



MEIXI LAKE 梅溪湖  
CHANGSHA 长沙  
CASE STUDY 案例研究

**ATKINS**

Member of the SNC-Lavalin Group

## 团队 THE TEAM

---

阿特金斯香港建筑及工程工作室与阿特金斯上海城市规划工作室合作，为梅溪湖新城设计了低碳环保的城市规划方案。

梅溪湖总体规划为方兴地产（中国）有限公司提供了务实的发展框架，并把新城创建为湖南长沙的国际服务及科技创新中心。

ATKINS Architecture and Engineering studios in Hong Kong are collaborating with ATKINS Urban Planning studio in Shanghai for the design of a New City model in low carbon urban planning

Meixi Lake Masterplan offers a pragmatic development framework that meets the real estate market demands of Franshion Properties (China) Limited, while positioning the City as an International Service and Technology Innovation Center located in Changsha, Hunan Province.



Meixi Lake Landscape  
梅溪湖景观

阿特金斯规划  
Atkins  
Planning

阿特金斯  
研发建筑  
Atkins  
R&D  
Architecture

阿特金斯  
标志建筑  
Atkins  
Signature  
Architecture

阿特金斯  
交通建筑  
Atkins  
Transport  
Architecture

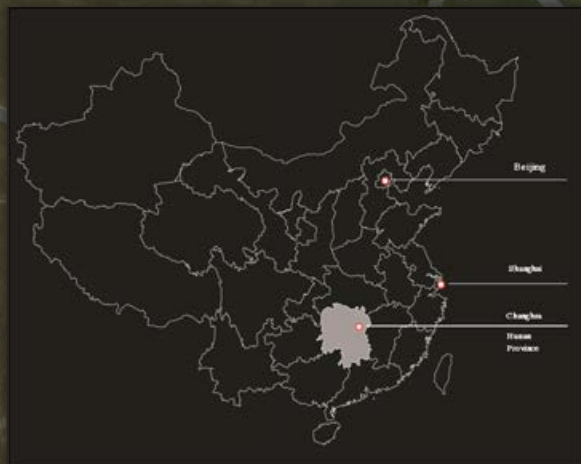
阿特金斯  
土木工程  
Atkins  
Civil  
Engineering

阿特金斯  
环境工程  
Atkins  
Environmental  
Engineering

建筑与工程  
合作  
Collaborating  
Architects &  
Engineers



远景  
THE VISION



Large Context Location Map  
大环境区位图



Regional Transportation Network Connectivity Diagram  
区内交通网络通达性分析图



梅溪湖从内而外体现了低碳环保城市总体规划的愿景，着重实施带动交通基础设施产生的协同效应，同时推广了交通枢纽发展区内高密度核心区的发展战略、供商务活动的全新CBD、以及七个多样化用地区域，所有这些区域都将在开发中被赋予崭新的生命力。

总体规划设计基于三个主要原则：

- 协同性：为区内所有人员提供一个可以“生活，工作，娱乐和学习”的环境。
- 连接性：创建流畅的行人、行车以及运输基础设施网络。
- 地方性：为文化、商业、休闲以及娱乐区创建相应环境。

这些原则创造出独特的平台，用来建设一个被全中国乃至全世界认同的可持续低碳新城。

坐落在一座秀美山峦脚下，新城区将拥有超过20万的人口，为基地7.6平方公里的面积最大化提升土地价值。基础设施网络、人造湖泊、岛屿和河流改道目前均正在建设中，预计于明年竣工。

The Vision of Meixi Lake, is that it embodies the spirit and objectives of an Ecological City Masterplan, maximizing synergistic opportunities through transport infrastructure that are implementation driven, while promoting a development strategy of high density core areas Transit Oriented Development (TOD), a new CBD for business exchange, as well as seven diverse land use character districts, all to be implemented over the evolutionary life of the development.

The Master plan design is based on 3 main principles:

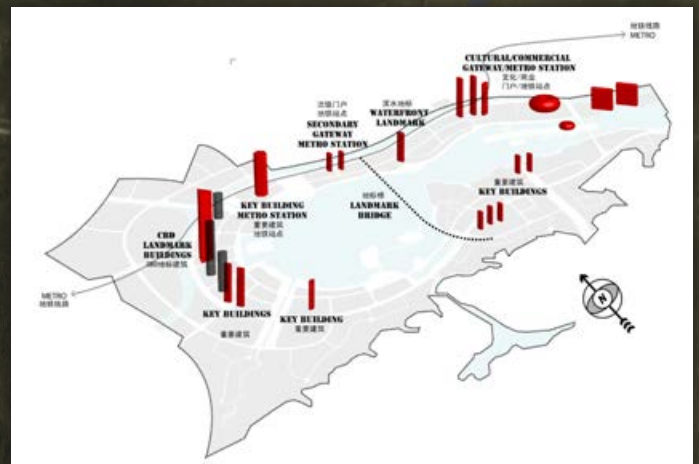
- Synergy: A place for all people, set within a 'live, work, play and learn environment.
- Connectivity: through seamless pedestrian, vehicular and transport infrastructure networks.
- Sense of Place: establishing a setting for cultural, business, leisure and entertainment districts.

These principles create a unique platform, for establishing a new Sustainable City that is being recognized throughout China, as well as globally.

Located in the foothills of a stunning mountain, the New City will have a population of over 200,000 and optimizes the land value of the 7.6km<sup>2</sup> site. Infrastructure networks, man-made lake, islands and river diversion are presently under construction, targeted for completion next year.



Proximity Diagram - Meixi Lake to Changsha Central  
梅溪湖与长沙邻近分析图



Landmark Structures on Meixi Lake Development  
梅溪湖发展地标分布

# 标志塔楼 ICONIC TOWER



Alex Peaker  
董事 DESIGN DIRECTOR  
香港工作室 Hong Kong Studio

标志塔楼的挑战是，创造与别不同的亮眼设计，在发展项目区内的塔楼之中鹤立鸡群，也不同于国内其他知名的塔楼设计。

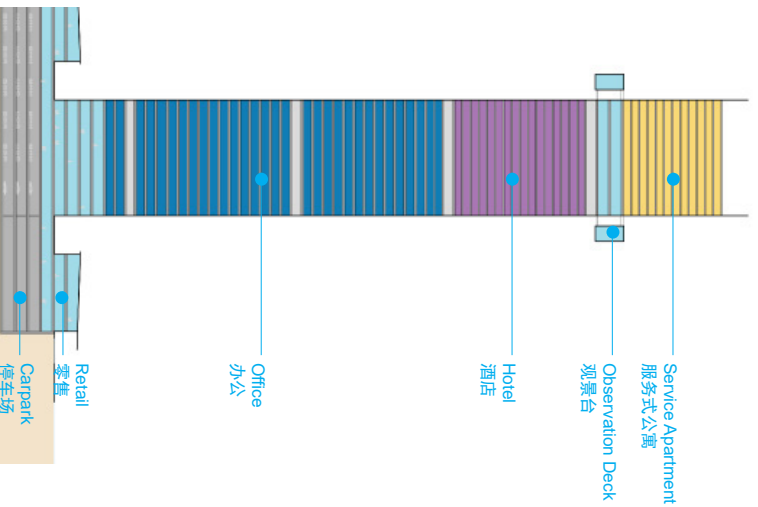
麦意安先生领导阿特金斯香港建筑设计工作室，将设计任务书的要求结合，设计出耀目和风格独特塔楼的耸立在湖上，零售群楼位于湖边景观下面。

接近塔顶是一个对应的“白领”，兼具商机和观景台的功能，塔楼的标志性特色与梅溪湖的环境息息相关。

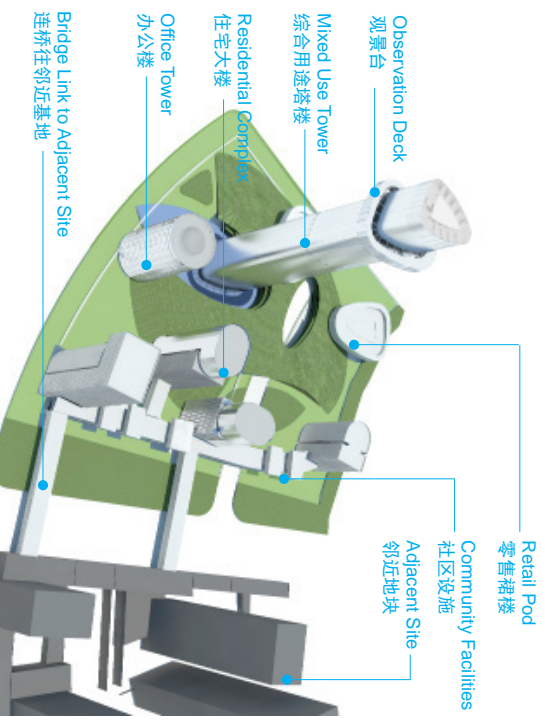
The challenge with the Iconic tower was to produce an eye catching design which differentiated itself from the generic towers within the proposed development, and also from other well-known towers recently designed in China.

We incorporated the required development brief into an eye-catching and individual design comprising a podium under a raised landscape, a formal lake from which the tower rises.

Near the top of the tower is a projecting 'collar' which provides the opportunity for commercial activities associated with an observation gallery. It is this which makes the tower specifically iconic in the context of Mei Xi lake.



Iconic Mixed Use Tower - Sectional Diagram  
标志综合用途塔楼 - 剖面图



Overall Massing Diagram  
总体量图



Iconic Tower Development  
标志塔楼发展



Iconic Tower in its Context  
标志塔楼和周边环境



# 交通导向发展的建筑

## Transport Oriented Development (TOD)



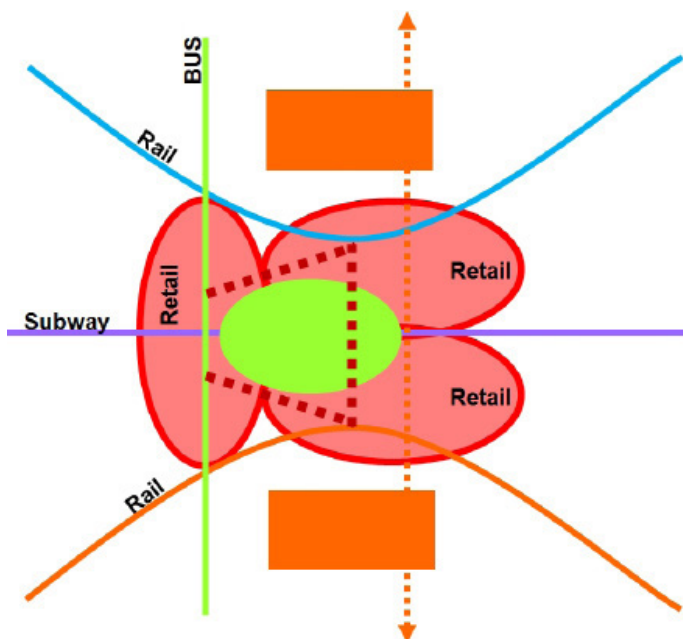
Jason Hutchings  
董事 DIRECTOR  
香港工作室 Hong Kong Studio

由于地铁的位置不能变动，由Jason Hutchings先生领导阿特金斯建筑设计工作室对商业开发平面和布局的设计，达到将车站入口结合到物业的地下层带来最大化的收益。最初仅仅应用到发展的西翼，因东翼是属于相邻的文化区的地块。然而，很明显地交通导向发展项目在结合东西两翼的设计后得以发挥潜力，而将东西两翼连接起来的正是设计别具特色的零售连桥。

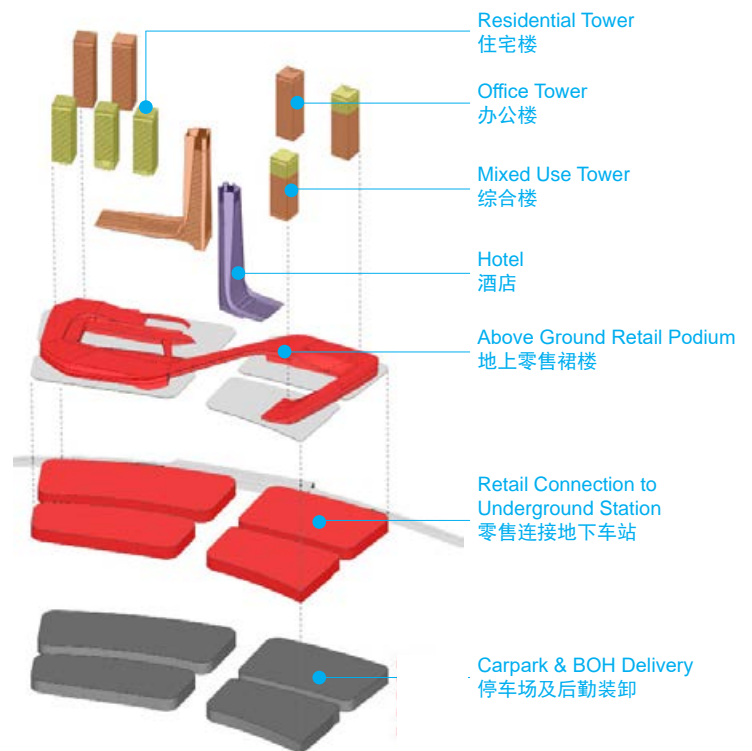
交通导向发展的建筑外形重点突出酒店和办公大楼，各建筑物相互之间成为南北轴的湖泊门户，同时框起东面主要物业轴的歌剧院。

Given the constraints of affixed metro station location, we developed the commercial development plans and arrangement to maximize the benefit of integrating the station entrances in to the basement level of the property. It became clear that the potential of the TOD project could be maximized by connecting both ends of site with a dramatic retail bridge, maximising footfall in all retail locations.

The form of the TOD building accentuates the key hotel and office towers. By offsetting these, they form a gateway to the lake on a North-South axis, and also frame the opera house to the East along the main property axis.



TOD Concept Diagram  
交通导向概念图



Functional Diagram  
功能分析



Hotel and Office Tower assemble  
酒店和办公楼组合



Transport Oriented Development Complex  
交通导向发展综合楼



## 研发园

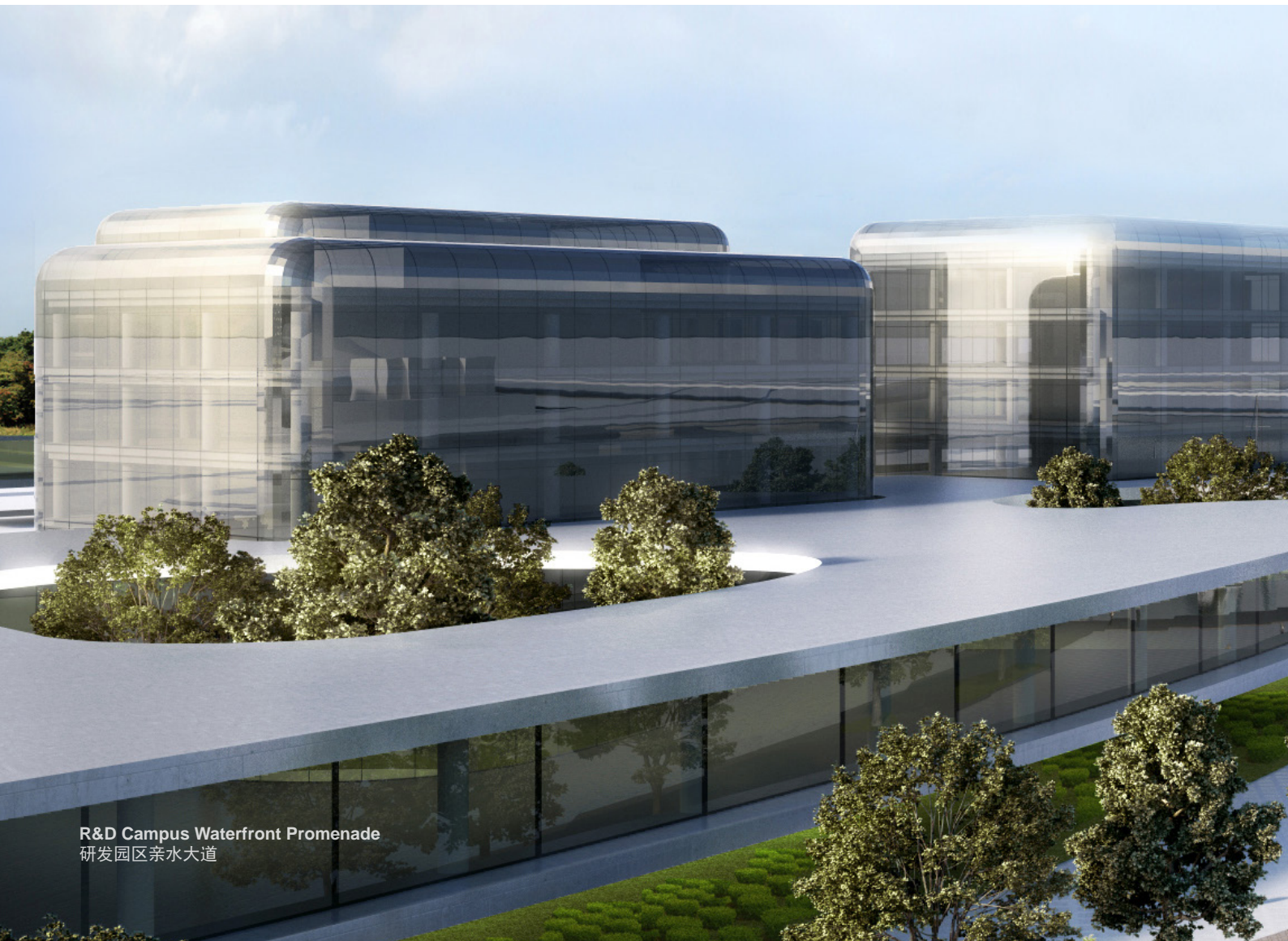
# RESEARCH AND DEVELOPMENT CAMPUS



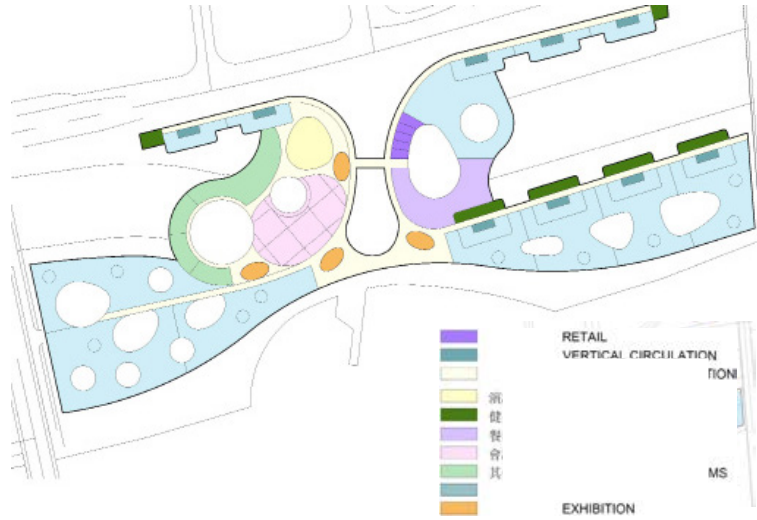
Robert Mackenzie  
副董事 ASSOCIATE DIRECTOR  
香港工作室 Hong Kong Studio

由Robert Mackenzie领导的研发园区设计团队为梅溪湖的南北研发园区进行设计。北研发园区是在总体规划团队的设计意向图片的基础上进行设计，包括独立的独栋建筑物可供分租。各幢建筑物由的流线形裙楼围绕，后者构成会议室、餐厅和流线核心等共享区域。横过河流的车行及人行天桥为整个发展提供交通连接，而且从湖的对面看起来有很强的标志性。

We designed the R&D campus to include segregated building units to be sub-let. These are surrounded by a signature free-flowing podium form containing common activities such as meeting spaces, cafeteria and circulation core. The whole development provides a vehicular and pedestrian bridge link across the river. It's striking shape of sinuous lines gives a clear identity when viewed from the lake-side.



R&D Campus Waterfront Promenade  
研发园区亲水大道





Meixi Lake Aerial View



# ATKINS

Member of the SNC-Lavalin Group

## Asia Pacific Presence

### Hong Kong

Suite 1901-1906 19F  
Tower 1 The Gateway, Harbour City  
Tsim Sha Tsui, Kowloon,  
Hong Kong  
Tel: (852) 2972 1188  
Fax: (852) 2956 3112  
General E-mail: [contactus@atkinglobal.com](mailto:contactus@atkinglobal.com)

### Beijing

10/F, Tower A  
Gemdale Plaza  
No. 91 Jianguo Road, Chaoyang District  
Beijing 100022  
China  
Tel: (86) 10 5965 1000  
Fax: (86) 10 5965 1001  
General E-mail: [info.cn@atkinglobal.com](mailto:info.cn@atkinglobal.com)

### Shanghai

Unit 2204-2210, Ciro's Plaza  
No. 388 West Nanjing Road  
Shanghai 200003  
China  
Tel: (86) 21 6080 2100  
Fax: (86) 21 6080 2101  
General E-mail: [info.cn@atkinglobal.com](mailto:info.cn@atkinglobal.com)

### Shenzhen

Unit 01-02 & 11-16  
35/F Shun Hing Square  
Jie Fang Road, Luo Hu District  
Shenzhen 518008  
China  
Tel: (86) 755 3332 0668  
Fax: (86) 755 3332 0669  
General E-mail: [info.cn@atkinglobal.com](mailto:info.cn@atkinglobal.com)

### Chengdu

Unit 05, 28/F, T2, Raffles Square  
No. 3, Section 4, South Renmin Road  
Wuhou District  
Chengdu 610041  
China  
Tel: (86) 28 8620 2130  
Fax: (86) 28 8620 2132  
General E-mail: [info.awc@atkinglobal.com](mailto:info.awc@atkinglobal.com)

### Singapore

8 Cross Street  
#24-01, Manulife Tower  
Singapore 048424  
Tel: (65) 6227 6433  
Fax: (65) 6227 9344  
General E-mail: [info.sg@atkinglobal.com](mailto:info.sg@atkinglobal.com)

### Sydney

Level 12, Suite 12.02  
50 Berry Street  
North Sydney  
NSW 2060  
Australia  
Tel: (61) 2 8002 0300  
Fax: (61) 2 8920 8322  
General E-mail: [info.au@atkinglobal.com](mailto:info.au@atkinglobal.com)

### Perth

Level 13, AMP Building  
140 St. Georges Terrace  
Perth  
WA 6000  
Australia  
Tel: (61) 8 9322 8080  
Fax: (61) 8 9322 8070  
General E-mail: [info.perth@atkinglobal.com](mailto:info.perth@atkinglobal.com)

### Ho Chi Minh City

11th Floor, Deutsches Haus,  
33 Le Duan Boulevard  
District 1, Ho Chi Minh City  
Vietnam  
Tel: (84-28) 3554 2500  
Fax: (84-28) 3554 2501  
General E-mail: [info.vn@atkinglobal.com](mailto:info.vn@atkinglobal.com)

### Kuala Lumpur

Suite 8.01, Level 8, Menara Binjai  
No 2 Jalan Binjai  
50450 Kuala Lumpur  
Malaysia  
Tel: (603) 2386 7858  
Fax: (603) 2386 7711  
General E-mail: [info.my@atkinglobal.com](mailto:info.my@atkinglobal.com)

### Bangalore

10th Floor, Safina Towers  
3 Ali Asker Road, Bangalore  
Karnataka - 560052  
India  
Tel: (91) 80 4019 9199  
Fax: (91) 80 4147 5822  
General E-mail:  
[india.office@atkinglobal.com](mailto:india.office@atkinglobal.com)

### Delhi

19 Floor - Tower C, DLF Cyber Greens  
DLF Cyber City, DLF Phase - III  
Gurgaon, Haryana - 122 002  
India  
Tel: (91) 124 384 7199  
Fax: (91) 124 401 4550  
General E-mail:  
[india.office@atkinglobal.com](mailto:india.office@atkinglobal.com)



[snclavalin.com](http://snclavalin.com)

[atkinglobal.com](http://atkinglobal.com)

[atkinsarchitecture.com](http://atkinsarchitecture.com)