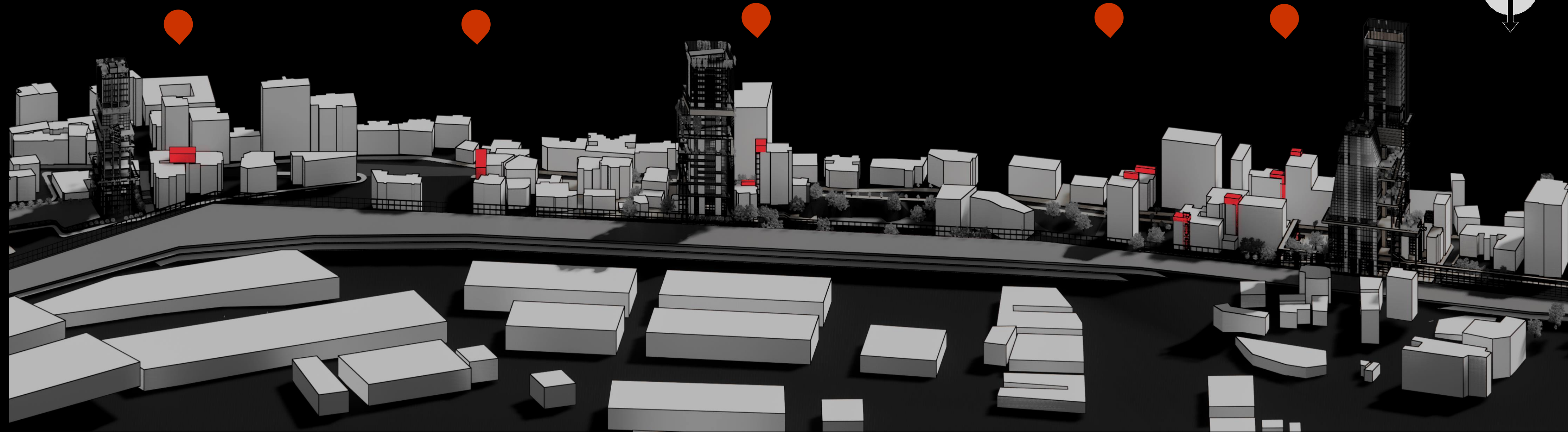


Neo Deirut

ANCHORED IN SUSTAINABILITY



PARASITES, TOWARDS A NEW DIGESTION SYSTEM



Parasitic Urbanism can not only transform the city into a free-wasted-food city but also showing how trash does not need to be seen as negative.



Sustainability Section

A new system of waste management is generated throughout the whole neighborhood, comprising *three aspects of sustainability:*

First, **a street-waste collection system**, concentrated in the towers ground levels and a recycling plant located in the Charles El Helou Station.

Second, **a waste to energy system implemented in the individual towers and also applied to the clusters in the neighborhood**. Energy is generated in the waste transformer from the waste generated in the buildings and the street waste collected from the neighborhood. Additionally, a Power Nest generates electricity from wind and solar power, to guarantee regular provision of sustainable energy in the three towers.

Third, **a water collection system on the two scales of the neighborhood and the building**. On the **neighborhood scale**, it is to be collected in the special rainwater sewage, and on the **building scale**, rainwater and grey water are harvested/collected in the building basement, to be reused for food production and other processes around the building. Black water from the residential units and neighborhood is transformed into power in the waste to energy plant.

GRID SYSTEM: ENHANCED FOR DURABILITY

On the northern side, the grid become the ELEVATION.

A Chimney effect is generated by creating vertical openings higher than nine meters.

THE GRID is offset from the building (Two meters) to protect the residential units and offices from the harsh southern rays. Sometimes fully open and houses a semi-exterior garden for people to grow their own food

In the case of the greenhouses, it houses a reflective surface, to invite the maximum of light inside.

