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Reuse of TXL Berlin Rendering

FIRST COMES THE CITY, THEN THE INDIVIDUAL BUILDING. VOLKWIN MARG



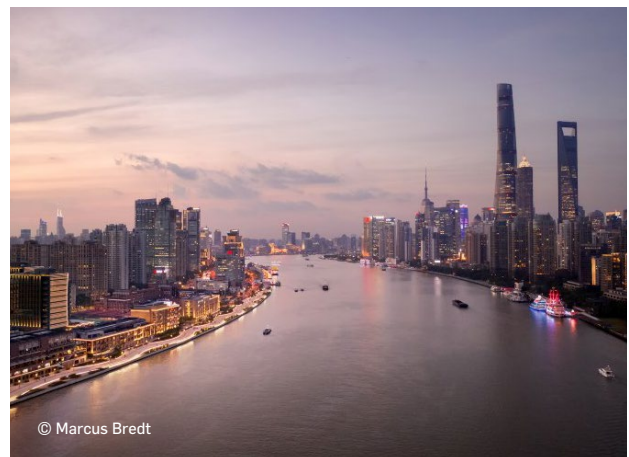
gmp Architects

Ecology, economy and society were three important pillars of our architectural approach, even before the current global trend of sustainability came up. It is not only a challenge and moral obligation for us to pay attention to environmental concerns in our projects, but also a tradition.

We understand sustainable urban renewal not only as a mere technical adaptation, but as a further development of existing building typologies and urban structures. The cooperation with other specialists such as landscape architects and urban planners results in objects of stable value with high economic efficiency and efficient use of space: South Bund Waterfront and Zhangjiang Science City in Shanghai, HafenCity in Hamburg, the conversion of the Baowu Stainless Steel factory into the Shanghai Academy of Fine Arts and recently the reuse of Berlin-Tegel Airport (TXL).

South Bund Waterfront, Huangpu District, Shanghai

In 2011, gmp won the urban design competition for the South Bund area located between Huangpu River and Shanghai's Oldtown and was subsequently commissioned with the design of the 2.2 km long public promenade along the river. Completed in 2019, the „wave promenade“ recalls the historical urban structure of the streets and alleys leading from the Oldtown to the historic harbor: At each point where a street meets the riverbank, the promenade is led outward in a slight wave, analogous to the boat docks formerly located at these points.



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South Bund Waterfront Night View



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South Bund Waterfront

Design: **Meinhard von Gerkan and Nikolaus Goetze with Magdalene Weiss**
 Project Lead: **Magdalene Weiss, Fanny Hoffmann-Loss**
 Project Management China: **Cai Lei**
 Landscape Architecture: **WES LandscapeArchitecture**
 Client: **Shanghai Bund & Riverside Comprehensive Development Co., Ltd.**
 Planning Area: **700,000 m²**



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Bird's-eye View Southeast at Night

Disused stainless steel factory turned into Shanghai Academy of Fine Arts

The conversion of Baowu Stainless Steel factory is an outstanding example of urban renewal and upgrading of former heavy industry areas in Shanghai. The 860-meter-long building will be renovated and expanded to accommodate the Shanghai Academy of Fine Arts. The distinctive steel and concrete structure will be retained, including the characteristic ventilation towers on the roof to increase natural light and enhance ventilation. The interaction of old and new construction can be experienced in a shared, central core space for the art academy that connects through the entire length of the building.



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Central Corridor

Design: **Meinhard von Gerkan and Nikolaus Goetze with Magdalene Weiss**
 Competition Lead: **Li Yang**
 Project Management China: **Pan Mei, Zhang Yayun**
 Structural Engineering: **schlaich bergemann partner**
 Energy Consultant: **Transsolar Energietechnik GmbH**
 HVAC consultant: **Institute of HVAC Engineering, Tongji University**
 Client: **Shanghai Baosteel Stainless Steel Co., Ltd.**
 GFA: **220,000 m²**



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柏林泰格尔机场再利用效果图

城市为先, 建筑居后

福尔克温·玛格



gmp 建筑师事务所

在可持续性发展成为全球趋势之前, 如何看待生态、经济和社会问题早已成为我们设计构思的重要考量维度。对我们来说, 在设计中重视环境问题不仅仅是一种挑战和义务, 更是我们对待项目的传统思考方式。

我们对可持续性城市更新的理解不仅限于技术改造, 亦涵括了对现有建筑类型和城市结构的进一步拓展。在与其他共同参与城市建设的专家, 如景观建筑师和城市规划师的通力配合下, 一系列具有稳定价值、较高经济效益和有效空间利用的规划项目由此诞生: 上海南外滩滨水岸线景观设计、上海张江科技城、汉堡港口新城、宝武钢铁不锈钢型钢厂房改建为上海美术学院以及最近的柏林泰格尔机场 (TXL) 的延续再利用。

上海黄浦区南外滩滨水岸线

2011年, gmp赢得了位于黄浦江和上海老城区之间的南外滩地区的城市设计竞赛, 随后被委托设计沿江2.2公里长的滨水空间。2019年完成的“波浪形滨水岸线”呼应了从老城区通往古港口的街道小巷的城市历史结构。滨水岸线的设计将水岸西侧老城厢的城市空间肌理延伸至江边, 在每一条街巷与水岸的交汇处, 滨水岸线都被向外引向江面, 形成一个轻微的“波浪”, 象征着历史上位于项目原址的船坞。



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南外滩滨水岸线夜景



© Marcus Bredt

南外滩滨水岸线

设计: 曼哈德·冯·格康与尼古劳斯·格茨及玛德琳·唯斯
 项目负责人: 玛德琳·唯斯, Fanny Hoffmann-Loss
 中国项目管理: 蔡磊
 景观设计: 魏斯景观建筑
 业主: 上海外滩滨江综合开发有限公司
 规划面积: 70万平方米



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东南侧鸟瞰夜景图

老不锈钢厂变身美术学院

宝武钢铁不锈钢型钢厂房的改造是上海原重工业区城市更新和升级的一个典型案例。长约860米的厂房主体改建后将作为上海大学上海美术学院(吴淞校区)的新址。gmp在设计方案中保留与重构了原厂房连续的柱网与屋架结构,包括屋脊上标志性的通风气楼,以增加自然采光和增强自然通风。在贯穿建筑全长的中央共享核心空间中,可以聆听到新旧建筑穿越时空的对话。



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中央时间回廊

设计: 曼哈德·冯·格康和尼古劳斯·格茨及玛德琳·唯斯
 竞赛阶段项目负责人: 李旻
 中国项目管理: 潘梅, 章雅芸
 结构设计: sbp 施莱希工程设计咨询有限公司
 节能顾问: Transsolar Energietechnik GmbH
 通风顾问: 同济大学暖通空调研究所
 业主: 上海宝钢不锈钢有限公司
 建筑总面积: 22万平方米