

Arouse—Rebirth----Renovation Design of the Old Hanyang Special Automobile Factory

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Key words: Hanyang Special Automobile Factory; Arouse and Rebirth; Renovation Design; Creative Park;

Abstract This design will reform the old Hanyang Special automobile factory into a multi-function creative park and try to discover how to reform old factory in order to make it contain its values in economic, society and culture. This design plan will work through the demands of human, society and city. Try to find the function define and combine old factory with modern society and make this old factory contributes to society. Combine history and modern space to create the new place which suits the new society. Use landscape design with interior design to create the functions and structures of it.

Significance of the Old HSAF's Renovation

Many crippled factories lose sense, become visual pollution and even harm economical environment during the process of city development. With the improved need of life quality, people are gradually aware that it's more and more important to renovate old factories to gain harmony with the environment. This condition ask designers to emphasize on combination of ecological and artistic, create the landscape that accommodate to modern society, high-level artistic, and mix principals and techniques of ecological. Think and study this design may enhance practical value of landscape design and indoor design in the research and apply of old factories renovation.

Facing to Changjiang river on east, lying on Gui mountain on south, with Yue Lake in its west and the Han River is in the north. The localization of the old Hanyang Special Automobile Factory is under Jiangnan one bridge of Wuhan and near the Hanyang Maker creative industry garden. The Guqin Platform, Gushan TV tower and Qintai Theater create a special culture atmosphere. People stay in this steel made city day in and ay out. The boring and mechanical life contradict to people' persuing for change and passion which is important to human beings. At this time, people want a change which include histoty with modern and the memory of old days with the expect to the future. And this old factory provides a perfect opportunity for this change.

Philosophy of the old HSAF's Renovation Design

Background

With rapid development in Beijing, Shanghai, and Guangzhou, creative industry has started, constructed plentiful culture industrial base, and began to take shape in Wuhan. The development of Wuhan creative industry will be eternal source in advantage of many universities, talents, huge market and prospect.

Present Condition of the Old HSAF

The old HSAF has well reserved the main monument and boundary markers of the Hanyang made, who is like a weather-beaten old man under a sheet of sycamore trees. The height of it is between 10 and 20 meters, which presents the classical style of the last century. It has also stored hoists, machine tools, repaired cannons, tanks in old days, and etc. So many industrial heritages provides a ideal place to develop creative park and gives full play to art creation.

Keep completely reserved buildings and reliable structure for future renovation can save costs of reconstruction. Alternatively reserve mottled traces on the exterior walls may make people experience the historical context, recall the memory of the history and imagine history of the HSAF.

Value of the Old HSAF

History Value of the Old HSAF:

With glorious history, HSAF is full of wisdom of the ages so it's necessary to keep the part which can reflect historical culture. It's not enough however we also should renovate creatively. Only both keep and renovate can the old HSAF rebirth and regain charm.

Practical Value of the Old HSAF:

The layout of the old HSAF, which the first floor is red lacquered and the upper floors are style of last century, is popular in planned economic ages. Though these disobey modern use in function, tall space and hard structures of the buildings also have large value in use. To in accommodate with modern practical use, append new materials like glasses, steel and etc to original structure will mix history and modern society.

Landscape Value of the Old HSAF:

Except profound history and characteristic constructions, the old HSAF's a large area of flat grounds, which come from the need of transportation and exportation, have advantages of nature landscape in spite of they are already lost proper industrial function. Construct a new place with culture connotation and inherit the history at the same time.

Design Keys and Definition

The design is going to renovate the old HSAF on the theme of arouse and rebirth. Arouse means that present latent old factory and its history in a new way to realize value it has. Rebirth means that to create modern factories and integrate old factories to modern city by means of mixing history and modern space.

City is like a machine which is never stop. So many cities abandon old things and welcome new things or change the old things of the city. It is the time accumulation that a space forms. Therefore, what we can do is sublation, which means that we should protect historical culture during the process of renovating the city.

Design Innovation

Combining reasonable function of organization with landscape space, the design aims to characteristic creative park with taking site itself and landscape resources nearby into account. The innovations of the design are as follow:

(1) Put effort on design streetscape and entrance landscape of the creative park, emphasize on consistency of landscape axis, build a landscape space with the level of scattered wave, rich spatial levels, and proper size.

(2) Focus on landscape design among different factories, make leisure parts functionality, enhance practition of the landscape, and embody acosmia feeling and intimacy.

(3) Highlight art and culture atmosphere, combine history with modern space, form a special site that mix art, culture, ecological and entertainment.

Design Strategy

Append and Remove Old Thing

Keep some factories, industrial buildings and installations, containers, and green plants will bring the charm of manufacture after renovation. Renovate some factories: transform to sunlight room, container creativities, artistic workshop, theatre, gallery, art studio and etc on the basis of keeping original space. Part reserve: Abandon some old things like cannot reflect sense of time and space,

sense of history, interfere with entire effect. Keep industrial landscape as characteristic landscape like old-fashion train, track structure.

Structure reserve: Splendour modern art bring new thought to renovation of creative park. Industrial constructions will be materials and symbols of industry will be language. Reserve structures remind of industrial landscape of old days and make people imagine and memorize.

Apply New Things: Construction, Road, and Green

When old constructions cannot satisfy the need of modern function, it's time to use new elements to reflect life atmosphere. Append contemporary materials: add glass curtain wall, steel and etc in the design to imply the modernity. Reconstruct road: make roads more convenient, optimum connections among different function parts, and create a place with varied parts independently connectively.

Proper layout of green plants: combining with humanity, realize coordination between amount of green and landscape, and make green with the beautiful of ecological, artistic, scientific and culture. Create different landscapes for people with plants, and make them appreciate the landscape that is not only nature but more than nature. Provide circumstances and landscapes to people, and improve the value of the land scape.

Crisis of Old and New Things

Old things of reservation, new things of appending, the new factory will have a rich soul with historical culture and modernity. Renovate factories: keep original steel structure and ancient red bricks which reflect the traces of the history. Industries element symbols: extract industrial elements, and create new sculpts and signs to bring imparity element experience. Color use: as for single color use in the old factories, apply splendor color boldly, chose yellow and orange to make constructions stand out. On the basis of renovation, use comparison and crash between old and new things to produce unique time and sense of history and create different experience and usage space.

Benefit Analysis of the Old HSAF's Renovation

Economic Benefit

The renovation of the old HSAF can bring huge economic benefits. It will save costs of constructing, shorten time of planning, designing, and constructing, reduce risks, increase property value, and etc. on amount of the reason that it's not demolition and reconstruction but renovation.

Social Benefit

To some extent, the renovation of the old HSAF improves landscape environmental quality, and life and dwelling environment of nearby residents. It provides the contemporary youth, bourgeoisie and white-collar workers, and other culture stratus a place that is actually a leisure venue, where you can release human nature, experience freedom and relax for a while instead of falling in the depressed office and crowded traffic all the time.

In environmental protect view, there will inevitably be noise, air pollution, and construction waste in the process of the traditional removal. The renovation of the old HSAF can decrease environment pollution through the way of ecological renovation.

Culture Benefit

As one of the few old industrial architectural heritages, the hard man image of the old HSAF has been around. It is a witness of rich, creative, and multifarious of human culture, religion, and social, who has saw hard work of generations of the HSAF and rapid development of Wuhan in old days. Whatever buildings, sites, and structures, all of them are organic parts of city, what have significant effect for continuing of city's culture, it's better for us to cherish and inherit.

Conclusion

This design research how to combine history with modern space through the reformation of the old factory and create a special creativity garden. This garden needs to have its old special and also contains the characters of modern space. We did this design based on the consideration of the demand from human and society which take the environment and tourists' demands into consideration. Use environmental protection methods to reform this place can save resources and inspire the local create industry and all these come up with the people first theory. Using existing space to recreate landscape and construction to make the factory, become a special place which combines art, culture, environment and entertainment. Use the special landscape to create a sustainable and beautiful public landscape.

Arouse the slumber old factory and make its history in a new way. Need to create a new factory which links to modern society and modern city. Then the old factory will be alive again. While maintain parts of the construction, using integrate and in series way to satisfy the demands of new functions. This needed to add art, entertainment and creativity park in it and combine visual and multimedia elements to become a creativity park with lots of experiences and feelings.

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