

BIG to design a Sustainable Skyscraper in Shenzhen, China.

Written by BIG

Tuesday, 08 September 2009 14:04 - Last Updated Saturday, 21 November 2009 10:51

BIG, in collaboration with ARUP and Transsolar, was awarded first-prize in an international competition to design Shenzhen International Energy Mansion, the regional headquarters for the Shenzhen Energy Company.



The purpose of the international design competition was to find a sustainable and efficient solution for the Shenzhen Energy Company office headquarters. Located in the centre of Shenzhen, the 96,000 square meter project will be integrated with the surrounding environment and designed to withstand the tropical climate of the city. BIG's winning proposal was selected by the jury experts from Shenzhen Municipal Planning Bureau chaired by Alejandro Zaera-Polo and client representatives.

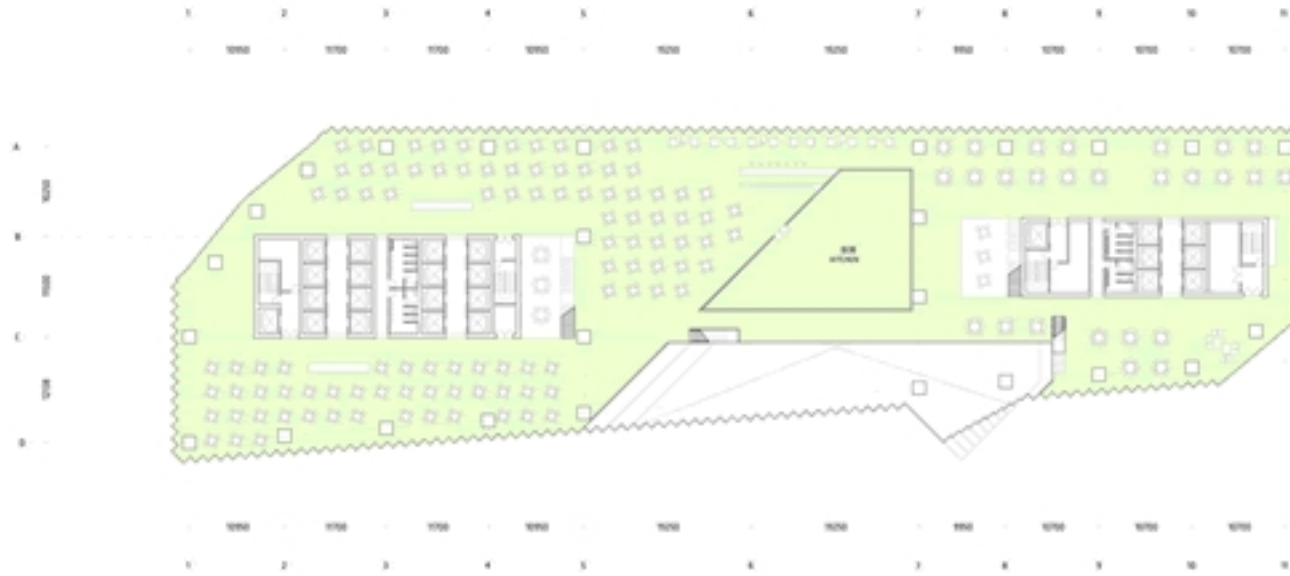
The headquarters rises 200 meters creating a new landmark visible from the highway in the cultural, political and business center of Shenzhen. BIG envisions combining a practical and efficient floor plan layout with a sustainable façade that both, passively and actively reduce the energy consumption of the building. The façade is conceived as a folded skin that shades the office complex from direct sunlight and integrates solar thermal panels, reducing the overall energy consumption of the building.

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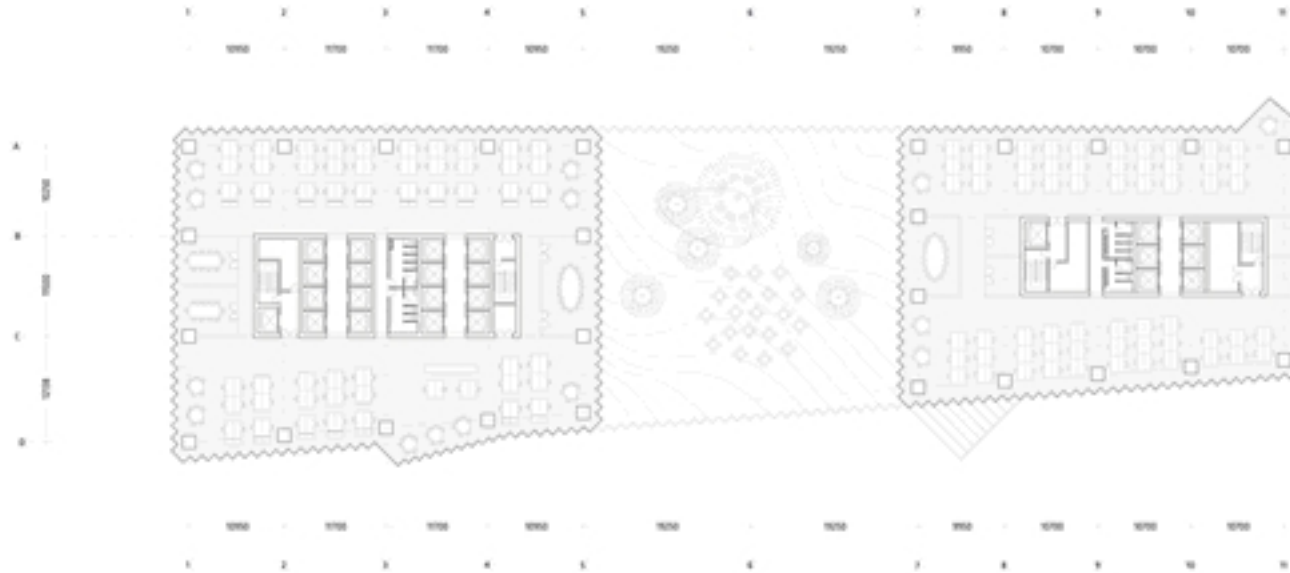
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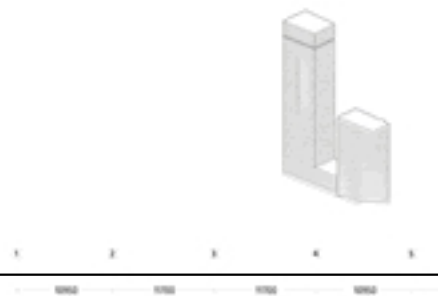
LEVEL 4
+15.00 M
CANTINAS
餐厅



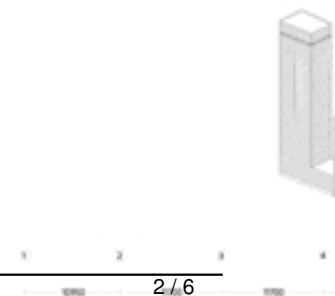
LEVEL 20
86.00 M
RENTABLE OFFICE FLOOR
外租办公室



LEVEL 41
+178.40 M
EXECUTIVE FLOOR
执行委员办公室



LEVEL 42
+182.80 M
EXECUTIVE FLOOR
执行委员办公室



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