social design
urban neighborhood remediation, Bandung, Indonesia

main author
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project data
context architecture, building and civil engineering
client habitat for humanity Indonesia
background public commission
planned start January 2016

Summary and appraisal by the jury
The jury greatly appreciates the efforts undertaken by the group of young designers to improve the quality of informal settlements in Indonesia. Particularly valued is the project’s vision to conceive of sanitation concurrently as an architectural, urban and a social project. Infrastructure design is viewed in terms of its physical and societal impact, improving the environment while improving community relations.

Sustainability concept
People: The project expands the definition of sustainability beyond ecological terms into the area of social sustainability. By engaging the involvement of inhabitants, they have increased awareness of how better hygiene improves their quality of life. Improvement of Bukit Jarian and other marginalized areas depend on the provision of basic services, equal resource distribution, adequate social infrastructure, and programs – needs which have conventionally been ignored. The project provides necessary sanitation system infrastructure and public spaces in the overly-dense fabric in the form of a dynamic and productive zone.

Progress: This comprehensive system of sanitation infrastructure, public space and services, active and passive building technologies, and productivity through regional approach is a conceptual framework that can be utilized to address other severe riverside housing and similarly challenging topography, both within Bukit Jarian and globally. The project serves as a catalyst that encourages new uses in the surrounding areas. The agriculture encourages a new micro-economy and replaces the abandoned riverside to public esplanade and greenery.

Planet: The aim of the project is also to restore the deteriorative environment along the riverside. Water that was once a danger is now a resource. Wetlands filter the water through the site, which can be used for irrigation in urban agriculture and gray-water applications filtered through several processes of filtration. Building itself doesn’t tread on greenery, it is floating and framing on greenery and river to reduce footprint also creating a vista from upper level of dense fabric.

Prosperity: The long-term prospect is the priceless educational impact for inhabitants through a learning center that is assisted by local government. This project also serves as a catalyst that encourages new uses in the surrounding areas. The agriculture encourages a new micro-economy and replaces the abandoned riverside to public esplanade and greenery.

Place: The site is fundamentally transformed from an inaccessible and irresponsible landfill along the riverside into a desirable and productive space. The building adapts Indonesian architecture that shows through tropical climate typology combined with the usage of concrete as well. It is a dynamic node of public space with both fixed and flexible programs.

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