



## Geographical Context.

This map demonstrates how the construction of the Øresund Bridge created new socio-economic links between Malmö and Copenhagen. The construction of the Copenhagen Transit System further allowed for citizens to commute to and from downtown Copenhagen, Ørestad, Malmö and Copenhagen Airport.

- Post WWII, suburbanization increased in Copenhagen
- Ørestad became the center of discussion for new development outside the city center
- Loss of manual industrial jobs due to technological advancements



- Financial crisis was mitigated by governmental grants
- Housing Policies changed to favor middle and high income housholds
- Urban development was used to achieve a service-based post-industrial economy



- Metro system bacame available in Ørestad connecting the inner city to Ørestad, Copenhagen Airport and Malmö, Sweden
- Merger of Ørestad
  Development Corporation and
  the Port of Copenhagen resulted
  in CPH City & Port Development
  Corporation

60s

70s

80s

90s

00s



- Oil Crisis caused an increase in unimployment rates
- National decentralization policy caused smaller governmental entities to govern



- Social housing development stopped
- Planning for the Copenhagen expansion project in the city. Metro system was established
- Ørestad Development Corporation was created by the state of Denmark to revitalize what was formerly Danish military land
- Land was being sold by the municipality to private investors to finance the public transit expansion project in the city.
- Incentive to public institutions to develop new headquarters in Ørestad
- Debt for Ørestad
   Development reaches 1 Billion

Ørestad's Timeline 1960 - 2007.



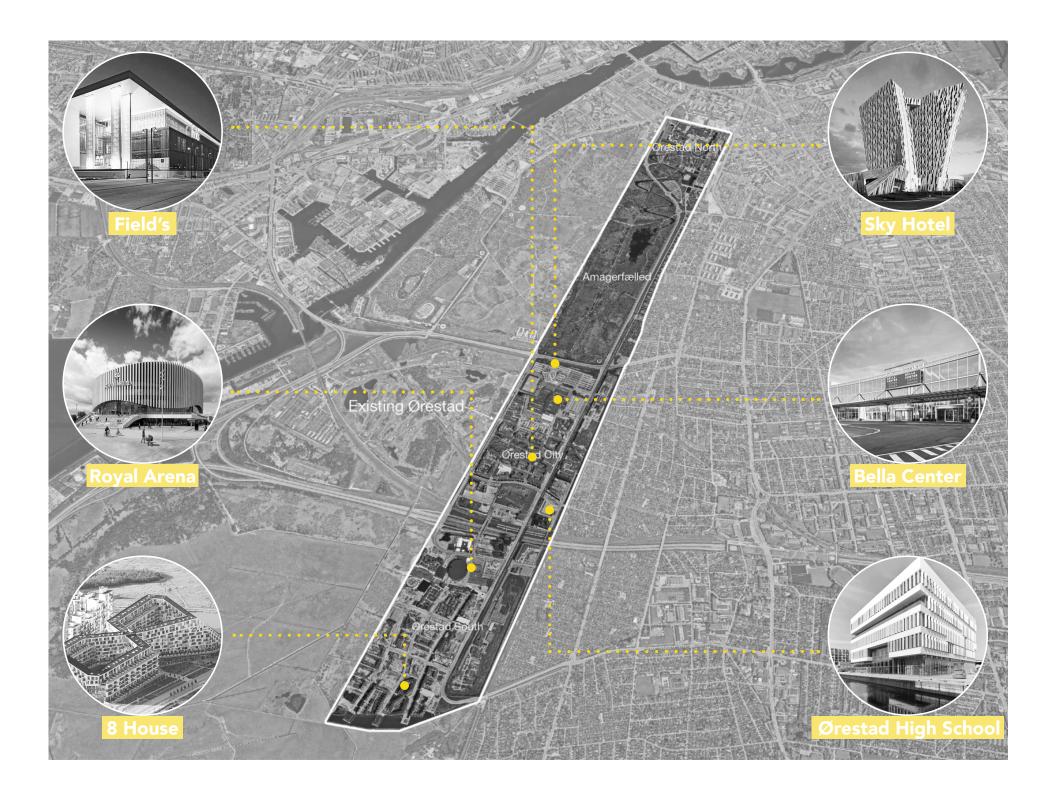








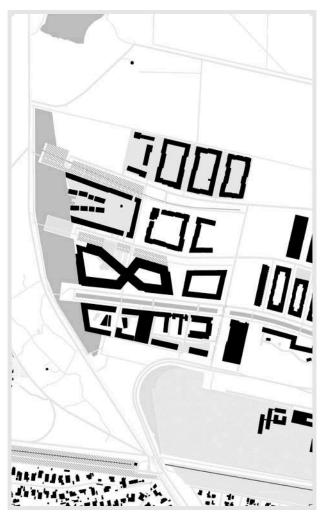




Copenhagen - Ørsteds Park



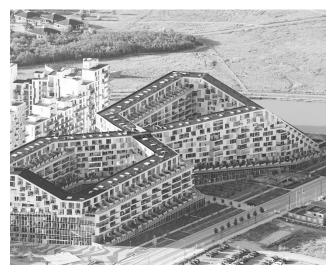
Ørestad South, Copenhagen



**Paris - Square Boucicaut** 



Perimeter Block Typologies



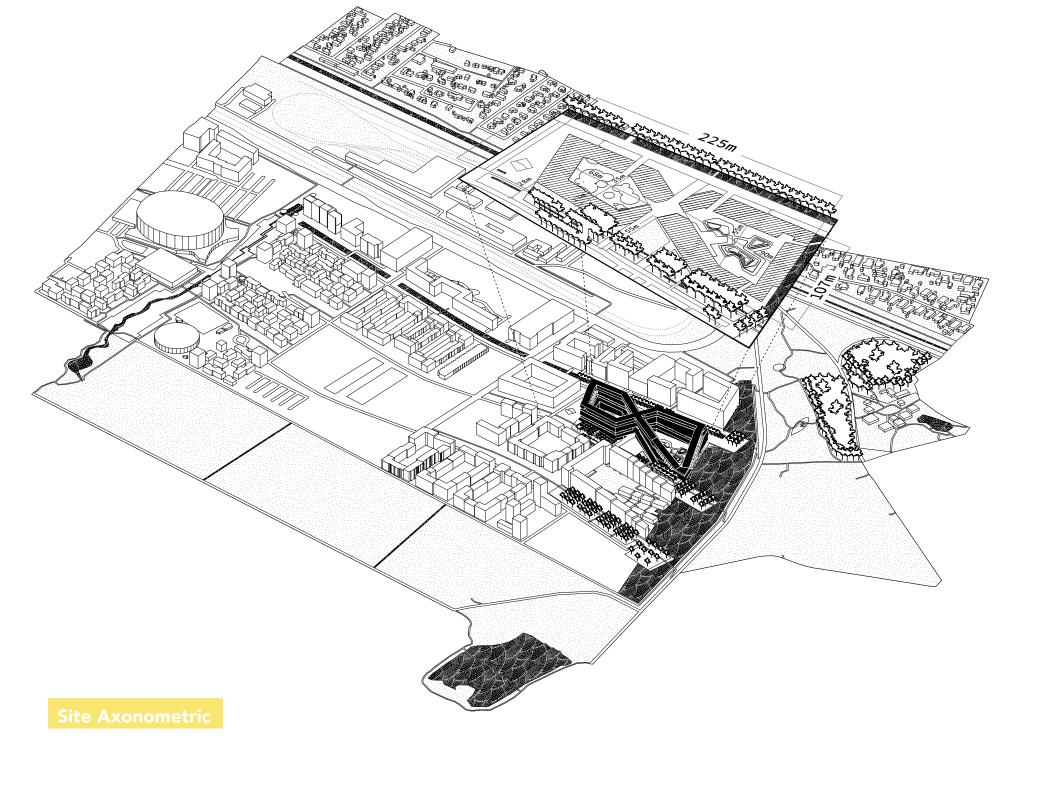


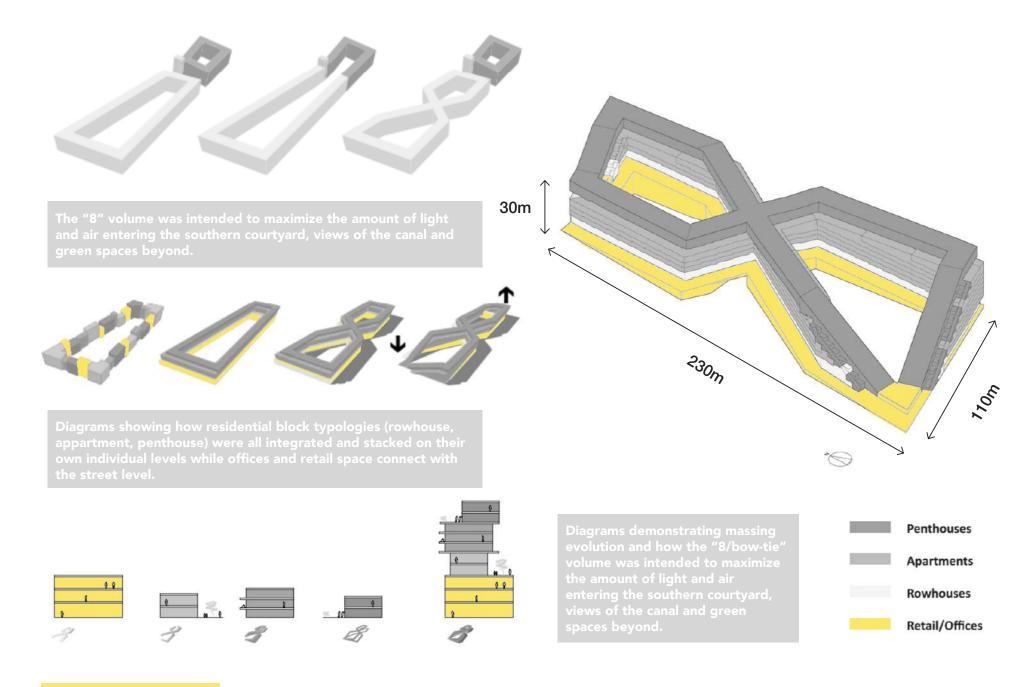




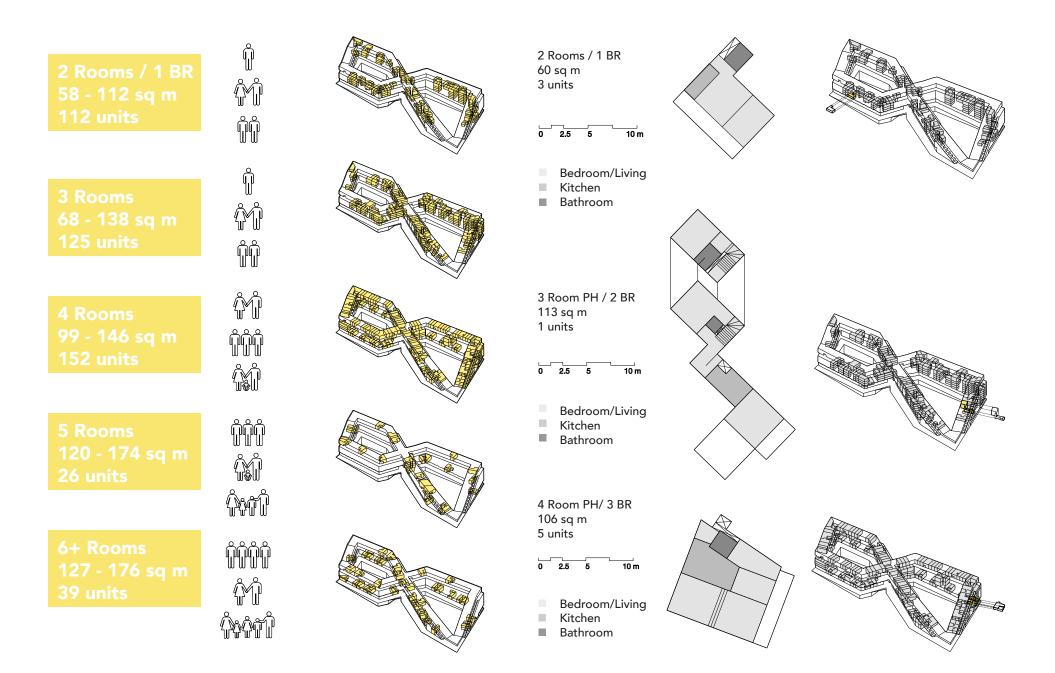


Site Photos



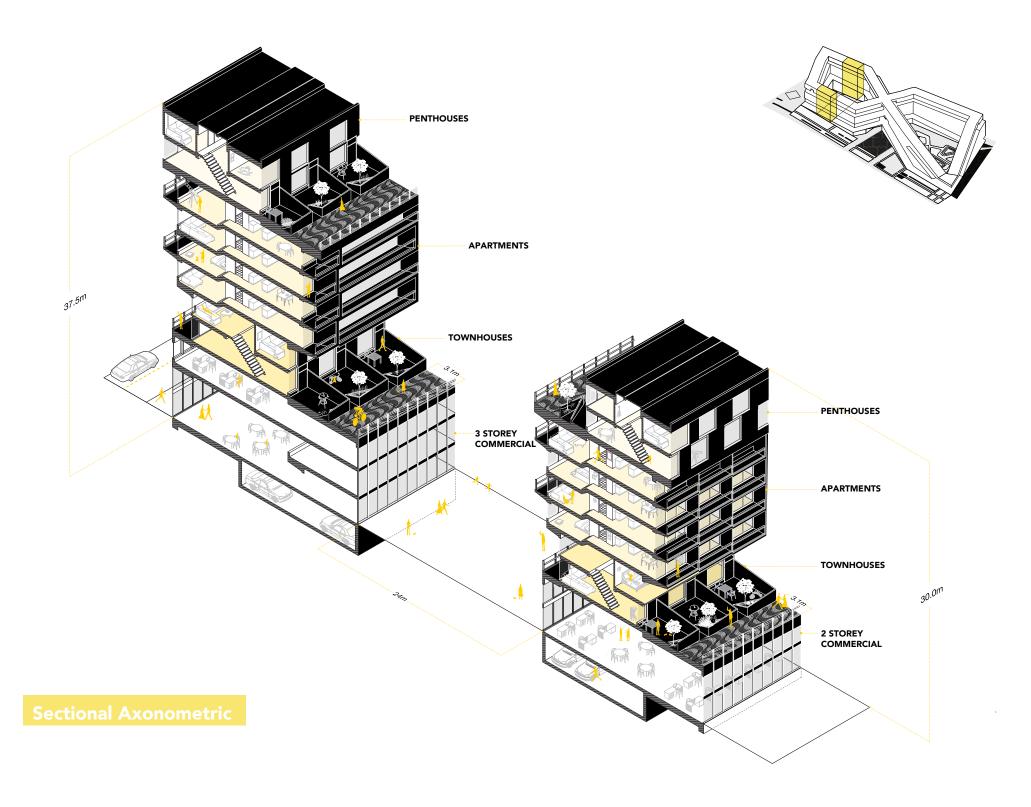


**Massing Analysis** 



# **Residential Unit Types**

Source: Urban Intensities by Peter G. Rowe & Har Ye Kan According to the architect's website, there are more than 80 different types of dwelling unit variations ranging from studio to 6-bedroom (58 m² to 176 m²)





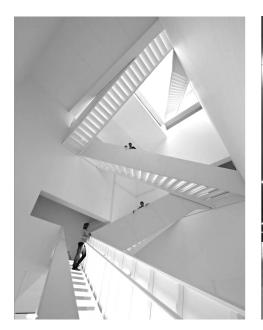


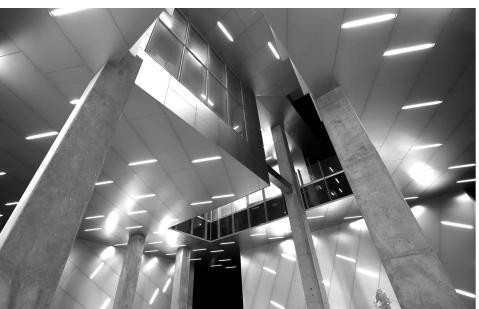




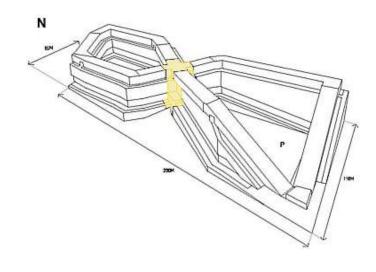
#### **Facades**

The 8 House truly wears its heart on its sleeve when it comes to its program and facade. The facade exemplifies the layering of programs (Retail, Office, and Residential) as imagined by Bjarke Ingels. The detailed facade implies the richness of these typologies. The residential units above benefit from the surrounding views, sunlight, and fresh air, while retail and office layers merge with life on the street.









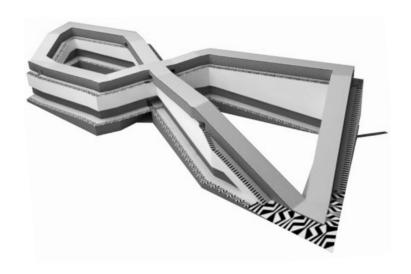
#### **Central Knot**

The building's figure eight or bow-tie form creates two courtyard spaces. Where the eight/bow-tie intersects, BIG packed 500 m2 of communal spaces and facilities, such as meeting rooms, canteen for parties, kitchen, outdoor spaces, barbecues, etc. This central point of connection is often referred to as "the knot" and is additionally meant to facilitate pedestrian access between bordering streets and courtyards. This space is clad in aluminum gold composite to distinguish itself as a communal - different - space within the block.



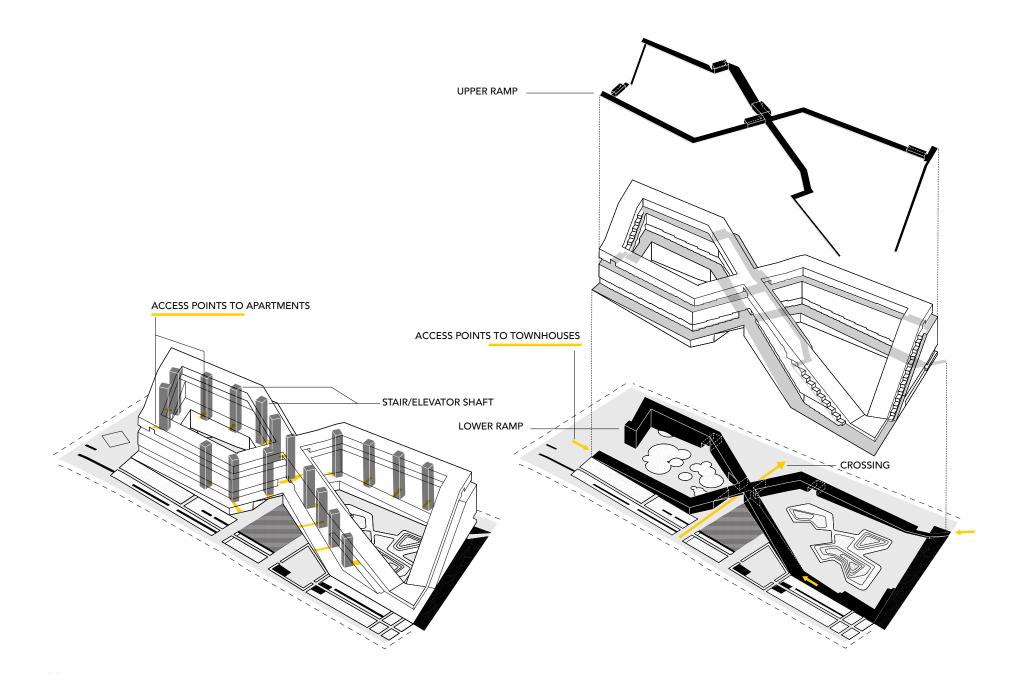






# **Cycling Paths**

The public path was imagined as an elevated street that would canvas the entirety of the building. It was designed with the cyclist in mind, thus it is wide enough to accommodate both pedestrian and cycling traffic. This path starts at the street level and continues all the way up to the uppermost penthouses level.



Circulation Axonometric









## **Green Roof**

The green roof is an important aspect for the 8 House, not only because it reduces the urban heat island effect, lowering heating and cooling costs, but also it contributes to the building's identity by means of reconnecting it to the adjacent farmlands. The 8 House features two sloping green roofs totalling 1700 m2 and offers views towards the Copenhagen Canal and over Kalvebod Fælled's protected open spaces. The green roof includes a built-in irrigation system which allows for rainwater to be collected and repurposed through a stormwater management system.

- Ørestad, as it stands today, is the product of the laissez-faire, internalised and market facilitative policies of the ODC, the private developers and market-oriented forces, the financial crisis and the attempts to recover from it.
- Because of the scale of the plan and driven by the need for high profits, the Ørestad project developed in a top-down and non-participatory way. This while Denmark traditionally has a strongly present civil society and participatory local government system.
- The fragmented urban fabric is vast and compiled by public spaces of poor quality. The unequal balance within the public-private alliance caused an incoherent urban morphology in Ørestad.
- Ørestad is dominated by buildings which have been designed in isolation from each other. Many of the buildings that have been built by private developers have an inward orientation and do not connect to the passer-by on the street.



**Ørestad Today** 

https://www.tandfonline.com/doi/full/10.1080/14649357.2014.935610? scroll=top&needAccess=true&instName=University+of+Toronto

https://www.tandfonline.com/doi/full/10.1080/09654313.2015.1014780?scroll=top&needAccess=true

https://books.google.ca/books?hl=en&lr=&id=JHFWj687-6IC&oi=fnd&pg=PA91&dq=ørestad+development+politics&ots=rMif9tnP-C&sig=Tks7p-l6Eo6p2EkegzNiSTkjyiE#v=snippet&q=tax&f=false

https://www.brookings.edu/wp-content/uploads/2017/05/csi\_20170601\_copenhagen\_port\_paper.pdf

https://www.bloomberg.com/news/articles/2012-08-30/why-has-scandinavia-s-biggest-development-project-abandoned-its-master-plan

https://en.wikipedia.org/wiki/Ørestad\_Development\_Corporation

https://en.wikipedia.org/wiki/Ørestad#cite\_note-tandfonline.com-2

https://failedarchitecture.com/the-story-behind-the-failure-copenhagens-business-district-orestad/

https://www.greenroofs.com/projects/8-house-8-tallet/

https://static1.squarespace.com/static/5313b826e4b02a8d25126c66/t/552b170ee4b038398d450633/1428887310260/89553-85320+-+Jack+Rasmussen+-+Feb+28%2C+2015+752+AM+-+A4+JRRasmussen+02-282015.pdf

https://www.youtube.com/watch?v=YUl

https://www.degruyter.com/view/title/301408

https://www.insidescandinavianbusiness.com/article.php?id=104W