



SUNTOWER | YANTALOHNA | OPENAROHTECTURE

Star Power

Tracking the position of the sun, a waterfront "lighthouse" has become a local attraction.

BY DANTE A. CIAMPAGLIA PHOTOGRAPHY BY IMAN BAAN

DURING THE REIGN of Ming-dynasy empeore Hongwa, in 1998, a series of smole-signal watchtowers were consensed on the fills of Chair Sena-dong Patinach to warm of pinners and raiden. The lookents were cilid yas tai. More than 600 years lane, in the north-easters (or pin to takes its rame from those long-ago beasons, a new structure has energed—ene as a determed but as an invitation to nature, to education, to community.

an invitations to nature, to education, to community.

Sun Tawert, designed by Oyen Architecture, standa slong Yamat's Behal Boy explanade like the weathered shell of a giant mobiled. One headered sixty-four feer tall and explaily wide at its base, its casted control slope, created from poured-in place whice concress—smooth formwork conside, rougher based form.

inside—seems to have had its front half sheared off. From the plans, every layer of its cultural program is wishlife a small amphibheaus on the base, followed by gallery servaces, then a thraye, and finally, at its summel; what architers I, I He and House Woodjang cell a "phenomena space" for mediation and rellection. The amphitheaus with the single description of the shearest six incide the structure's inner shell; its outer than is perched through with pill—and port-fule shaped openhile and found violates. Filling the interactic between them are successful which have been the area of the which which have those that copture unadjuly and beaming physical and digital exhibitions, plus light takes that copture unadjuly and beaming into so and out of the bedding, A third inversed shell, containing the litherty, out may be emphibitioner shell.

San Tower's channel to not as a glast



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sendial. Studens cast by the building full on sundial. Studenes cast by the building (tall on six circles embedded in los plaza, mudicing the bours from 10 a.m. to 3 p.m. during the spring and surema equitous. Indeed, the site is bound together by son and time. "The outdoor the-ster is activated exactly to the sunrise of the summer soletion," Li says. "There is also a tunnel that points toward the sunset of the winter solution. For the spring and full equiwinter solution. For the spring and full opti-nos, it costs a shallow except slong one line on the plant. And, with Yunrai located so far east, Sun Tower is a prime spot to see the delly attributes and command with the region's his-tory of sun wordsig. Work on the project began in 2020, and, when Sun Tower opened to the public this Cytobes, it became an insuran landarsaft and social media sensation, a building that gave a bargeoring section of Yuntai is monument.

NATURE is at the core, from the open air "phenomena" space (npposite) and the rippling library onling (off) to the theater amplifying ocean sounds (opposite, bottom).

social media sensation, a building that gave a burguoring section of Visatia is monument and identity. This was by design. The local government approached Open about build-lang on the size in 2018, after seeing the publi-cation of its Chupel of South in Chengde (account, Devember 2021). Open was given a (account, December 2020). Open was given a wide erest for appearathing the six, which is bruckered by the occus on one side and a stand of trees buffering new urban developments on the other. Li consenders the client's utiling them, "Makes something substantial." "His new district with very few celtural buildings," Housey usy, "Refere Sun Tower, the only thing for people to see was a suchparer of a loarly whale suck in the sand. We

proposed an interesting building that sho provides needed facilities." The result is a structure that's viscally striking and expands Open's practice of creating performance and visual arts spaces that medium the creativity of man and nature, like Chapel of Sound and the UCCA Dune Art Moseum in Qinhuang-dan (natoms, December 2018).

The building sits on a plinth about 18 feet above the beach and 33 feet above sea level, offering protection from rising waters. But, beginning at the plaza, there are con-stant reminders of nature. Fountilins on the outer edge are timed to tidal movements, the amphibeater's near wall captures and amphibeater's near wall captures and amplifies the sound of the ocean. The inte-rior galleries, which include projectors and they definition 4K enouthors, are treated as a "big data reaseurs," Li stys, that's "more digital than physical," and then more adapt-able. Except for the call, which is open year escard, and the library, everything is escoled through natural ventilation. Exchaving all roanditioning, with the global climate crisis in mind, gave the client passe. But Open wild them on the libration passes, the Open wild them on the libration of the stream o concept. Frops anotas for the Schmidt, change, and the temperature difference between sensons, Lt says. But you will not feel misorable. Sun Tower's concrete acts as an additional climate control, absorbing heat from the sun and dispersing it stroughout. This is especially beneficial on colder days, as are the radiant beaters installed in the floors, just in case.

On the level above the exhibition space,

the library is stocked with large touch screen displays and texts focused on ecology. Its rippled, blackened strinless-strel ceiling, which is visible from the plans, abstractly sellicets the ocean conside. Above the library is the su-called "phenomena space," a quiet spot with a central oculus open to the ele-ments and a branze-bowled pond that serves as another timepiece, circulating water for nine minutes on the hour, from 5 a.m. to

nine minutes on the host, from 5 n.m. to 5 p.m., every day.

There is no one aspect of Sun Tower that dominates another, each component relationship to the forcing and supporting the other—arrannally, programmatically, experientially it's an inveiling space that locals have embassed, packing the plaza for performances, playing in the Sounties, and making predawn pilegionages to worth the survive. And it delivers on in brief, providing whis developing section of Vantai its beacon.

Credits
ARCHTECTE Djen Architecture — (J. Ha, Hasing Wening, principate in charge, Cao Mengering, Lie Xinopang, Djenoya Nakayama, Usa Cai, Wen Pine, Zheo, Zhang Ziyao, Lin-Jingran, Crystal Akasa, B. Sharpe, Causan Ziyao, Lin-Jingran, Crystal Akasa, B. Sharpe, Causan Ziyao, Anastissas Massices, Coljiro Hasinyama, Wang Dongshong, Lu Quant, Engal Janhan, polypoth Base.

ARCHITECT OF RECORD:

Shandong Pataen Engineering Design ENGINEER: Anap-(shructural, m/w/g) COMSULTANTS: Ning Field Lighting Design (lighting), Institute of Building Fineproof System (partial Fineproof design), dLCMS science (archibition), Air of New York (archibition).

GENERAL CONTRACTOR: China Construction Eighth Engineering Division CLIENT: YEDA City Development Group

COST: withheld COMPLETION DATE: September 2024



