

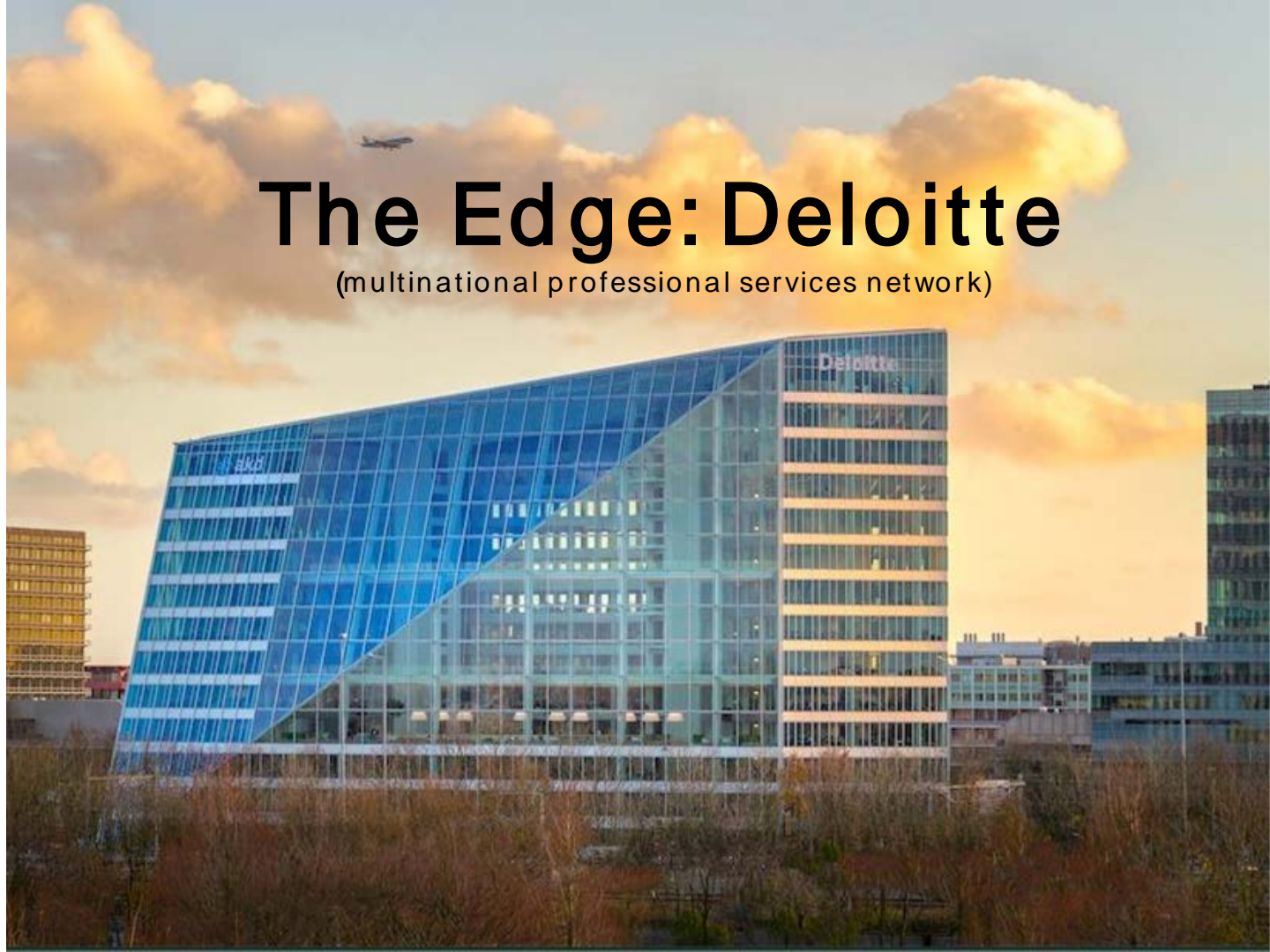


Home Country Examples

Offices

The Edge: Deloitte

(multinational professional services network)



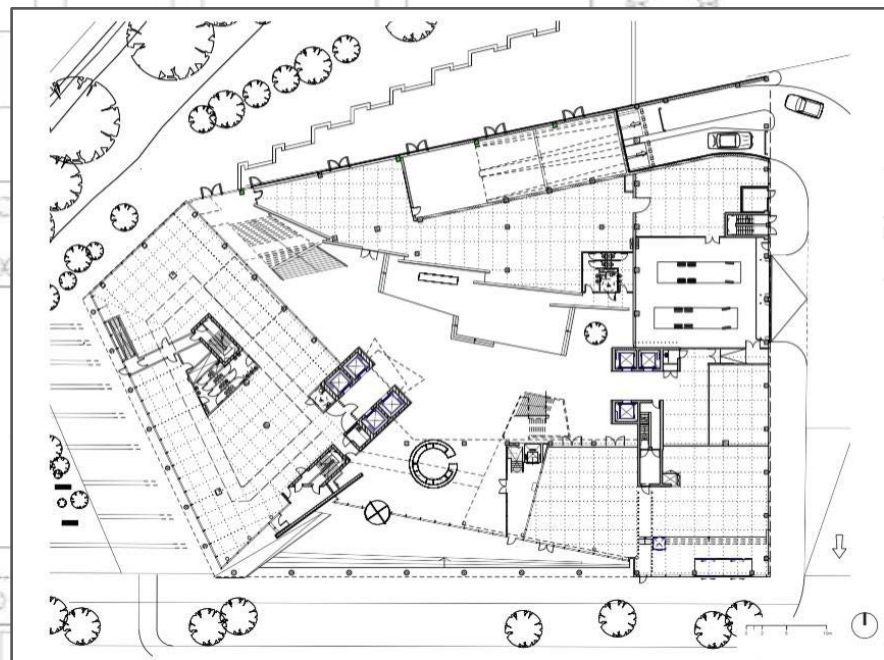
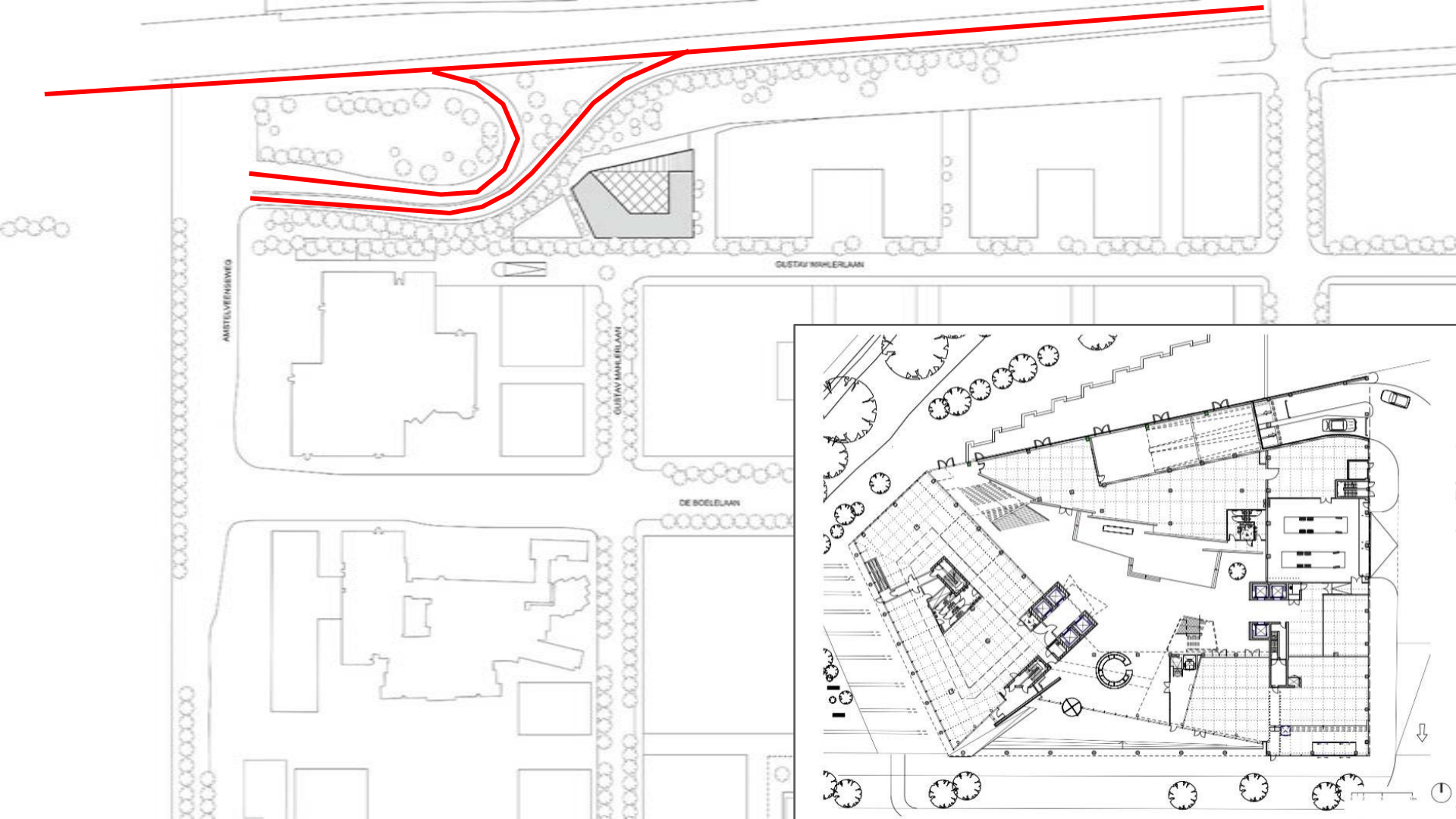
Amsterdam, **NLD**

Sustainability
Score = **98.4%**

Internet of Things:
Controlled via **App**

15 Stories Atrium

Hot desking: 2,500
workers share 1,000
desks



Construction Costs:

74 M € excluding VAT & building equipment.

Area Details:

Plot area: 6,323 m² (2,809 m² not built)

Total Usable Floor Area: 39,910 m² (excluding the basement).

Sustainability:

1. Smart orientation
2. High insulation from a glass façade
3. Net Zero-Energy Building showcase
4. Smart lighting
5. PV production - 5,900 square metres of solar panels
6. Optimised natural and mechanical ventilation
7. Aquifer thermal energy storage for heating and cooling
8. Rainwater harvesting
9. Ecological corridor
10. Accessibility
11. Sustainable materials

Energy consumption

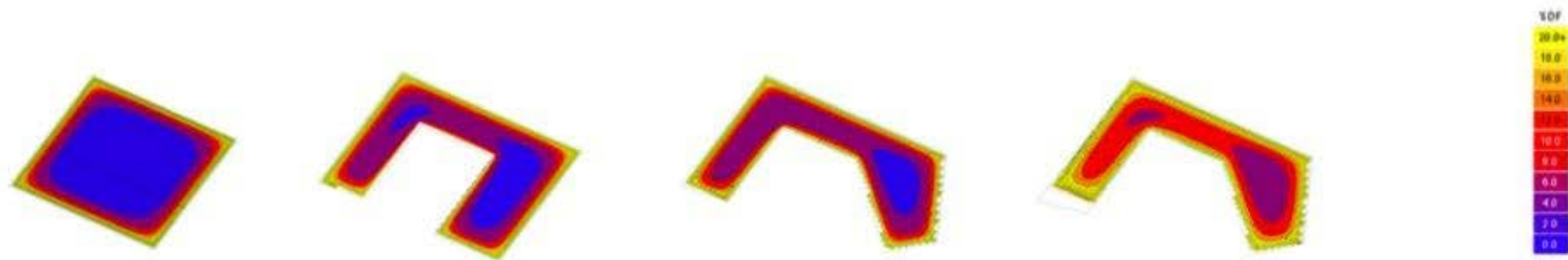
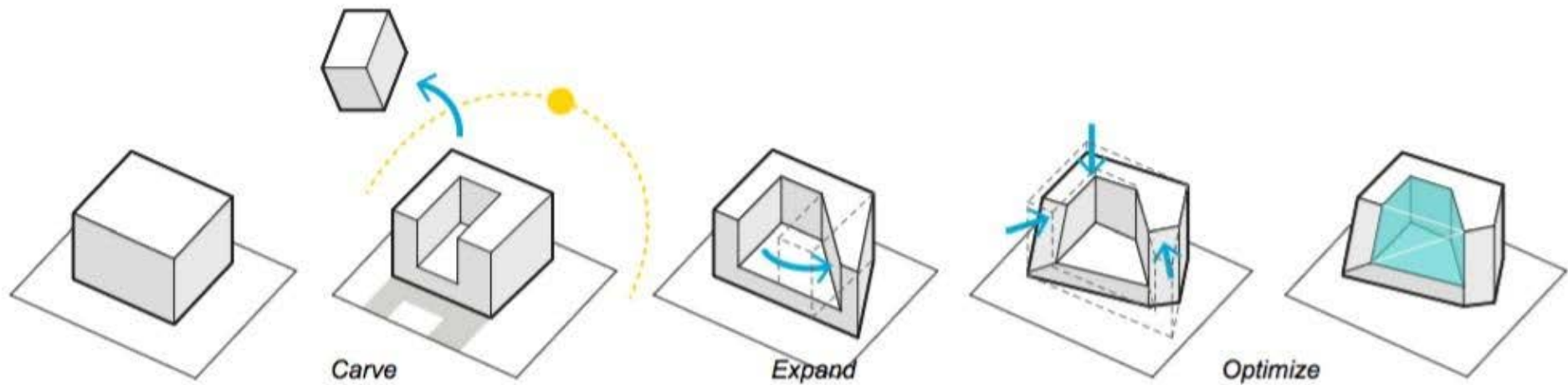
Total primary energy consumption: 67.6 kWh PE/m².year

Fossil primary energy consumption: 56.7 kWh PE/m².year

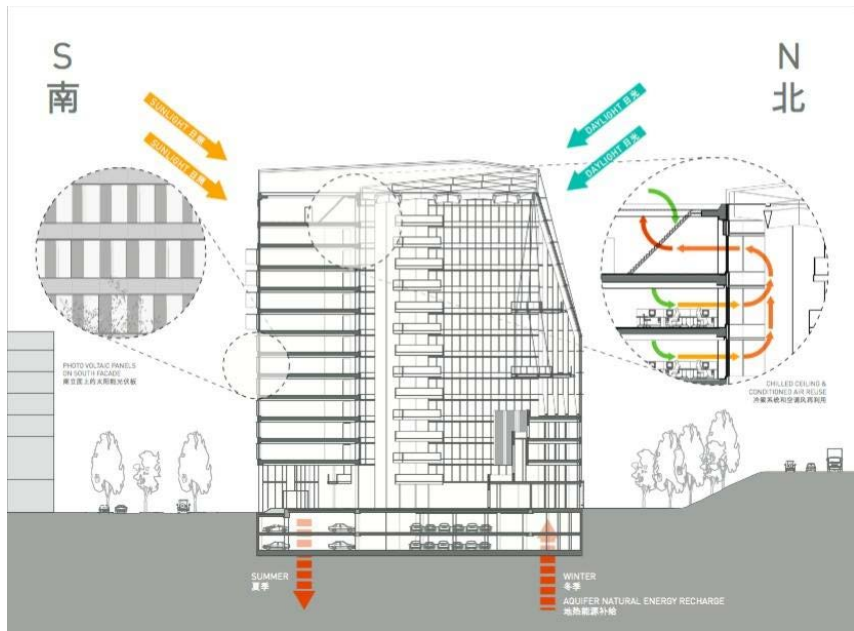
Renewable energy production (PV): 3 kWh PE/m².year

The level of final energy consumption of the building will vary between -0.3 and 40.7 kWh/m².year depending on the availability of the renewable energy supply by the PV production.





Energy Harvestation & Storage



Two 129m deep wells reach down to an aquifer, allowing thermal energy differentials to be stored deep underground.

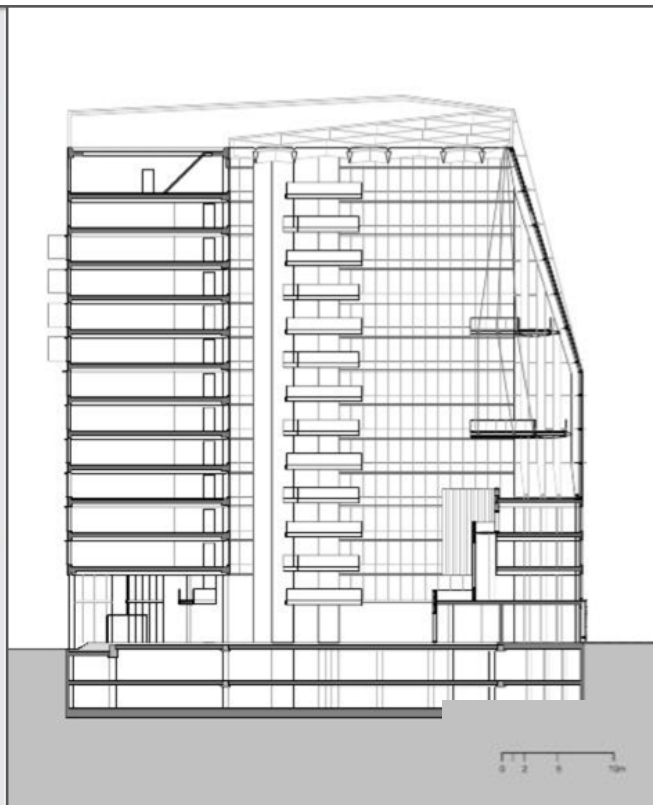
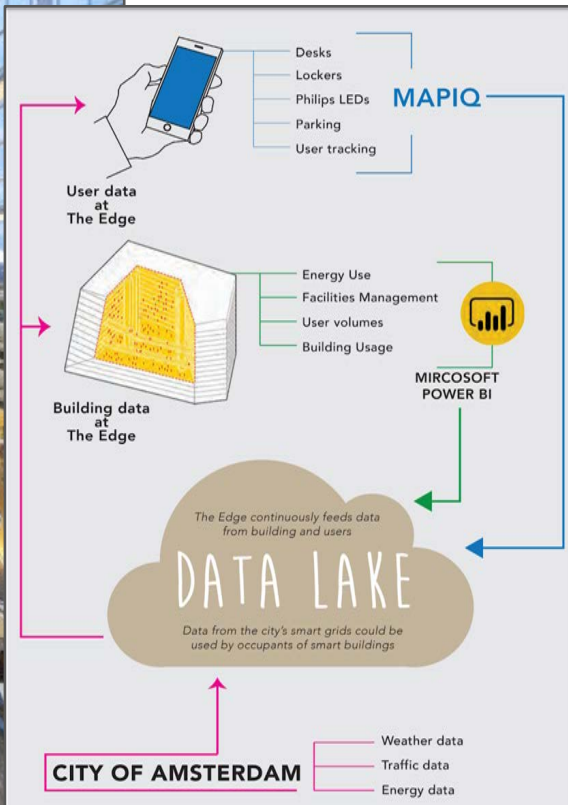


2 Kinds of Tubing:

- Ethernet
- Water



MAPIQ Office App



Lyon, France

Christian Kerez

2018

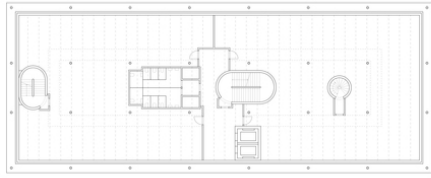
6600 m²

8 stories

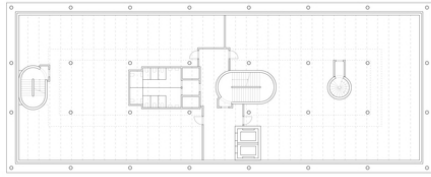
Office Building Confluence Îlot A3



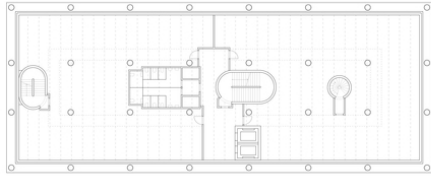




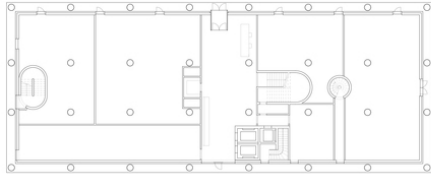
L6
1 3 5 10



L5
1 3 5 10

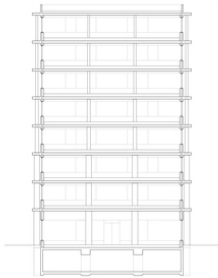


L4
1 3 5 10

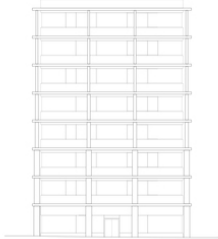


L3
1 3 5 10

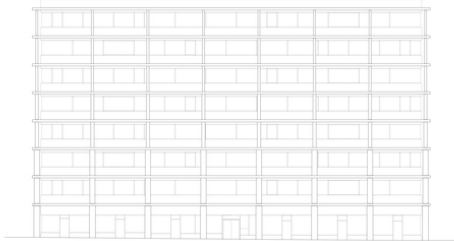




Section

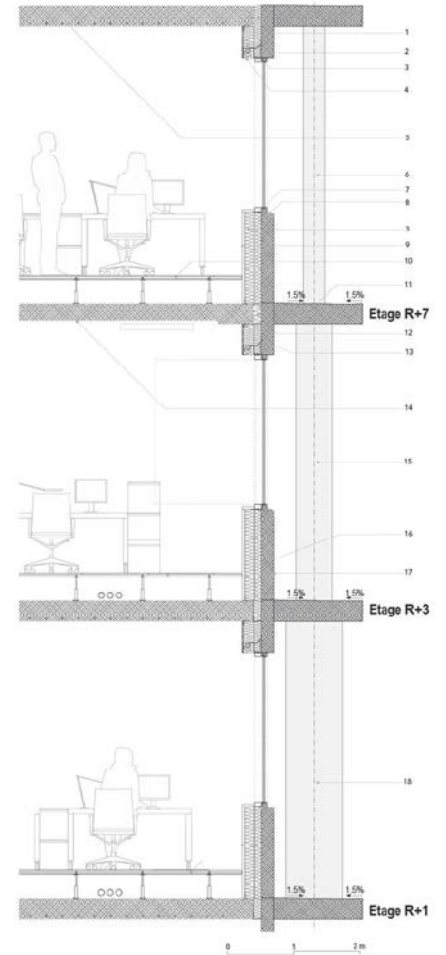


Nord Elevation



West Elevation





Office and
Retail Building
Nowy Świat 2.0

AMC – Andrzej
M. Chołdyński

Area: 1084.0 m²

4 100 m² of office

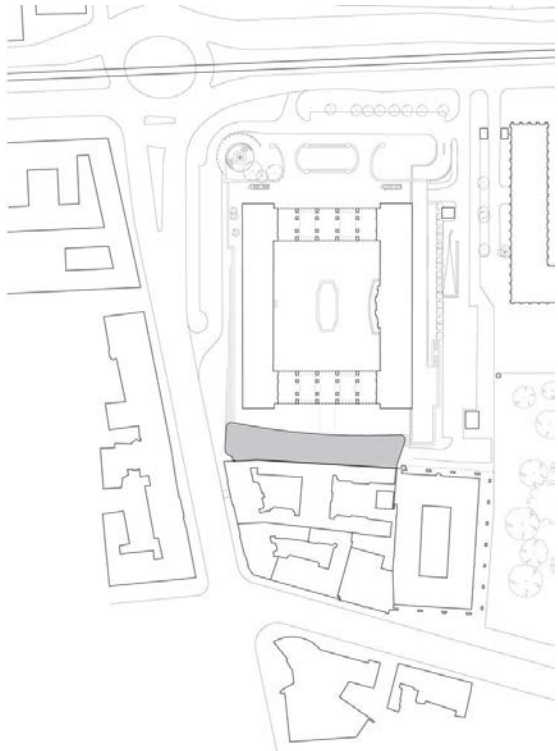
2000 m² of retail

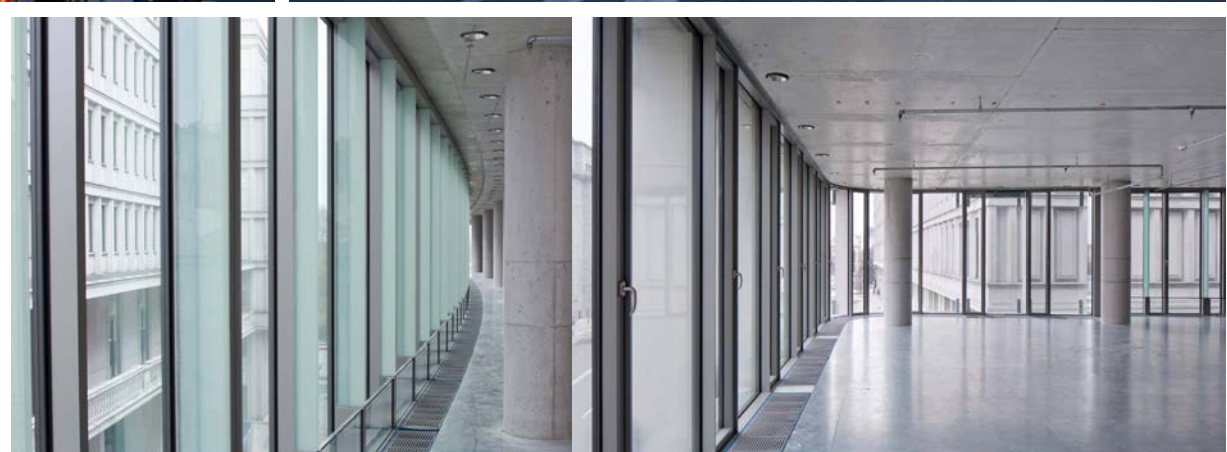
5 floors

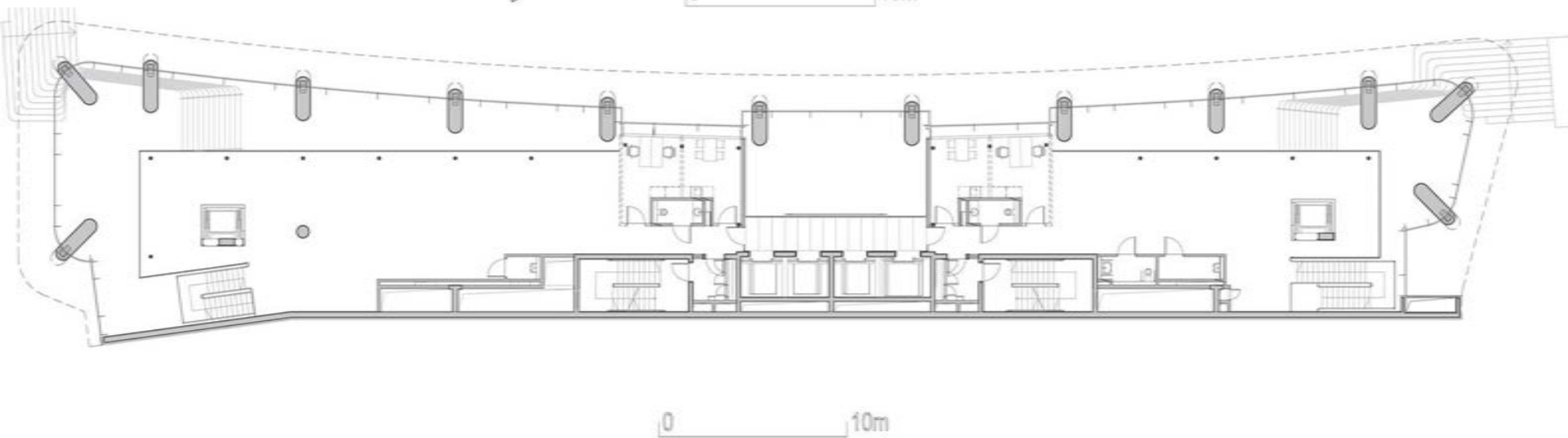
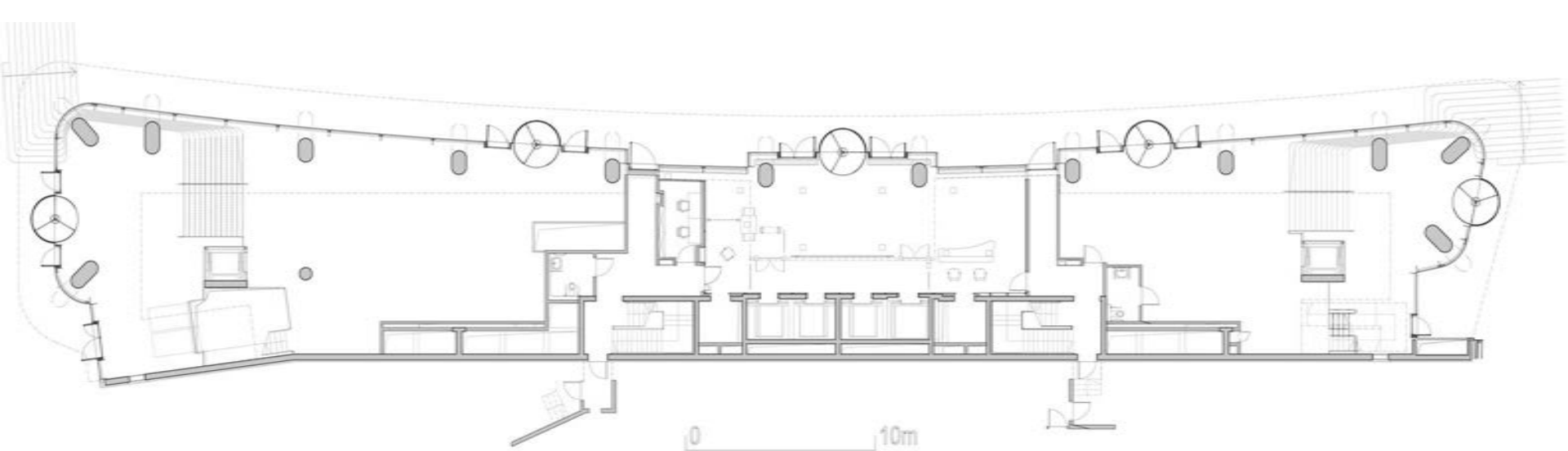
Warsaw, Poland

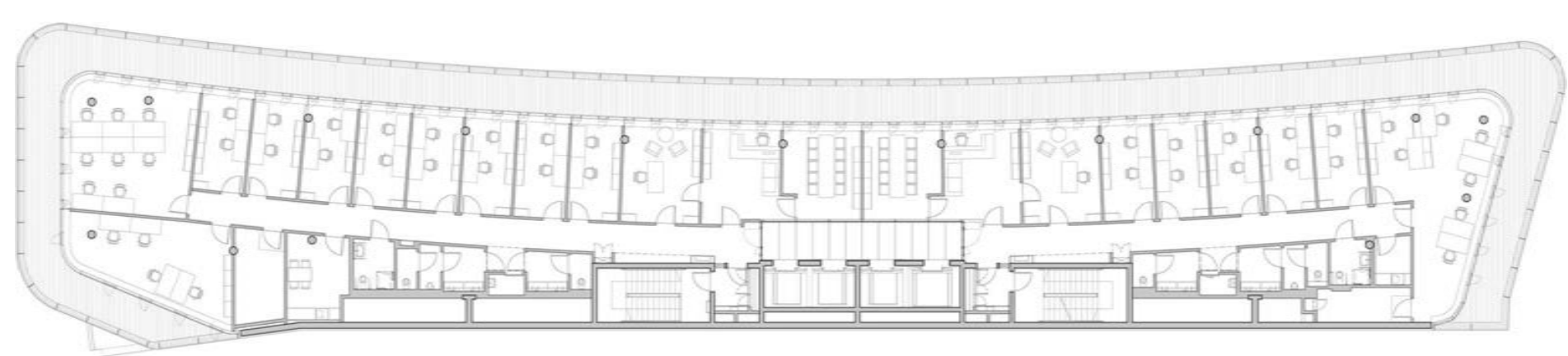
2015



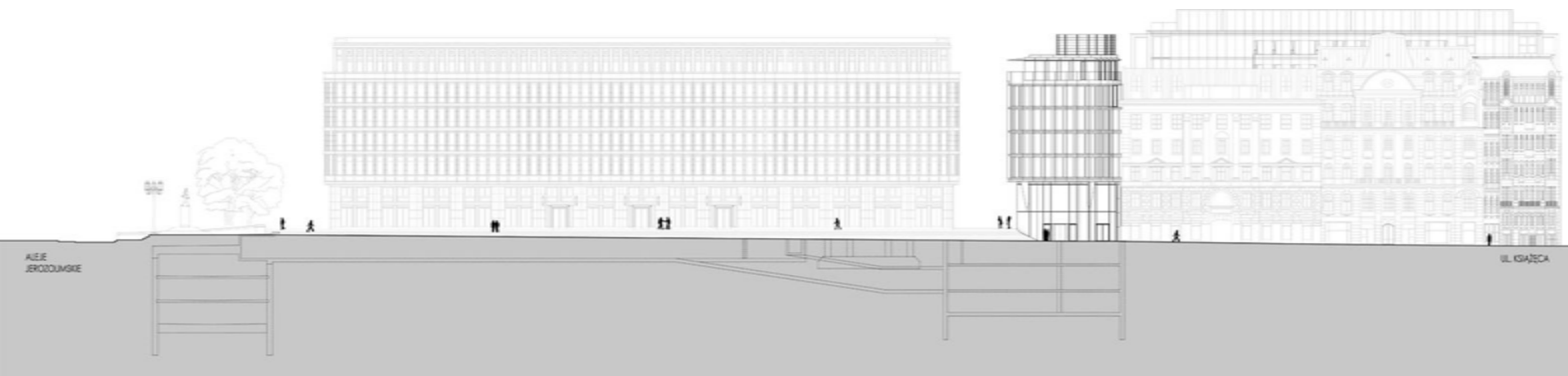








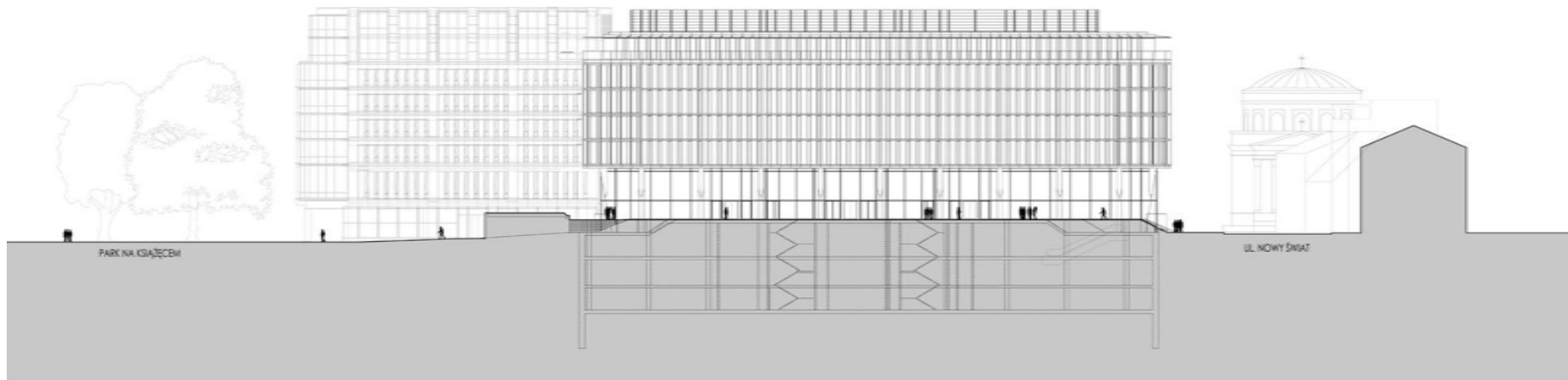
0 10m



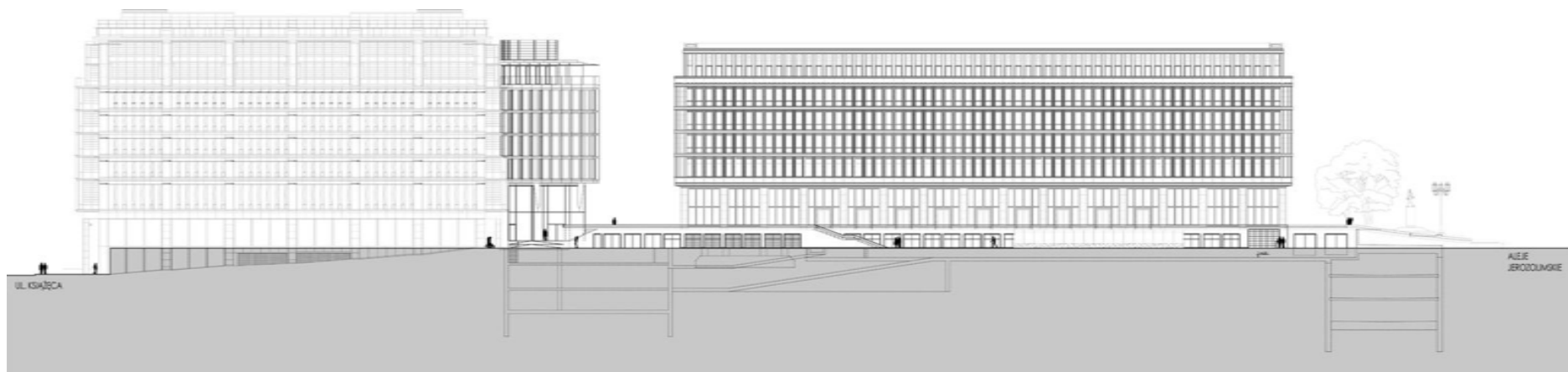
ULJE
JEROZOLIMSKE

UL. KVAJEČKA

0 10 20m



0 10 20m



0 10 20m



Thank You !

Bibliography

<http://www.plparchitecture.com/the-edge.html>

https://www.architectmagazine.com/project-gallery/the-edge_1

https://www.cdbb.cam.ac.uk/system/files/documents/TheEdge_Paper_LOW1.pdf

<https://www.buildup.eu/en/practices/cases/edge-amsterdam-office-building-highest-breeam-score-date>

<https://www.archdaily.com/873203/office-and-retail-building-nowy-swiat-amc-nil-andrzej-m-choldzynski>

<http://nowa.amcholdzynski.pl/>