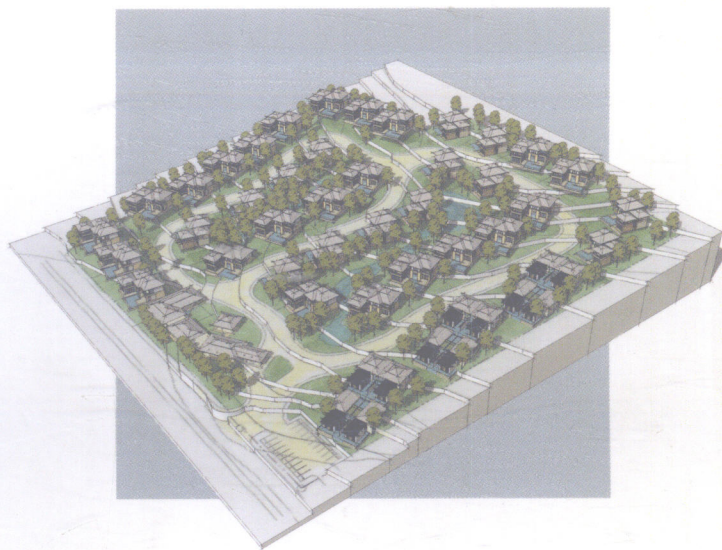


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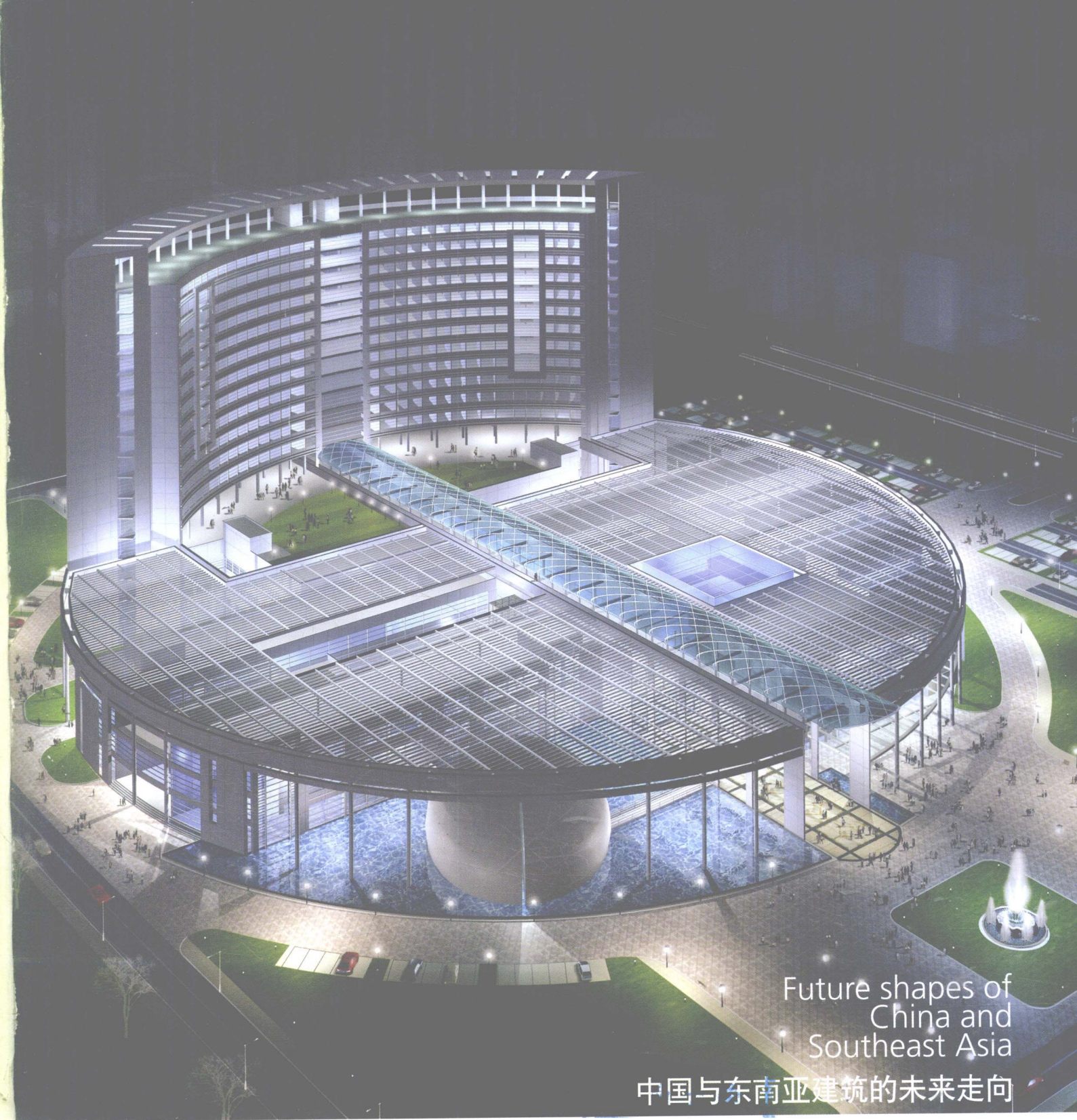
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2007年亚洲新建筑



This yearbook was created to preview landmark buildings of Southeast Asia and China at least one year before their completion. Published in English and Chinese, *Architecture@07* is intended to encourage a regional discourse on architectural issues such as identity, sustainability, style, innovation and technology.

Each project is reviewed over four pages with a description, site plans, floor plans, elevations, renderings and summary information. The 57 projects selected here for publication help define

Introduction to architecture@07

the changing face of regional architecture. They were sourced from a pool of 50,000 future projects, reported by BCI Asia research staff for the e-bulletin and LeadManager information services. In reporting these projects, BCI Asia researchers interviewed more than a quarter of a million architects, developers, engineers and contractors.

Generally, the buildings of 2007 are more energy efficient than in the past as architects respond to rising energy prices and calls for responsible design in suppressing greenhouse emissions. Architects are relying more on natural lighting and ventilation in large buildings, integrating indoor with outdoor spaces and are more likely to examine costs over the entire life of an edifice. Facades are more radical, curved and experimental than in the past with steel and glass a prominent feature. Building functions are much more likely to be integrated and there is definite emphasis on connectivity with surrounding buildings and infrastructure.

Public architecture, like the Beijing Shooting Range for the 2008 Olympics, is more high-tech and humanist than in the mid 1990s. More attention is being paid to the creation of green spaces, responsible selection of building materials, energy-efficient lighting as well as passive solar design. Gardens are becoming more common in high-rise buildings like the Hong Kong Community College, which has a continuous spiral chain of communal sky gardens extending from the lower-ground floor up to the 17th floor.

Medical architecture is changing in response to client expectations and the threat of SARS and bird flu. The Infectious Disease Centre in Hong Kong demonstrates how contamination controls can be incorporated into public hospitals. A range of residential projects is represented here: from houses for extended families in Indonesia, bungalows in Malaysia, smart townhouses and skyscrapers in Singapore through to executive condominiums in Thailand and Vietnam. Retail projects sustained many architecture firms during the meanest days of Asia's financial crisis. Creative models, such as trade malls and retail integration with entertainment venues in Indonesia and the Philippines, have been adopted to capture the cash flowing through an economy even when financial institutions falter. Better office spaces are being realized as demonstrated by Zhengda Cube Plaza and other corporate architecture featured here, breaking from tradition with energy-efficient and chaotic designs. Architects are endeavouring to make hotel architecture contextual whether it is high-rise and urban or low-rise and escapist. Balinese living is popular, even outside of Indonesia.

Architecture is becoming more complicated even though it may appear contemporary minimalist. Interviews with senior executives in the technologies chapter reveal how manufacturers and service providers are responding to architects' requirements for materials and services in the creation of contemporary, chaotic yet high-performing structures. There are demands for more sophisticated design software and modeling systems, requirements for more security and access controls on mobility systems. Architects also want better performance paints, glass and lighting - particularly for facades - to improve and decorate signature buildings. Products and services are evolving rapidly to help architects improve the built environment, in a sustainable manner and in style.

《2007年亚洲新建筑》是一本展示未来东南亚和中国有影响力的地标性建筑的英汉双语年刊。它主要收录了一些在建或即将建设（至少在一年后才能完工）的项目，内容涉及建筑地域特性、可持续发展设计、建筑风格、创新性和技术等方面，目的是不断促进地区间建筑设计的交流与合作。

本书中的每个项目都用了4页的设计版面，内容包括项目介绍、总平面图、楼层平面图、立面图、透视图以及相关的概要信息。本书所收录57个项目是从BCI Asia

《2007年亚洲新建筑》简介

信息员搜集的5万条项目信息中精选出来的；它们生动地勾绘出区域建筑的变化及未来发展趋势。BCI Asia的信息员在报道这些项目信息时采访了25万余名建筑师、发展商、工程师和承建商。

一般说来，2007年的建筑将更加注重节能环保设计，因为越来越多的建筑师开始关注日益严峻的能源消耗和温室效应。建筑师也更倾向于在大型建筑中使用自然采光和自然通风的设计手法，有效地融合了室内外空间，降低了整个建筑的运作及维护成本。建筑立面融合了钢材和玻璃，比过往的设计更有曲线感，更敢于尝试。建筑不仅注重功能的综合完善，还强调与周边建筑及基础设施之间的协调统一。

与上世纪九十年代中期相比，公共建筑更加注重高科技的运用和人文化的设计。北京2008年奥运射击馆就是一个很好的例子。建筑师在设计中努力预留出更多的绿地，并精心挑选建材、运用节能照明和太阳能等科技手段。花园在高层建筑中也越来越普遍，例如香港专上学院从底层一直到17层的连续螺旋形的公共空中花园就是其中的一个典范。

医疗建筑的设计也随着客户的要求以及非典和禽流感等疾病的威胁而不断地完善，例如香港传染病中心就是公共医院如何控制污染传播的一个经典设计。本书还登了一系列的住宅建筑，从印度尼西亚的大家庭住宅、马来西亚的别墅住宅、新加坡精巧的市镇联立式住宅和摩天大厦，到泰国和越南的高档共管式独立产权公寓都有详细介绍。在亚洲金融危机时期商业建筑的开发使许多建筑设计公司度过难关。创新的商业模式，如印度尼西亚和菲律宾的与娱乐休闲空间相结合的购物中心，使商业建筑的业主在金融不景气的时期也可以盈利。办公楼打破了传统的设计模式，更多地运用了节能和创新的手法，证大立方大厦就是很好的例子。无论是市区内的高层酒店还是度假休闲的低层建筑，建筑师都试图让建筑与周边的环境完美地融合在一起。巴厘岛的生活方式在印度尼西亚以外也是很受欢迎的，许多建筑师都在努力为业主营造这种生活方式。

虽然未来建筑呈现出现代简约的风格，但设计却变得更加复杂了。在技术篇中，我们介绍了一些建材企业和服务供应商如何满足建筑师在建造现代、新颖和高品质的建筑结构体系时的需求。建筑师需要更先进的设计软件和模型系统以及更安全和灵活的运载系统。同时，建筑师还希望通过更高品质的涂料、玻璃和照明产品（尤其是适用于建筑外立面的产品）来提升和装饰标志性的建筑。产品和服务的快速发展帮助建筑师不断地改善建筑环境；这种改善不但体现在建筑风格上，还体现在建筑的可持续发展性上。

Architecture@07 would not exist but for the collaboration of leading architects in China and Southeast Asia. Only a fraction of the architects interviewed by BCI Asia in 2005 have their projects featured in this yearbook but thousands shared their projects, frustrations and aspirations with BCI Asia research staff. Architects are at the front line in society determining how we live, interact and respond to future challenges. To them, I express sincerest gratitude.

Thank you to all the people who contributed to *Architecture@07*, patiently discussing projects, reviewing images and plans. Please accept my apologies if I missed you on this page.

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Thor Kerr
Managing Director
BCI Asia Group of Companies

前言

《2007年亚洲新建筑》在中国和东南亚建筑师通力合作下终于出版了。BCI Asia的信息员们在2005年采访了成千上万的建筑师，并在项目收集的过程中分享了他们在设计过程中的艰辛和成就。但遗憾的是由于篇幅有限，本年刊仅能刊登了一小部分建筑师的作品。作为活跃在社会前沿的一个群体，建筑师决定着我们的生活方式、影响着社会的发展并应对未来的挑战。在此我对他们表示由衷的敬意。

我真诚地感谢所有为出版《2007年亚洲新建筑》做出贡献的人们。您们耐心、仔细地和我们解释和讨论，精心挑选效果图和设计图，为《2007年亚洲新建筑》的顺利出版付出了辛勤的劳动。在以下的名单里面如有任何疏忽遗漏而没有提到您，敬请原谅。

在中国大陆篇中，感谢BCI Asia的王茜、李雪瑜（Crystal）和许德虹（Susan）；广东省建筑设计研究院的杨驰驰、陈雄、李琦真、霍丽丽（Lily Fow）；同济大学建筑设计研究院的任力之、张丽萍、王威；广州市设计院的巫伟、郑展鹏；加拿大CPC设计公司的陈文雄、张洁、陈媛；深圳市建筑设计研究总院的黄朝捷；中国建筑设计研究院的赵丽虹；清华大学建筑设计研究院的侯建群；凯达柏涛有限公司的Flavia Chu；北京市建筑设计研究院的于宏涛、钟永新、郭少山；广州瀚华建筑设计有限公司的卢培秋；深圳市建筑科学研究院的谢传贵、孙延超；浙江省建筑设计研究院的叶晓辉；上海江欢成建筑设计有限公司的孙骅；广州市海溢房地产发展有限公司的沈志贤。

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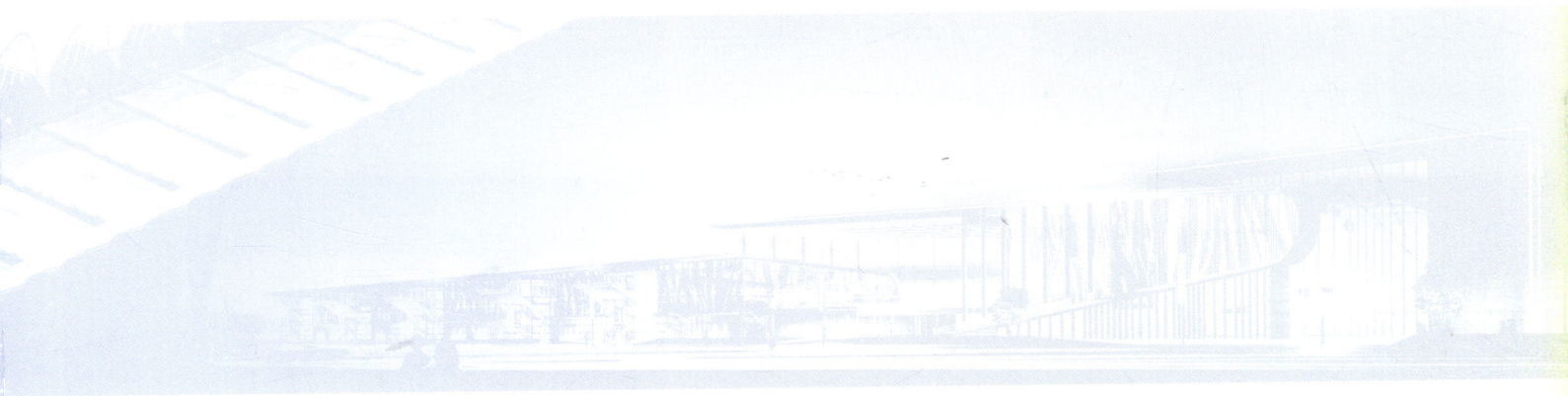
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BCI Asia 集团执行总监
Thor Kerr


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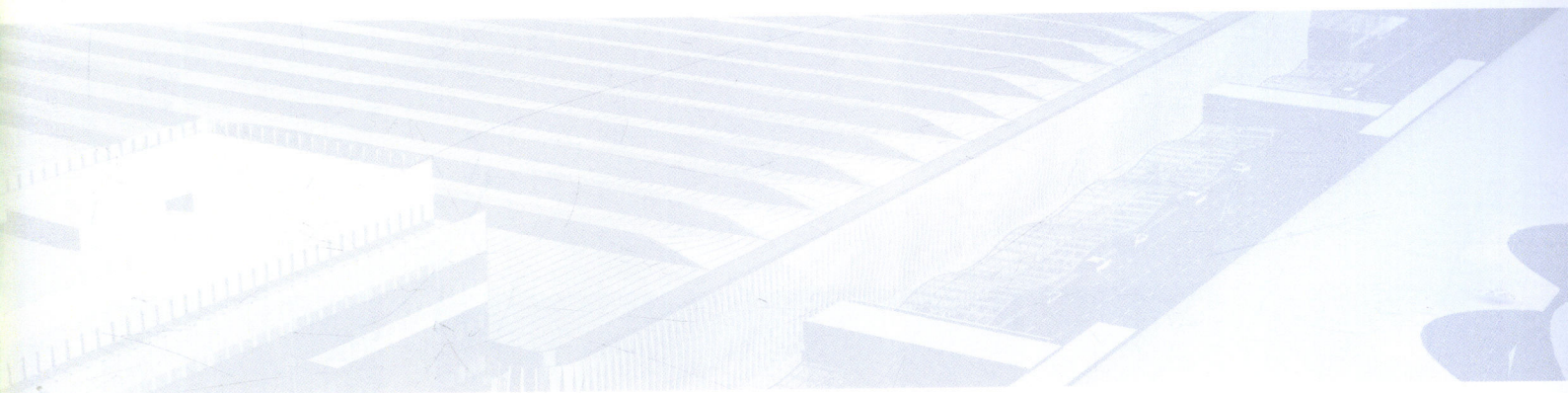


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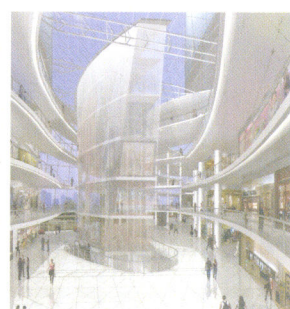
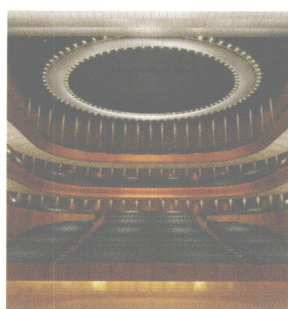


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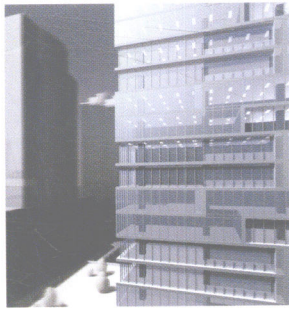
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China





Elevation / 立面图

As an official venue for the 2008 Olympics, Beijing Shooting Range is "green", high-tech and humanistic, endeavouring to meet the high standards of the Olympics Games.

environment of Cuiwei Mountain to the north. The building blends with the green system, which brings it to life with a lush and natural environment.

The project adopts a large-area, polymorphic greenery system that "hugs" the main building, echoing the green

The large interior space merges with exterior surroundings in the architectural design by employing a penetrating atrium,

2008年奥运会北京射击馆 BEIJING SHOOTING RANGE FOR THE 2008 OLYMPICS

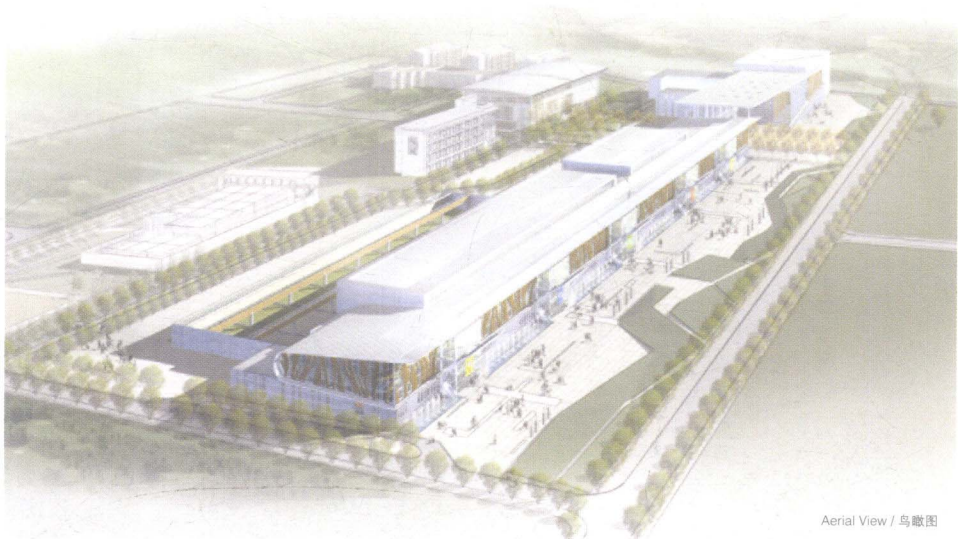
A3 Futian Temple > Shijingshan District > Beijing > China

中国 · 北京 · 石景山区 · 福田寺甲3号

light conduction shutters, interior landscaping and natural lighting. All of the above create a fresh and vibrant sports building.

The design makes full use of renewable resources, such as sunshine, rain and natural wind, which cleverly solve issues of water and electricity consumption.

The design represents a display of "high-tech" Olympics architecture. The structural and ecological technology with which the structure is built creates a competitive yet comfortable environment. Sophisticated controls provide a reliable and highly responsive security system while an advanced intelligent information system ensures convenient and speedy service.



Aerial View / 鸟瞰图



Elevation / 立面图

Design Institute
Architectural Design & Research Institute of
Fanghua University
Principal Architect
Zhuang Weimin
Contractor
The Third Construction Company of China
Construction Second Engineering Bureau
Gross Floor Area
51,167 m²
Height
18 m (Competition Hall),
22 m (Finals Hall),
15 m (Stairhouse)
Storeys
3
Construction Start
2004
Greenery Ratio
30.1%

建筑设计院
方华大学建筑设计研究院
工程设计负责人
庄伟民
承建商
中国第三建设工程有限公司
建筑面积
51,167 m²
高度
18 m (竞赛大厅),
22 m (决赛大厅),
15 m (楼梯间)
层数
3
开工时间
2004
绿化率
30.1%