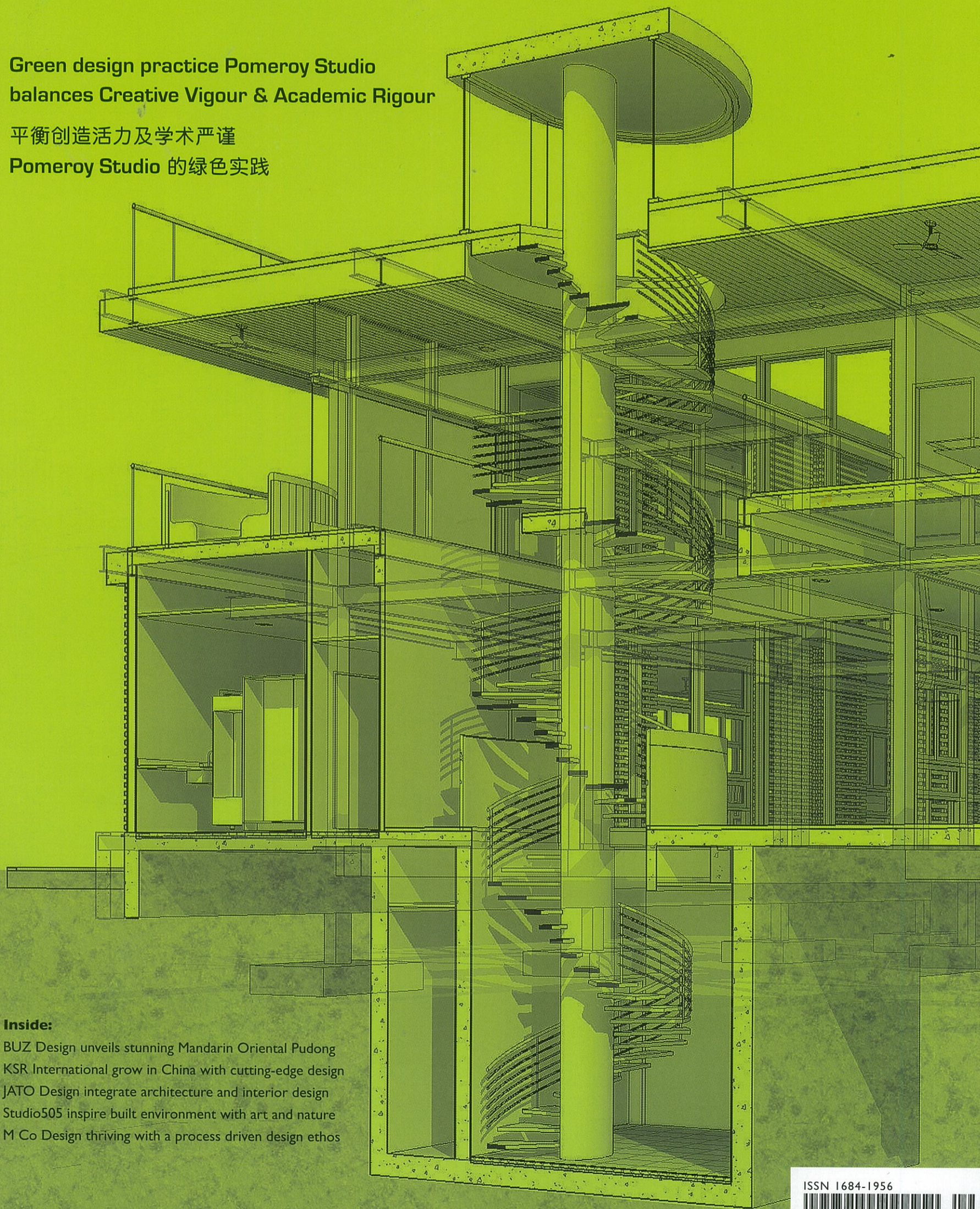


PRC 建设

Pacific Rim Construction

Green design practice Pomeroy Studio
balances Creative Vigour & Academic Rigour

平衡创造活力及学术严谨
Pomeroy Studio 的绿色实践



Inside:

BUZ Design unveils stunning Mandarin Oriental Pudong
KSR International grow in China with cutting-edge design
JATO Design integrate architecture and interior design
Studio505 inspire built environment with art and nature
M Co Design thriving with a process driven design ethos

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Established in 2003, Melbourne-based architectural firm studio505 under the inspired guidance of directors Dylan Brady and Dirk Zimmermann are credited with some of the most innovative and imaginative architectural projects launched in recent years, most notably the award-winning 6-star Greenstar Carbon Neutral Pixel building and their distinctive design for the 22,000 square metre metal façade screen of Suzhou's Science and Cultural Arts Centre (SSCAC).



Architecture, art and nature inspire tomorrow's built environment

Wujin Planning and Exhibition Centre

Sustainable building expertise

Completed in 2009 and awarded a previously unheard of perfect score of 105/105 in the Australian Green Building Council's Green star rating, the Pixel building was also certified as Australia's first carbon neutral project, which also took out the LEED top rating award and remains the world's highest rated LEED building. Previously featured in PRC Issue #59 in April 2012, accolades received in relation to the Pixel building have led to numerous sustainability awards for other Studio505 designed structures and technology transfers for the entire design and construction team.

Completing the Pixel building set studio505 on a fast track to global recognition and it subsequently being featured on the cover of the highly respected USA Green Source Journal, something of a coup for a young architectural firm from Downunder.

The distinctive design of the Pixel building has also contributed to development of the firm's subsequent innovative work and its high quality contribution to the urban fabric and culture of the communities in which their projects are located.

studio505 has developed a definitive skill and imagination in artistically fusing architecture and art, particularly in the field of facades. They have coined the term art-facades for this aspect of their work, as is effectively represented in the award winning façade for the Wintergarden shopping centre in Brisbane, Australia. This fantasy canvas of a led lit, colour soaked, laser cut and hand folded garden wonderland with massive sculptural butterflies straddles three street frontages of the city centre precinct, creating a landmark, a brand and an artwork all at the same time. The client, a major institutional retail funds manager, has since commissioned the practice to deliver two other unique façade projects in their retail portfolio - reinforcing the ultimate accolade for architects - repeat customers.

In 2009, studio505 was invited to enter two major design competitions - one for a new cultural complex and grand theatre in Wujin, Changzhou, China, and the other in Singapore - a new 1000-bed hospital complex. For the new ward tower design of the Ng Teng Fong General Hospital in Singapore, won through an international design competition in collaboration with CPG and HOK, studio505 imagined a radical, simple and profound new way to think about the naturally ventilated multi-bed wards. The principle of giving every patient a window generated the entire plan form of the ward towers, including garden beds, natural ventilation, shading and adjacency relationships that have created a truly unique and improved spatial condition for a healing environment.

Phoenix Valley, Wujin, China

The studio subsequently won the Wujin competition for the architecture, interiors, landscape design and façade detailing for the now completed Phoenix Valley project, a

65,000 square metre cultural precinct that houses the Wujin Grand Theatre (shortlisted in the 2013 WAF INSIDE Culture award to be announced this October), four cinemas, an art gallery, retail spaces, a sports and dance complex, as well as a youth palace for 4,000 students.

The total Phoenix Valley project has also recently been shortlisted in the prestigious Chinese LuBan prize. It has also been certified under China's 3-star rating due to its use of passive and active technologies originally developed and applied on the Pixel building, including a patterned, planted green roof, an expansive BIPV installation, natural ventilation and extensive water cycling and re-cycling systems.

Phoenix Valley is a network of functions arranged around a central valley. It is a geological building - a grass-covered mountain carved deep to its base by the canal aimed at its heart and revealing the glowing glass jewel of the art gallery. Green roofs cascade into

green walls, which are planted in flowering patterns that stitch into the façade. The façade is a patterned composition of gold and stone at the theatre, transforming to silver and colour at the youth palace, and creating a distinct brand and image that the building and precinct can claim as their own.

Wujin Grand Theatre takes its design cues from the symbolic logic and form of the carapace of the cicada. In China, the cicada is a symbol of longevity, or rebirth and eternal life. The design team have connected this idea with the rebirth and creation of new worlds that occur every time the magic of theatre or opera is entered into. The interior form and design is based on the interlocking shells wings and antenna of origami bugs, with lapping translucent acoustic and visual baffles lines in contoured LEDs forming a fluid and panelised skin. The chandelier to the ceiling is based on the micro structure of the antennae of a moth and its soft pulsing LEDs create a living and fluid carpet on the ceiling, pulsing with the slow heartbeat that a massive insect-like form would have.

Wujin Grand Theatre promises to be a venue that can create and recreate unique spaces for the imagination. With the capacity to project and extend the theatrical set and activity out into the auditorium, it is also possible to project architecture onto the walls, rendering the internal space as a simulacrum of anything that can be created in a computer model, and extending the tools of the theatre designer into a new realm.

Lotus-inspired Wujin Planning and Exhibition Centre

Just across the road, the Wujin Planning and Exhibition hall is completely different to its neighbour, but no less impressive. It is a 35 metre high series of 3 lotus flowers filled with exhibition spaces and meeting rooms, floating on a 10,000 square metre lake in a landscaped garden of mosaic bowls, flowers and patterns. The building was conceived as an occupied sculpture.

The night lighting, the reflections, the park setting and its magical other worldliness makes it a landmark that draws cameras out of the bags of locals and tourists alike. The lake itself inspired the lotus - a flower floating on a lake - represented in three blooms; the young closed bud, the full flower and the opened flower with the seed pod inside.

There is no door to the lotus, it is not entered from the outside at all, but rather seen in the round, mirrored in the enlarged lake that surrounds it. Entrance is from beneath the lake, and inside the majesty of the central flower pod is revealed - a soaring 10 storey circulation volume with an eternally blue sky inside. The entire solid surface of the lotus is mosaic tiled, smoothly running from stainless steel tiled edges to the continuous speckled white interior.

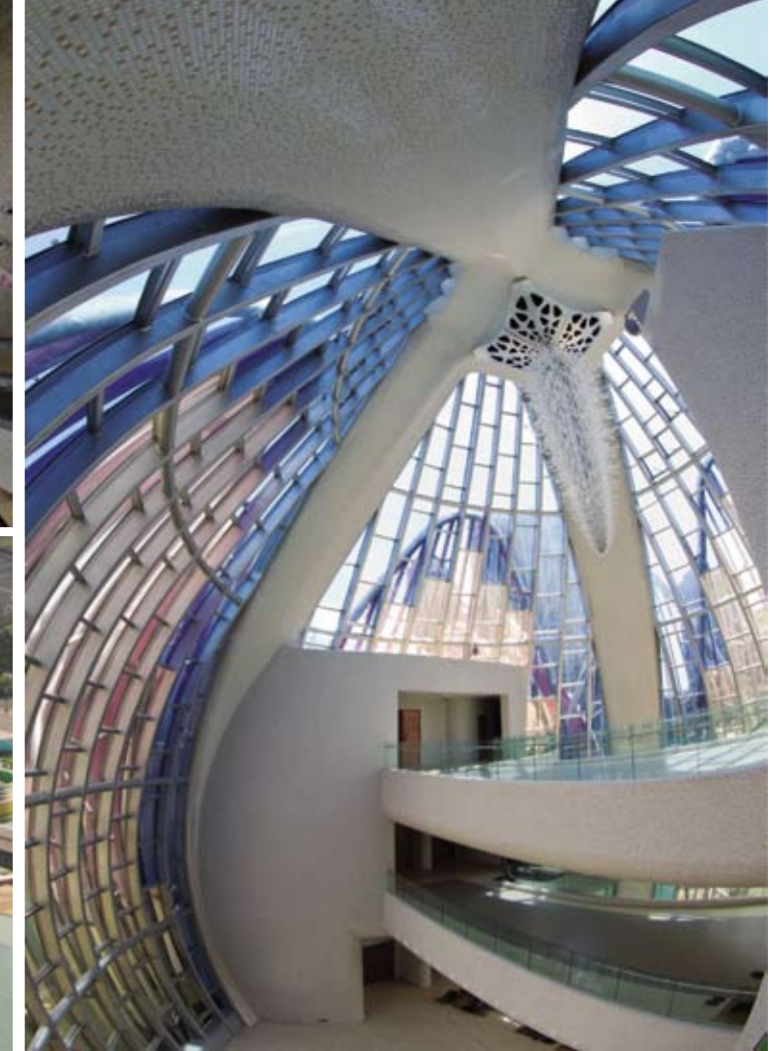
The gardens, the landscapes and flower-based geometries explored in these projects in Wujin also informed the process of design of the Waratah Studio - shortlisted in this year's WAF awards. The sculptural studio played a key role in winning the 'Best in Show' award for the Australian Garden designed by Philip Johnson Landscapes together with Fleming Nurseries at the 100th Chelsea Flower and Garden Show in the United Kingdom - a horticultural Olympic Games. The sculptural form of the studio has subsequently been repeated in the Victorian Garden at the Chinese National Flower Show 2013 in Wujin.

studio505 commit thought, energy and intelligence to each project. Currently, they are completing the detailed design for a schooling academy Malacca and new hospital in Sabah, Malaysia, and are working on some extravagant new retail and resort projects in China, as well as a new residential apartment tower in Melbourne. Some of these projects, we are also reliably informed, are once again based on flowers.

www.studio505.com.au

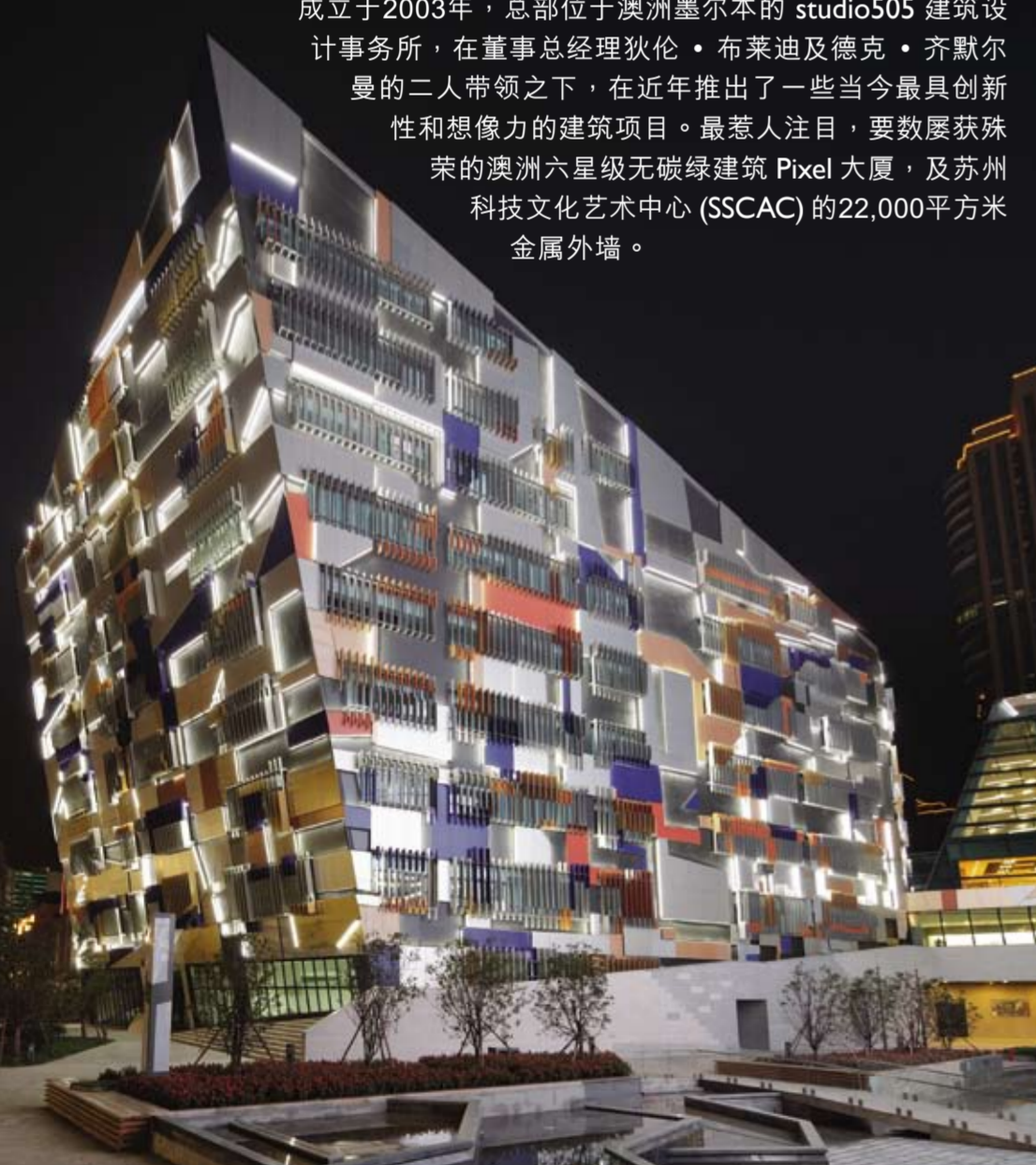


Wujin Planning and Exhibition Centre



建筑 · 艺术 · 自然 启航未来建筑之境

成立于2003年，总部位于澳洲墨尔本的 studio505 建筑设计事务所，在董事总经理狄伦·布莱迪及德克·齐默尔曼的二人带领之下，在近年推出了一些当今最具创新性和想像力的建筑项目。最惹人注目，要数屡获殊荣的澳洲六星级无碳绿建筑 Pixel 大厦，及苏州科技文化艺术中心 (SSCAC) 的22,000平方米金属外墙。



Phoenix Valley



The Wujin Grand Theatre

可持续建筑技术

落成于2009年的 Pixel 大厦，获澳洲绿色建筑委员会颁发史无前例105/105满分绿星评级，亦是澳洲认证的首个碳中和建筑项目，同时夺得美国绿色建筑协会的领先能源与环境设计 (LEED) 的最高等级奖，得分纪录迄今仍未被超越。在2012年4月号的《PRC 建设》曾报导过的Pixel，它为 studio505 带来许多赞誉，令公司整个设计及施工团队，在其他结构设计及技术运用上取得了不少的可持续性奖项。

Pixel 的完美竣工令 studio505 在全球声名大噪，随后荣登备受推崇的美国《绿色来源期刊》封面，使这间新进的澳洲建筑师事务所身价不少。大厦的独特设计亦大大帮助推动团队创新，为项目所在的城市构造和社区文化，带来优良贡献。

studio505 以结合建筑与艺术原则下，建立明确的专长技能和想像力，尤其在外墙范畴上；他们称之为「艺术外墙」，当中以获奖的澳洲布里斯班的 Wintergarden 购物中心为个中表表者。这幅梦幻「画布」以七彩缤纷的 LED 照明，辅以激光切割和手工折迭的仙境花园图案，加上巨型蝴蝶浮雕横跨市中心的三面街道，同时创造出一个品牌、地标及艺术品。购物中心的业主是一间大型零售基金管理公司，自此亦委托他们替旗下两个零售项目提供独特的外墙设计，获得客人继续支持也就是建筑师的荣耀。

在2009年，studio505 获邀参加两大设计比赛—中国江苏省常州市武进区文化中心及大剧院；另一个位于新加坡，设有千张床位的大型医院。studio505 透过与同行 CPG 及 HOK 携手赢得黄廷芳综合医院新病房大楼的国际设计比赛，对自然通风的多床型病房赋予大胆、简单而深远的新构想。让每位病人都享有自己窗户为原则，催生整份病房大楼图则，包括花园、自然通风、遮阳及与其他建筑物的邻接，创造真正独特及更宽敞的疗养环境。

中国凤凰谷

事务所随后赢得现已竣工的常州凤凰谷项目的建筑、室内设计、景观设计和外墙美化比赛。这个面积达6万2千平方米的文化区，设有武进大剧院（2013年世界建筑节 WAF Inside 文化奖入围者，将于今年10月举行），四间电影院、艺术画廊、零售店面、体育舞蹈中心，及能容纳4,000名学生的青少年活动中心。凤凰谷最近还入围中国建筑工程界久负盛名的鲁班奖。由于采用最初为 Pixel 研发及应用的各种主动及被动技术，已获得中国内地3星级评级认证；包括种植图案绿色屋顶、建筑整合太阳能/光伏建筑一体化、自然通风和大规模用水再循环系统。

凤凰谷项目是一组大型仿地质建筑群，青草覆盖的山地围绕著中央的多功能建筑物，呈现如宝石般的艺廊。绿色由屋顶倾泻自墙身，将栽种好的植物以花开图案紧缝在外墙。剧院外墙以黄金及石状图案砌成，青少年活动中心则是银色及七彩，给予文化区与每座建筑物独立品牌和形象。



Phoenix Valley

武进大剧院的设计灵感，来自蝉壳象征性的逻辑和形态。蝉在中国是长寿的象征，代表重生和生命永恒。设计团队将此概念联想到每一次戏剧或歌剧奇幻世界的开始，等同再生和创造。内部构造及设计，以摺纸般的昆虫翅膀及触须为概念基础，运用装上了LED的波浪形半透明声学及视觉挡板，构成重迭而流线的镶板内墙。天花的水晶灯参考飞蛾触角上的微组织，软脉冲LED在天花上创造了一张仿如有生命的毯子，又像一只巨虫缓缓地心跳闪动。

武进大剧院有望成为能创造及实现独特想像力的空间，它能把舞台及活动伸展到观众席，亦能将想像的场景投射到墙壁，让剧院空间幻变成电脑模型的仿真实景，将舞台设计师的想像发挥至全新境界。

莲花怒放

就在马路对面，武进城市规划展览馆与其邻居截然不同，但同样叫人印象深刻。这座由三朵各35米高的莲花状建筑，设有展览区和会议室，在风景优美，摆放著马赛克碗、花卉及不同图案的公园内，看来就是浮在面积一万平方米湖泊中央的巨莲。项目构想是一座可供人于内部活动的巨大雕塑；它的夜间景色、湖中投影、园区设计及其梦幻世界般的感受，成为当地人及旅客谋杀菲林的地标。

湖泊本身启发莲花状设计—泛花于湖边，代表三种美态：初蕊含羞、成熟及盛著莲蓬绽放。

莲花馆看来没有门口，因为不是由地面进入，那是要经过在湖底的入口；雄伟的中央莲蓬部份尽现眼前—高耸的十层高楼底及拥抱无限蓝天景观。整个荷花固态表墙是由马赛克砖铺成，再由不锈钢瓷砖边缘顺滑地延伸到白光粼粼的内部。

与武进项目类近的园林景观及花卉设计的 Waratah Studio，亦见诸于今年WAF大奖的入围名单。由 studio505 策划的 Waratah Studio，是一个由 Philip Johnson Landscapes 与 Fleming Nurseries 联手设计的澳洲式花园，在被喻为园艺界中的奥林匹克—第100届英国切尔西花卉和园艺展中夺得「Best in Show」大奖。在2013年武进举行的中国花卉博览，合作单位将会以维多利亚式花园再度展出。

studio505 对每个项目均灌注心神、精力与智慧。目前，他们刚完成位于马来西亚六甲甲师训学院，及沙巴一间新医院的详细设计；并在中国内地开展数个豪华零售及度假村项目，以及在墨尔本的一幢新式公寓。而根据可靠消息，当中一些亦会以花卉作概念。

www.studio505.com.au

505
studio

Pixel Building



Suzhou Science and Cultural Arts Centre



Ng Teng Fong General Hospital and Jurong Community Hospital



The Waratah Studio