

PROJECT VERTICAL CAMPUS

TYPE

COMPETITION

LOCATION

LOS ANGELES, CA

DATE

2010

Los Angeles has everything, but takes advantage of little. Its towers, its streets, its people all exist disengaged from the beauty and moderation of its natural surrounds. This project reunites the current condition back to its surroundings. It serves as an island, woven into a troubled fabric. Self-sufficient in energy, community, programmatic functions and ecologically, the building is a mast against which the city can grow. The Vertical Campus incorporates mixed-use residential, commercial, garden, and civic spaces with a major transportation hub and diverse energy generation infrastructures. Spanning over the heavily channeled LA River, the base of the building folds infrastructure of hydroelectric energy generation into the circulation paths [pedestrian, bike, vehicular, bus, subway, train] and community programs threading and interlocking with the neighboring context. It bridges physical and social barriers through a spatial and programmatic reconnection reuniting through multi-level connections of residential, commercial, and community. The technology of nature and the intrinsic ecosystems that exist so readily in the Mediterranean climate of Los Angeles, allows for the collaboration of man and nature to produce a comprehensive ecosystem through the variable layers of the Vertical Campus.



PROJECT VERTICAL CAMPUS



SUSTAINABLE COMMUNITIES THROUGH VERTICAL DENSITY

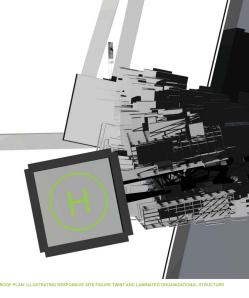
Los Angleis has everything, but takes advantage of tilte. Its twens, its streets, its people all-cist disengaged from the beauty and moderation of its natural surrounds. Instead they subscribe to generic urbanism, generic building typologies, and generic approaches to urbanization. The op-portunity for climate, topography, context, and natural amenity to engage the city is mised. This project numbes the current conticito heaks to its surroundings. It serves as an its admit, vorous not as building is a mast against which the city can grow.

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The Vertical Campus is a superimposition of ther-related systems. The Vertical Campus incorporate model of the superimposition of the related systems. The Vertical Campus incorporates meta-user residential, commercial, parket, and cive spaces with a major transportation hub and diverse energy generation infrastructures. Emerging from the fabric of the horizontal city, they pull vertically, re-orienting to engage climate, community, and context. Rescaling this segment of urban fabric toward the human experience the towar engages urbanity, the river and the localities of urban habito toward the human experience the toware engages urbanity, the river and the localities of urban tables, to be seen community programs threading and the localities of the horizontal city, they with the neighborhood encourging a link between the vertical density of downtown and the surrounding mainourished residential zones through a more predestiman and public seperience the horizon threading and interlocking context. This project seeks a balance within its neighborhood encourging a link between the vertical density of downtown and the surrounding mainourished residential zones through null-level comments, brudge must be applied and programmatic reconnection related humon multiper programmatic delexitential context. The Vertical Campus was designed with the neighborhood encourging a time to the sub-toroal to mentily through and the sub-toroal mentility thread vertical extends an interlocivity and growt thread residential connections of relations and encourse relationship of the sub-toroal humon entities with a gravitate sense of scale, place and community in a vertical campa.

Inguranui: Through the mixing of two diverse neighborhoods and classes of the city, the tower serves as a stich pulling the edges of the river back together. The new bridge for the city is a living one. The impregnation of the tower with the responsibilities of density, function and community, but also en-ergy production define an independence and social power to the tower. Sustainable technologies deployed include. If yim di turines for capturing the ocean hereess; [2] // hydrelectric turbines for harmssing and damming the LA river (allowing for runoff water reclamation for impairion as wells as electric algae energy walls) and horizonal [productive exceptable and flower] gardems, [4] primivater collection systems that when fittered by plants and solis and then generates oxygen and hydrogen panel valis that produce electricity [Investing and rotating to enarge the dominant signifies], the tower induction effects on the surface purfies the water], and [5] solar panel valis that produce electricity [Investing and rotating to enarge the dominant signifies], the tower induction effects (Investing in the city), a place of historic energy consumption.

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ements ach of the layers was systematized - developing a series of rules that optimize and self-organizing th functionally and formally. The aggregation of these systems then generated a series of inter-ring moments for interdependency and lateral optimization. The collective aggregation unifies the commitments of energy, society, and function. The propose intervention is a system with the disvision components.

