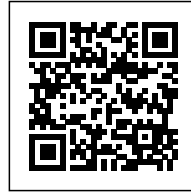




WIND TOWER: VERTICAL HOUSING

Posted on January 28, 2019 by martabuges



Categories: [AGi architects](#), [High Density](#), [Project](#), [Territory and mobility](#), [Urban Paradigms](#)

Tags: [Collective housing](#), [Courtyard](#), [Design](#), [development](#), [Façade](#), [High-rise](#), [Housing](#), [Kuwait](#), [Light](#), [Local techniques](#), [Passive ventilation](#), [Project](#), [Rooftop](#), [Salmiya](#), [Tower](#), [urban](#)

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>

Wafra Vertical Housing introduces a new concept in urban living that adapts to the evolving lifestyle of 21st-century Kuwait. Considering the increasing demand for land in the city, the transformation of single-family dwelling typologies becomes a must, where tenants should be able to enjoy privacy as well as benefit from vertical solution amenities and prime locations.



Understanding and reinterpreting local environmental techniques is one of the main targets of this design. The services core of the building is thus located on the southern wing, in order to minimize sun exposure and consequently reduce energy consumption, acting as a thermal barrier to the rest

ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>

of the building. Hence, minimum openings are placed on the aforementioned façade, while, on the other hand, the building opens to the north, facing the sea and enjoying its privileged views.



ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>



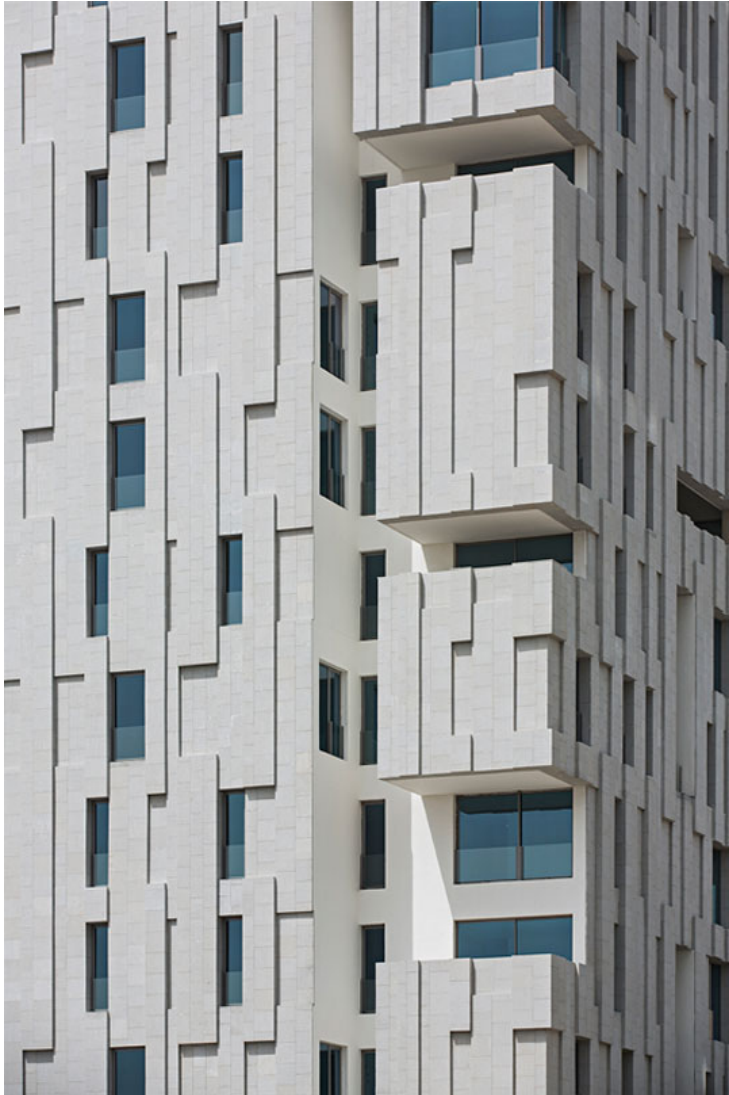
Optimal opportunities for natural lighting and cross ventilation also become an essential driving force for the design, which give the tower its character and determine its final orientation. Taking the

ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>

idea of the traditional Middle Eastern courtyard typology and developing it volumetrically, the initial concept flourishes in the form of the tower. The courtyard is no longer constrained to the core of the building; instead, it borrows light and ventilation from the façade and funnels it through the pool area. Then it flows through all levels, finding its way out through the opposite façade.



ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>



Granite stone is chosen for the façade, in order to give the tower an aspect of a monolithic sculpture

ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>

that has been carved by the wind, in contrast with the smooth surfaces of the interior courtyard that are rendered in white plaster.



ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>



Functionally and geometrically, the tower is raised on a plinth that comprises two levels, where the common areas – including a swimming pool and gym area – are located. The apartments rise up organically and allow for light and ventilation to penetrate through. The full tower height is 13 levels, where 12 duplex apartments are piled in order to preserve privacy. An extra penthouse crowns the building, including rooftop gardens and terraces.

ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>



ISSN : 2575-5374

urbanNext Lexicon

Wind Tower: Vertical Housing
<https://urbannext.net/wind-tower/>

ISSN : 2575-5374