



에디슨 라이트 빌딩

EDISON LITE BUILDING

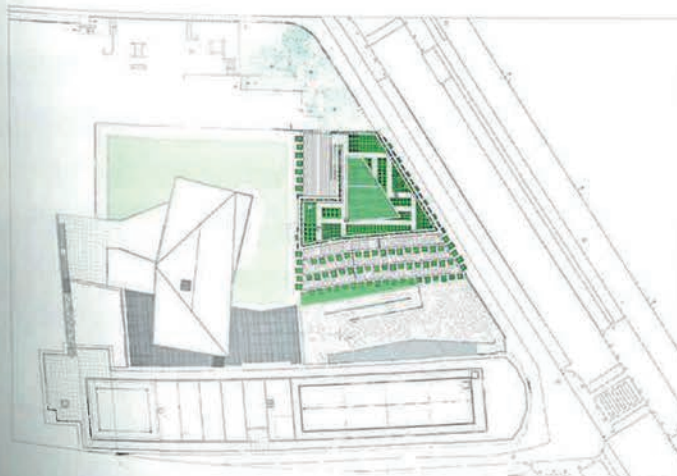
ARCHITECT : MANUELLE GAUTRAND ARCHITECTURE / MANUELLE GAUTRAND

ON ITS MINUTE SCALE WITHIN the City of Paris, the project aims for a kind of 'permacultural' way of life. Edison Lite is first and foremost a building of 'made-to-measure' housing, that is to say co-designed with its future residents. The project also shows a desire to supplement private space with areas, whatever their use, that engage residents in sharing. The building includes two fitted-out commercial units on the ground floor: one is now occupied by the Babilou crèche and the other is a physiotherapy practice.

Abundant planting in the communal spaces continues into the private spaces, constituting another major undertaking of the project. Situated on a narrow plot surrounded by buildings, some imposing, we designed facades that were both largely glazed but also largely planted, in order to create a kind of filter to mask direct views. Thus 290 large planters punctuate the windows of the facade, with an average of 14 planters per unit, which, along with the shared allotment, equates to 10m² of soil per apartment. The planters have been planted with 310 passionflower plants, which 'belong' to the collective, along with 4,320 bulbs and 1,418 rushes (*Luzula*) in the residents' private planters. In the end, the EdisonLite project gave us as much work in forming a happy and responsible community of residents as in creating this varied and enveloping natural world around the construction.

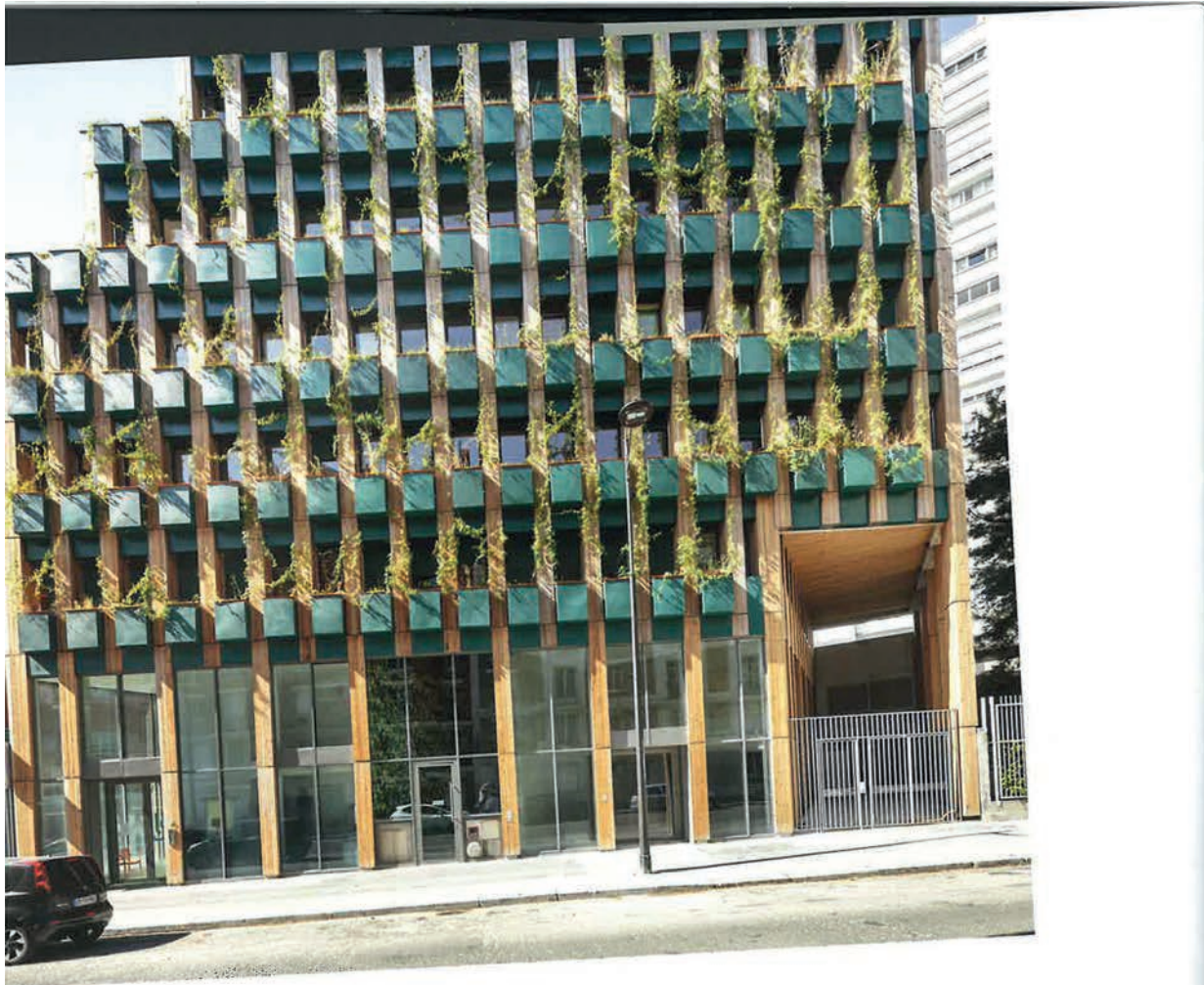
The structural principle of the project is based on a combination of materials, concrete, timber, metal. In the facade, timber is the predominant material (53%). The building is organised around a concrete core (stairwell, lift cage and landings) and a series of concrete posts on the facade, freeing the floor plates from any intermediary structural elements. All the external windows (including the French windows onto terraces) are in stained solid pine. In the facade, the posts are used to distribute the watering and drainage systems for the automatic watering of the project's 290 planters. The posts are covered in thermally modified timber.

Location 71 avenue Edison, 75013 Paris, France **Use** Apartment
Site area 528m² (Elevation from the conservatoire) **Floor area** 2,067
m² **Completed** 2020 **Client** SCCP EDISON LITE (Loftissime + NFU /
HABX) **Architects** MANUELLE GAUTRAND ARCHITECTURE
Contractor GTM (VINCI GROUP), TRACER (sub-contractor) **Land
scaper** BUREAU BAS SMETS **M&E and structural engineers** S2T
Quantity surveyor VPEAS **Drawings, text, and pictures** MANUELLE
GAUTRAND ARCHITECTURE **Photographer** Luc Boegly

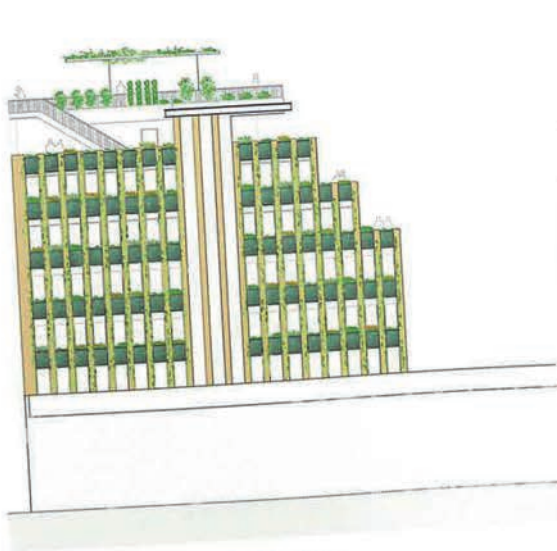


Exterior view

SITE PLAN



1 Main entrance and facade view



1 SET ELEVATION



FRONT ELEVATION

- 1 Street view
- 2 Overall view of the building



본 프로젝트는 파리 시내에 작은 규모로 위치하며 일종의 '농경적' 삶을 추구한다. 에디슨 라이트는 미래 입주자들과 공동으로 설계한, 최초의 '맞춤형' 주거 건물이다. 또 본 프로젝트는 그 용도가 무엇이든 여러 영역으로 구성되어 개인 공간 제공을 통해 입주자들이 공유 생활에 동참하게 하는 노력을 보여준다. 건물은 필수 실비를 갖춘 상업용 임대 세대 두 개를 지상층에 포함하고 있다. 하나는 Babilou crèche가, 다른 하나는 물리치료 전문 업체가 들어서 있다.

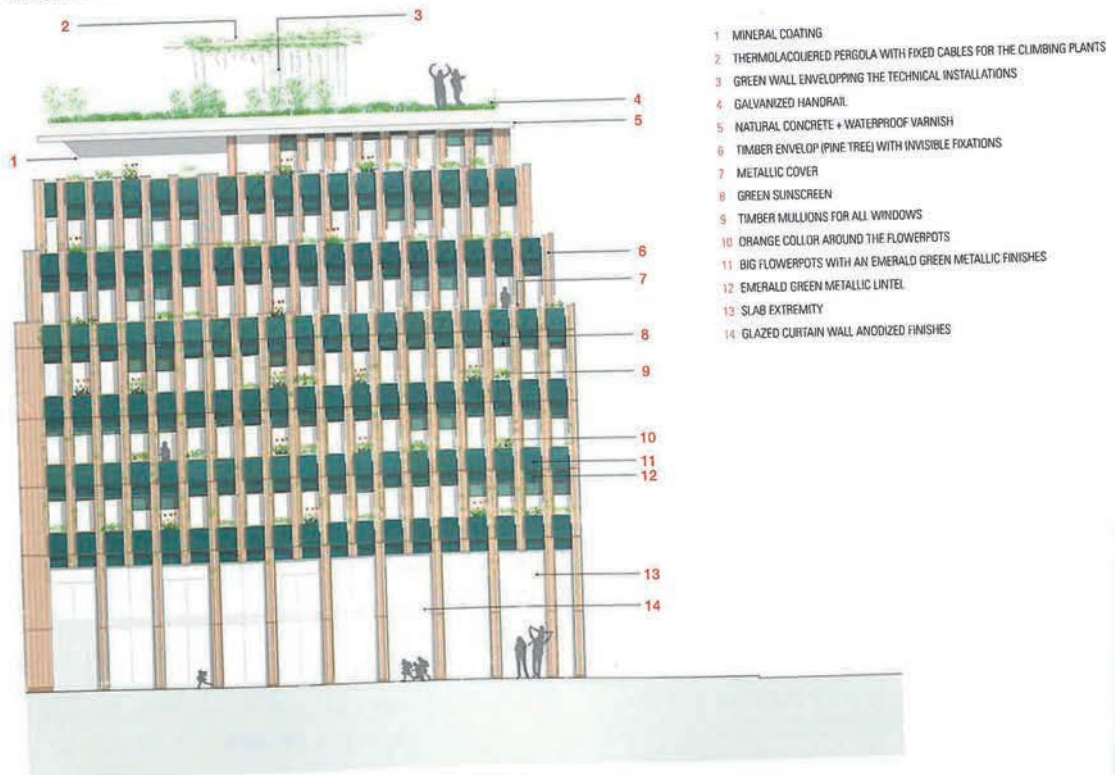
공공부의 풍성한 식물은 개인 공간까지 이어지며 본 프로젝트의 또 다른 핵심을 구성한다. 빛은 꽤 인상적인 건물들에 둘러싸인 협소한 필지에 자리한 건물을 위해 우리는 상당 부분을 유리로 마감하고 또 직접적인 노출을 막아주는 일종의 가림막 역할을 하도록 많은 부분에 식재를 배치한 입면 디자인을 제시했다. 그에 따라 290개의 대형 화단을 입면부의 창들 사이사이에 세대당 평균 14개 정도로 배치했는데, 이는 공동 영역까지 포함해 아파트

세대마다 약 10㎡의 토양이 들어갔다. 이들 화단에는 시계꽃 화분 310개를 심어 입주자 전용 화단의 전구 4,320개, 루줄리 1,418개와 함께 하나의 숲을 이룬다. 우리는 에디슨 라이트 프로젝트에서 건물 주변에 다채롭고 포근한 자연을 조성하는 것만큼 행복하고 책임감 있는 입주자 커뮤니티 형성에도 큰 노력을 기울였다.

건축 구조는 소재, 콘크리트, 목재, 금속의 조합에 기반을 두고 있다. 입면에는 목재가 가장 많이 쓰였다(53%). 건물은 콘크리트 코어(계단실, 승강기, 층계창)와 바닥 판을 중간 지지대로부터 자유롭게 해주는 입면부 콘크리트 기둥을 중심으로 형성되어 있다. 모든 외부 창(테라스 프렌치 윈도우 포함)은 도료를 입힌 소나무 목재로 만들었다. 입면부 기둥은 290개 화단의 자동 급수를 위한 급 배수관을 분배하는 역할을 한다. 이들 기둥은 열처리 목재로 마감했다.



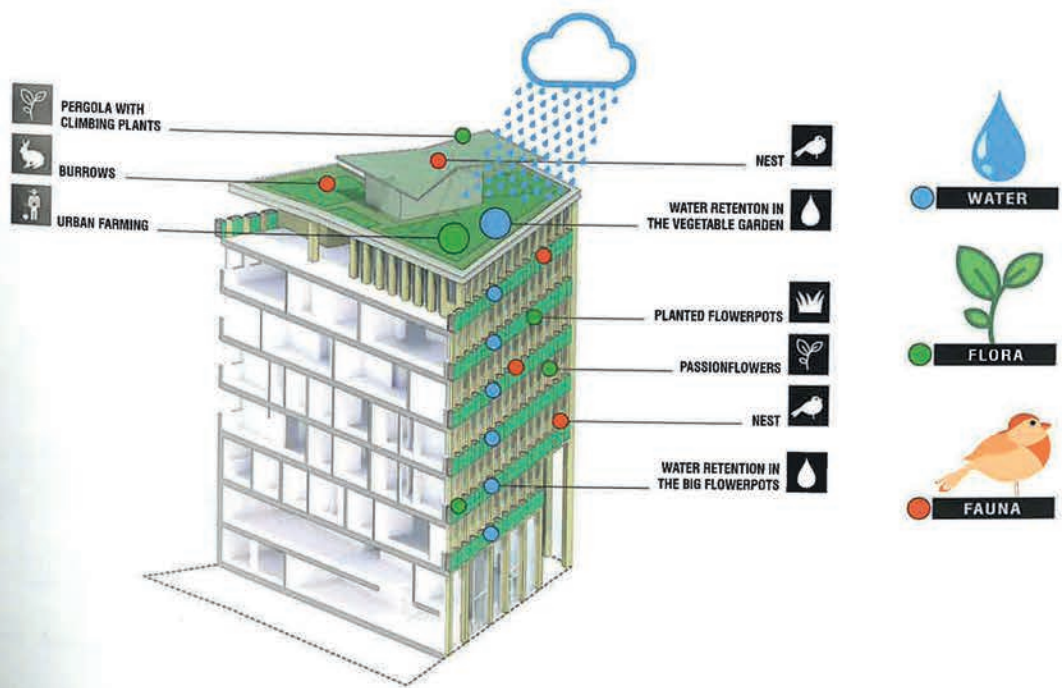
290 large planters of the facade



FACADE MATERIALS



Rooftop garden view

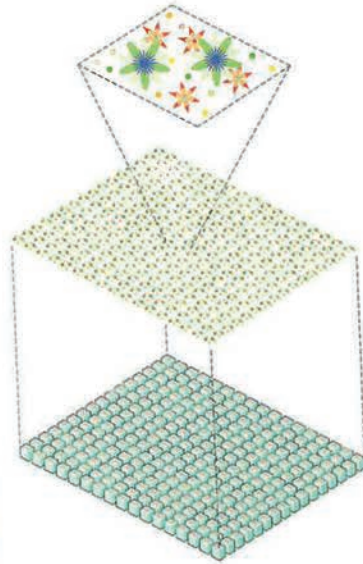


ECOSYSTEM DIAGRAM

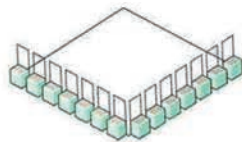


1 Facade flower pot detail

620 passionflowers
760 luzules
4 900 bulbs



290 FLOWER POTS



14 flowerpots
per apartment

Vegetable garden



Urban farming

10m² of soil
per apartment



75m² of soil



1 Co-owner ship asset =
2 passion flowers per flowers pots

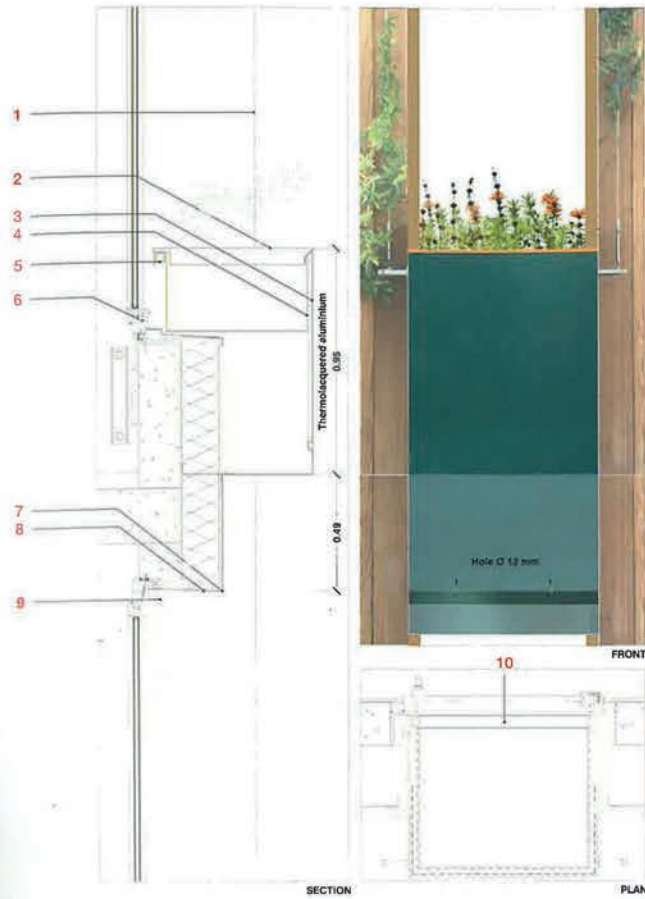


2 Inhabitant's private asset = approx 18 plants (luzules and bulbs)



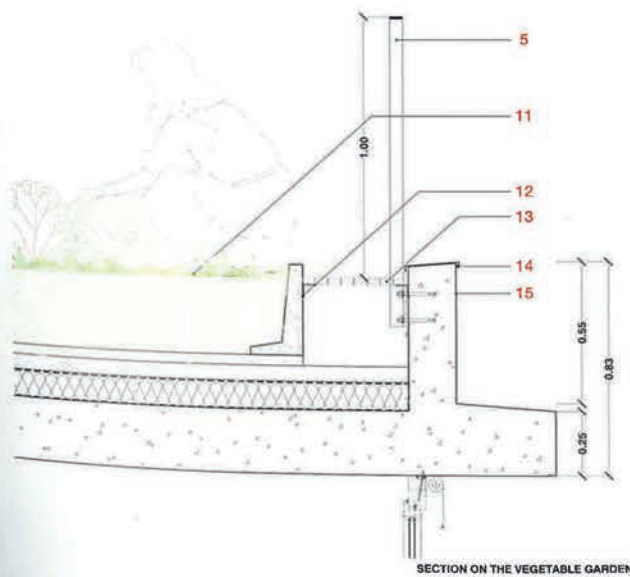
3 1+2 = approx 20 plants per flowers pots were planted one year
before the inhabitant's arrival

PRIVATE VEGETATION VS SHARED VEGETATION



Facade flower pot detail

- | | | | |
|---|-----------------------------------|----|---|
| 1 | TIMBER ENVELOP | 9 | GREEN SUNSCREEN |
| 2 | ORANGE COLLAR AROUND FLOWERPOTS | 10 | METALLIC HANDRAIL |
| 3 | EMERALD GREEN METALLIC FLOWERPOTS | 11 | 35cm OF SOIL FOR THE VEGETABLE GARDEN LAID ON A WATERPROOF SYSTEM |
| 4 | FIXATION | 12 | CONCRETE ANGLE |
| 5 | METALLIC HANDRAIL | 13 | WALK WAY 50°50'4 |



DETAIL OF FLOWER POT AND GARDEN





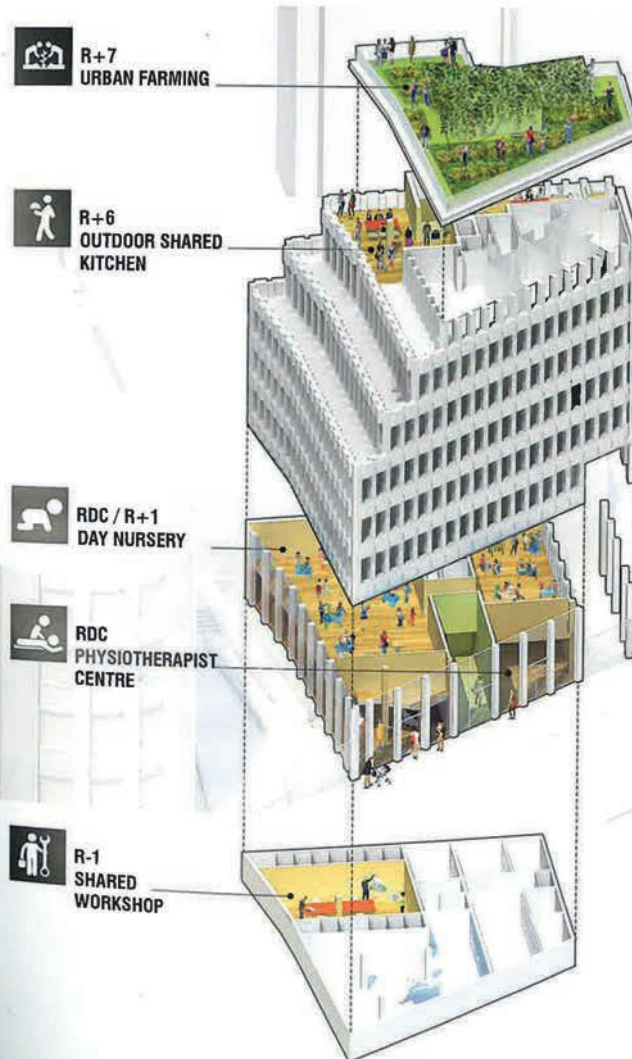
1 Rooftop urban farming 2 Facade side view



TYPICAL FLOOR PLAN



— Facade flower pot view — The other building and street view



AXONOMETRIC