

探访指数 - 绿色山谷

总分：4.5/5.0 (法国波尔多加龙河畔的参数化生态绿洲)

1. 克制外壳与内向型生态爆发:

这是位于法国波尔多巴斯蒂德·尼埃尔新兴街区的一处住宅群落，总面积约 5250 平方米。它由 3 栋相互咬合的建筑构成了一个闭合的三角形地块。荷兰前卫建筑设计团队采用了强烈的“内外反差”策略：面向街道的外立面被浅灰色瓷砖包裹，呈现出极度克制的都市轮廓；而一旦将视线转向内部庭院，通高的开窗与层叠的绿植则构成了一场肆意生长的自然爆发。这种内向型的生态微气候，为身处喧嚣都市中的 70 户居民构筑了一座生机盎然的秘密山谷。

2. 参数化切削下的阳光平权:

这座建筑奇特的倾斜轮廓并非单纯追求视觉奇观，而是源自极其严谨的参数化日照推演。设计团队为整个街区制定了“日切”总体规划规则，通过精确计算太阳轨迹来切削建筑形体，确保这个高密度街区内的每一栋建筑、甚至每一个楼层，在全年都能获得充足的直射阳光。这种将自然光线视为核心生成逻辑的设计手法，展现了参数化工具在解决高密度城市日照问题上的强大力量。

3. 深度介入的立体绿化与生态韧性:

这里的立体绿化绝非停留在表面的视觉装饰，而是建立在极其完善的运维系统之上。层叠的阳廊上错落有致地布置着大小各异的种植

池，涵盖了从灌木到小乔木的丰富植被。为了确保这片空中森林的长期存活，建筑师甚至在结构墙体中专门为专业园丁设计了一条隐秘的环形维护通道，并在通道开口处采用了极具趣味性的“戴宽檐帽的园丁剪影”钢门。结合太阳能光伏板、区域供热网络以及防洪架空的底层设计，该项目将生态韧性深深刻入了建筑的基础设施之中。

探访指南

- **推荐方式:** 强烈推荐你在阳光充足的白昼造访这座获得法国“生态街区”认证的建筑。站在外围街道上，观察其被参数化精确切削的浅灰色倾斜立面，随后通过建筑的间隙向内窥探，感受那座被白墙环抱、从地面一直蔓延至屋顶的立体绿色山谷所带来的强烈视觉反差。
- **核心看点:** 研读这座建筑如何在“高密度”与“高绿化率”之间达成完美平衡。细细体察设计团队是如何用理性的参数化算法推演建筑轮廓，又用极具人情味的“园丁剪影门”等幽默细节来柔和庞大建筑体量的。
- **项目周边探访推荐:** 既然你已身处法国波尔多的加龙河右岸，在领略了这座当代参数化生态住宅的先锋理念后，极力推荐你跨过加龙河，前往著名的波尔多水镜广场漫步。在感受了现代建筑的垂直绿意之后，去体验那片广阔的水平水面是如何倒映出波尔多宏伟的 18 世纪古典建筑群的，这绝对是一场跨越

数百年的城市空间对话。

一句话总结: 它用参数化算法雕刻出克制的都市外壳，在波尔多的加龙河畔，孕育了一座阳光普照、绿意盎然的内向型立体生态山谷。

Visit Index - La Vallée Verte

Total Score: 4.5/5.0 (A Parametric Ecological Oasis on the Banks of the Garonne in Bordeaux)

1. Restrained Envelope and Introverted Ecological

Eruption:

This is a residential complex located in the emerging Bastide Niel neighborhood of Bordeaux, France, with a total area of approximately 5250 square meters. It consists of 3 interlocking buildings that define a closed triangular plot. The Dutch avant-garde architectural design team employed a strong strategy of "internal and external contrast": the street-facing facades are clad in light grey tiles, presenting a highly restrained urban silhouette; however, once the sightline turns to the inner courtyard, full-height windows and cascading

greenery form a wildly growing natural eruption. This introverted ecological microclimate constructs a vibrant secret valley for the 70 households residing amidst the bustling city.

2. Sunlight Equity through Parametric Carving:

The peculiar sloping silhouette of this building is not merely a pursuit of visual spectacle, but stems from extremely rigorous parametric sunlight deductions. The design team established a "sun-cut" masterplan rule for the entire district, carving the building mass by precisely calculating the sun's trajectory to ensure that every building, and even every floor, within this high-density block receives ample direct sunlight year-round. This design approach, treating natural light as the core generative logic, demonstrates the powerful capacity of parametric tools in solving sunlight issues in high-density cities.

3. Deeply Integrated Vertical Greening and Ecological Resilience:

The vertical greening here is by no means superficial visual decoration; it is built upon an extremely well-developed operational and maintenance system. The cascading loggias

are arranged with variously sized planters, covering a rich variety of vegetation from shrubs to small trees. To ensure the long-term survival of this aerial forest, the architects even designed a hidden circular maintenance path specifically for professional gardeners within the structural walls, and utilized highly playful steel doors featuring the "silhouette of a gardener wearing a wide-brimmed hat" at the path openings. Combined with solar photovoltaic panels, connection to the district heating network, and a ground floor elevated against flood risks, the project deeply etches ecological resilience into the building's infrastructure.

Visitor Guide

- **Best Approach:** It is highly recommended that you visit this French "Eco-Quartier" certified building during a sunlit day. Stand on the peripheral streets to observe its light grey sloping facades precisely carved by parametrization, then peek inward through the building's gaps to experience the intense visual contrast brought by that three-dimensional green valley, embraced by white walls and spreading from the ground all the way to the roof.

- **Core Highlights:** Study how this building achieves a perfect balance between "high density" and a "high greening rate." Carefully observe how the design team used rational parametric algorithms to deduce the building's outline, while softening the massive architectural volume with humorous, humanistic details like the "gardener silhouette doors."
- **Nearby Visit Recommendation:** Since you are already on the right bank of the Garonne River in Bordeaux, France, after appreciating the avant-garde concepts of this contemporary parametric ecological residence, it is highly recommended that you cross the Garonne to stroll through the famous Place de la Bourse and its Miroir d'eau (Water Mirror). After experiencing the vertical greenery of modern architecture, go and experience how that vast horizontal water surface reflects Bordeaux's magnificent 18th-century classical architectural ensembles. This will undoubtedly be an urban spatial dialogue spanning several centuries.

One-Sentence Summary: Using parametric algorithms to carve a restrained urban shell, it nurtures a sun-drenched,

lush introverted vertical ecological valley on the banks of the
Garonne in Bordeaux.