

Exploring the Integration Design of Urban Sculpture Art and Environmental Space in the Context of Cultural and Creative Industries

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Abstract: The cultural construction of urban sculpture shows the spiritual connotation and cultural atmosphere of the city, which can reflect the cultural atmosphere and urban ethos of a city, and the inculcation of the cultural atmosphere of the city will play a subtle educational role for people. In the background of cultural and creative industries, the cultural and creative industries also have many practical opportunities and creative thinking based on the development of cultural construction around the city, and urban sculpture is the city cultural and creative industry's driving force and creativity, as well as an important carrier of urban culture. This paper gives an overview of urban sculpture art, and at the same time makes a general and specific analysis on the role of sculpture in the environment and space, and finally elaborates how to achieve the integration and development of both from different left and right aspects. **Keywords:** Cultural and Creative Industry; Urban Sculpture; Environmental Space; Integration

1. INTRODUCTION

1.1 Cultural and Creative Industries Background

Before starting to talk about the integration of urban sculpture art and environmental space design, there is no doubt that we have to introduce the background of cultural and creative industry. In the continuous development of cities, new vitality needs to be continuously injected, and cultural and creative industry is precisely an industry with high added value and high competitiveness, so in the process of urban renewal and development, cultural and creative industry is of great merit (Gustafsson & Lazzaro, 2021). Cultural and creative industries have a full impetus to urban development, which can not only inject new vitality into cities, but also rejuvenate urban buildings that have lost their vitality (Đukić, 2020). Cultural and creative industry is an emerging industry, as shown in Figure 1. Cultural creative industries mainly include creative groups in broadcasting, film and television, animation, audio and video, media, visual arts, performing arts, crafts and design, urban sculpture, environmental arts, advertising and decoration, clothing design, software and computer services, etc. Especially for urban sculpture, it is more suitable to be

combined with cultural and creative industries and can better reflect the connotation of cultural creativity (Gerlitz & Prause, 2021). Cities are also called urban settlements.

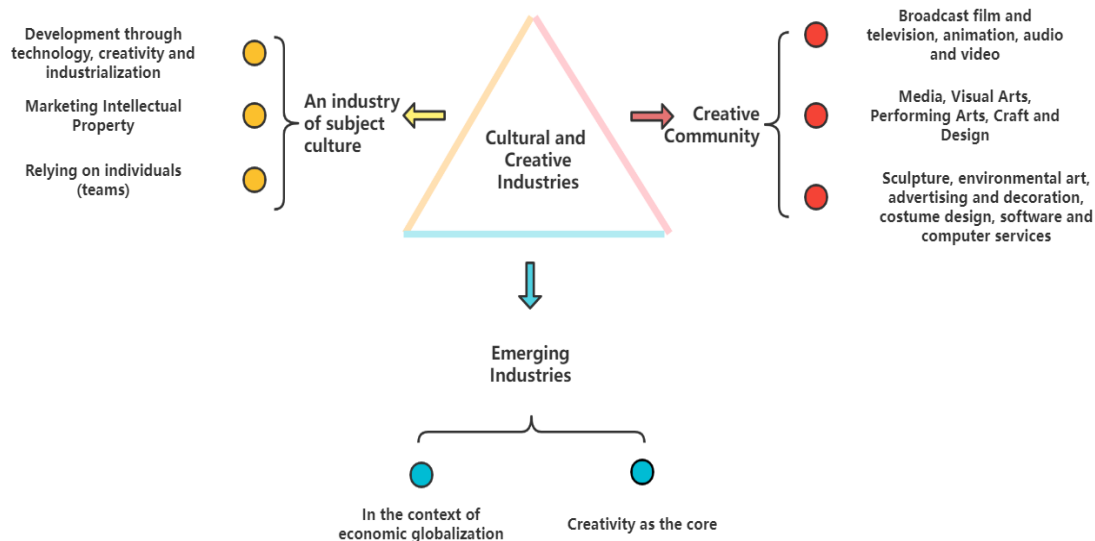


Figure 1: Cultural and Creative Industries

The process of urban renewal is also the process of interaction between people and urban environment, culture and history. And in the process of urban renewal, urban sculpture is particularly important. In the process of continuous development and renewal of the city, urban sculpture is the backbone of urban competition, and through the combination of cultural and creative industries can activate the vitality of the city and become the driving force and pusher of urban development, as shown in Figure 2.

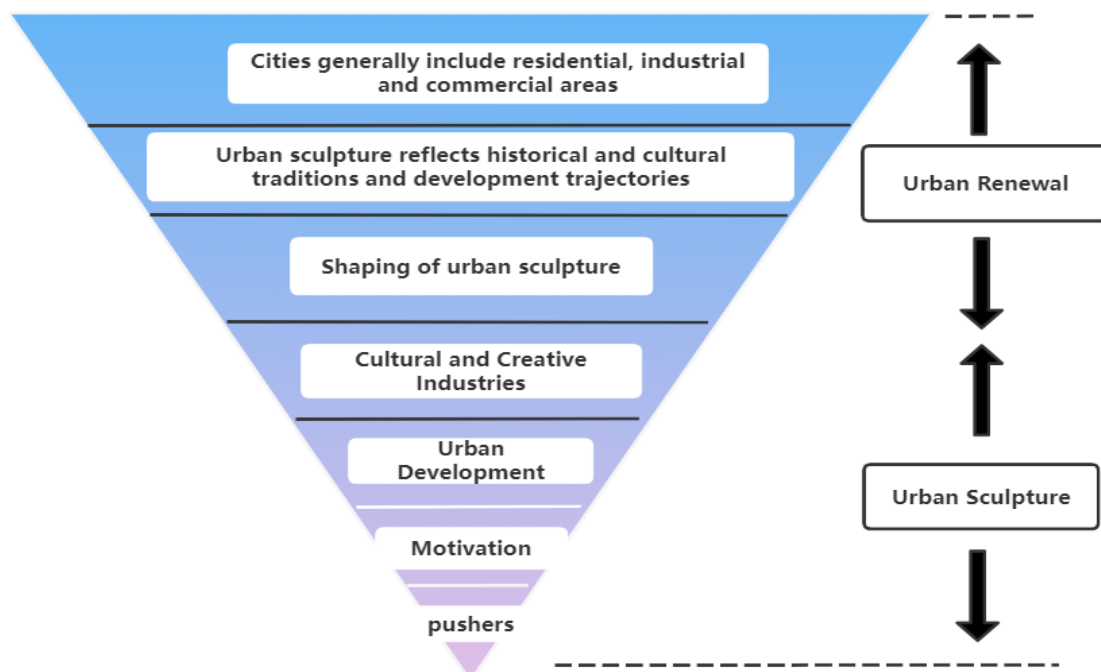


Figure 2: Urban Sculpture Promotes Urban Development

1.1.1 Cultural and Creative Industries and Urban Sculpture can Restart Urban Ruins

In the process of urban development, if the old buildings are not improved and updated accordingly, they will probably be eliminated by the city and become the "ruins" in the urban space. As an emerging industry, cultural and creative industry can be perfectly combined with old buildings in the city through urban sculpture. The combination of the two can change the current situation of old buildings, and through the improvement and reshaping of urban sculpture, old buildings can be given new vitality (Lehtinen, 2019). There are many ways for cultural and creative industries and urban sculpture to renovate and renew old buildings, and this renovation process is a double test of urban space reconstruction and urbanization construction wisdom.

1.1.2 Cultural and Creative Industries and Urban Sculpture Inject Beauty into Urban Space

Although each city will have its own unique characteristics, there must be a certain public space, and urban public space is a space that can be used and participated by citizens. With the development of economy, people's material living standard has improved and they start to pay more attention to the quality of life and spiritual world. Urban public space is the place where people can most intuitively feel urban culture and urban art in their daily leisure time, and more and more urban public spaces have placed urban statues, which bring infinite beauty and vitality to the city (Beckmann, 2020). These urban sculptures link cultural and creative industries and urban renewal development more closely together, and integrate culture more deeply and comprehensively into urban space, and the beauty and vitality of the city are enhanced, which is also a kind of promotion of urban renewal.

1.1.3 Cultural and Creative Industries and Urban Sculpture can make Cities more Unique

Cities are distinctive because of their unique culture or characteristics, such as Beijing is atmospheric, Shanghai is luxurious, Dalian is masculine, Hangzhou is the most feminine, Suzhou is exquisite, Wuhan is grounded, Chengdu is leisurely, Chongqing is hot, Lhasa is mysterious, Zhuhai is romantic, Xi'an is quaint, Xiamen is warm, etc. We are actually familiar with the character of these cities. In fact, the most intuitive expression of city

character is urban sculpture, which is inseparable from the cultural characteristics of the city (Liu & Cheng, 2022). Cultural creative industry and urban sculpture can be combined with the local cultural characteristics of a city, including regional characteristics, so that a city can leave a deep impression on people. In the process of its formation and development, a city produces urban culture, and these can be reflected through urban sculpture (Liu et al., 2018). In the process of urban renewal and development, urban sculpture is undoubtedly a very important part, and the image of the city and the personality of the city must be constantly developed to meet the challenges. Just because of the role of cultural and creative industries, then when the combination of cultural and creative industries and urban sculpture can make the city more distinctive, as shown in Figure 3.

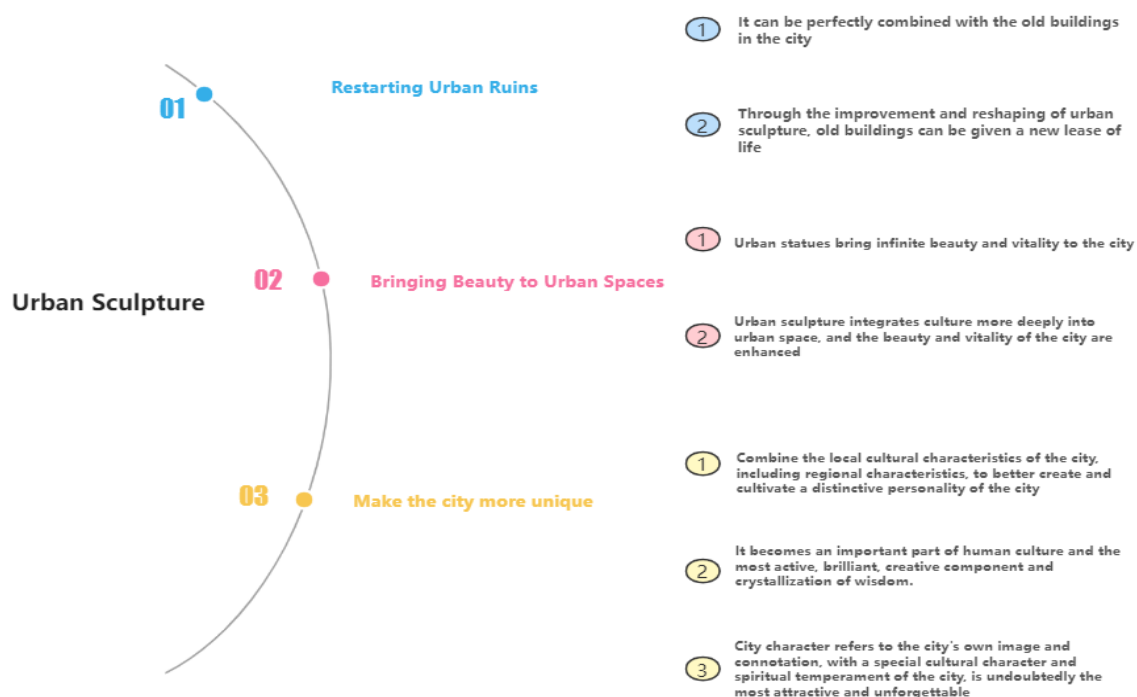


Figure 3: The Role of Combining Cultural and Creative Industries and Urban Sculpture

2. EXAMPLES OF ART AND ENVIRONMENTAL SPACE OF URBAN SCULPTURE AND ITS ROLE

When it comes to urban sculpture, in ancient Greece and Rome in Western Europe, urban sculpture emerged from the 17th century and was popular for three centuries before urban monumental figure sculptures appeared in China in the early 20th century, such as stone statues of Sun Yat-sen and Zhan Tianyou, as shown in Figure 4.

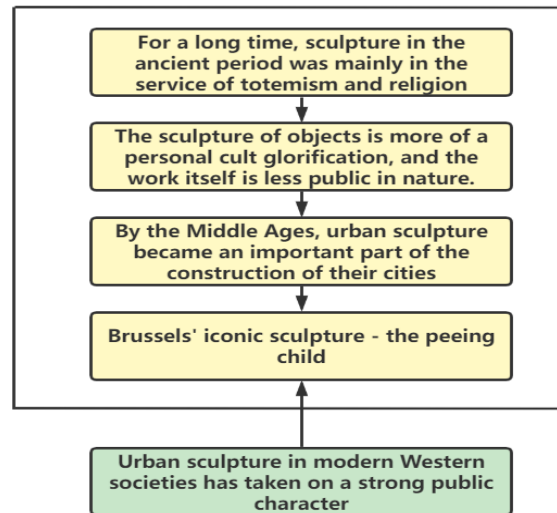


Figure 4: The Development of Urban Sculpture Abroad

In China, the real rise of urban sculpture, or after the founding of New China, such as the relief of the People's Heroes Monument in Tiananmen Square, the sculpture of the Military Museum, etc., are sculpted to majestic atmosphere (Han et al., 2021). 1960s, many revolutionary martyrs and Mao Zedong statues were sculpted throughout China. After the reform and opening up in the early 1980s, China's urban sculpture entered a stage of development and prosperity, and the art of urban sculpture gradually matured (Domenici, 2022). During this period, many famous sculptures appeared throughout the country, such as "Fisherman's Daughter" in Zhuhai, "Topiary Ox" in Shenzhen, and "Yanhuang Erdi" in Zhengzhou, as shown in Figure 5.

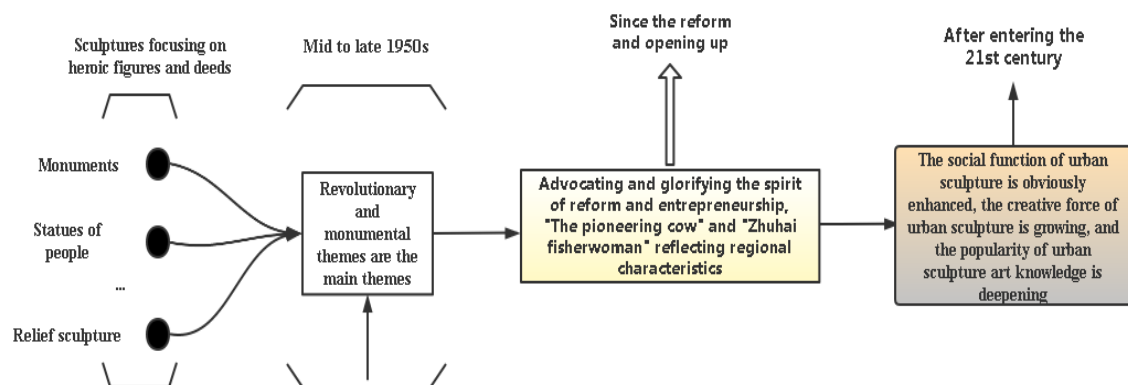


Figure 5: Urban Sculpture in China

Urban sculpture reflects the cultural taste and spirituality of a city. With the continuous development of economy and society and the people's aesthetic consciousness getting higher and higher, China's urban sculpture will be more prosperous and more colorful. Chinese sculpture culture truly goes to the world and prospers the world sculpture art (Mukunda & Vijay, 2022).

2.1 Nanchang Urban Sculpture Art Festival as an Example

Nanchang chose to use urban sculpture to establish the cultural coordinates of the "City of Heroes" and let art enter the public space of the city and integrate into the life of the general public, showing the city's strong cultural consciousness and high cultural self-confidence.

2.1.1 Beautifying the Environment: Public Art Embedded in Urban Space

The sculpture of "The Red Army", the sculpture of "The Young Pioneers" and the sculpture of "Life is in Motion" are the childhood memories of several generations of Nanchang people. Through years of efforts, a benign interaction has been formed between sculpture and the city. Whether it is the popularization of sculpture knowledge or the improvement of public art literacy, the art enlightenment role of sculpture is gradually emerging in Nanchang, as shown in Figure 6.

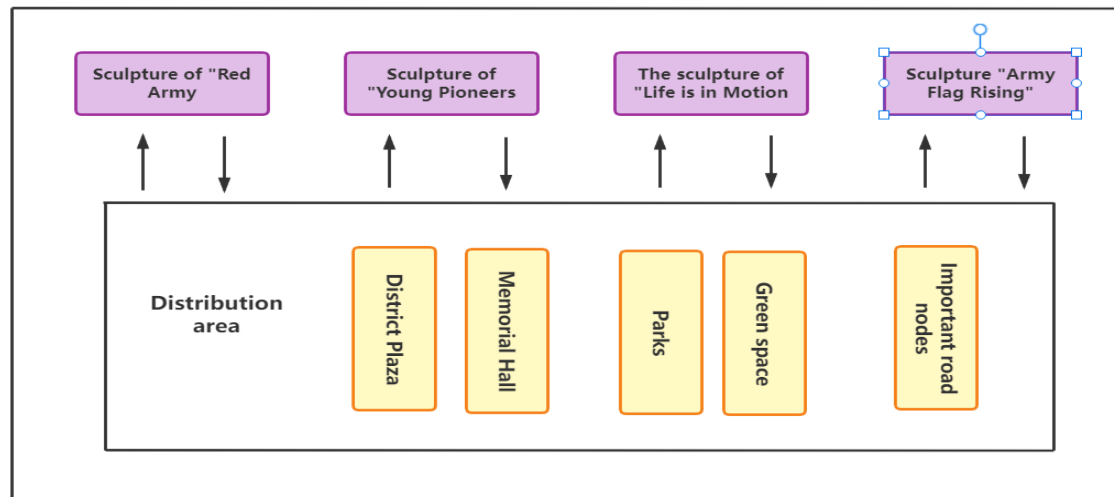


Figure 6: Distribution of Urban Sculptures

It is not only a festival, but also a gathering of sculpture artists from all over the country, bringing a group of urban sculptures of high artistic standards to Nanchang, which will stay there permanently (Gouvea, 2021). As public art, urban sculpture is more closely related to the times, to the good life, and to the ideological, aesthetic, and living states of people in the process of urban development (Vitali et al., 2021).

2.2 Take the Baoshan Urban Future Art Festival as an Example

Baoshan City Future Art Festival is mainly to let the sculpture into the community also reflects the integration of art and environmental space, the following is to introduce the Baoshan City Future Art Festival. With the completion of the sculpture "Time Tunnel", Baoshan Urban Future Art Festival is officially opened today. The surging news learned that Baoshan

Urban Future Art Festival will cooperate with Shanghai University Academy of Fine Arts in the future to open an art block construction plan and design 100 pieces of humanistic sculptures. on June 25, the first sculptures were ushered in outside the Baoshan riverfront shoreline, Baoshan District Cultural Venue, and Zhangmiao Street Town Street Garden in Shanghai (Bobrov, 2021). The sculpture "Time Tunnel" With the completion of "Time Tunnel", Baoshan City Future Art Festival was officially opened on June 25. It is reported that in the future, there will be a hundred pieces of art sculptures from the hands of Shanghai University artists to Baoshan neighborhood, so that the public can meet the "most beautiful works" at the corner and encounter a wonderful art appreciation course. It is reported that Baoshan City Future Art Festival will cooperate with the Shanghai University Academy of Fine Arts to innovatively open the art block construction plan and design 100 pieces of humanistic sculptures, and on June 25, in addition to the riverfront shoreline where the "Time Tunnel" is located, Baoshan District Cultural Venue, Zhangmiao Street Town Street Garden, etc. also ushered in the first batch of works, works to city landmarks, city skyline and other images, shaping " City Expressions", as shown in Figure 7.

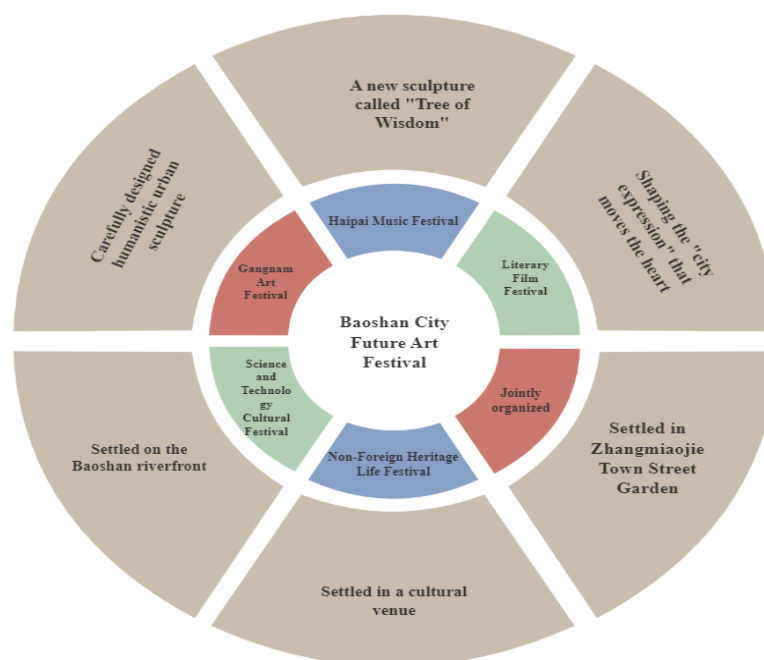


Figure 7: Baoshan City Future Art Festival

The sculpture located in Zhangmiao Street Town In addition, the festival plans to carry out five key sections of content throughout the year, namely the Jiangnan Fine Arts Festival, the Haipai Music Festival, the Literary Film Festival, the Science and Technology Culture Festival, and the Non-Foreign Heritage Life Festival, joining forces with the Shanghai University

Academy of Fine Arts, the Conservatory of Music, the Academy of Arts and Letters, and the Film Academy to continue to provide Baoshan people with high-quality street corner concerts, music and art tours, and other activities. The popular Haipai Minging Stage will also bring more cultural gems to the audience. In recent years, Baoshan has cultivated the historical heritage of "five hundred years", deepened the construction of red cultural landmarks, protected characteristic industrial relics, built 81 Wusong cultural landmarks, and inherited the "most Baoshan" urban cultural lineage. In order to welcome the centennial of the Party, Baoshan District has carried out a series of ten cultural activities this year, including the "People's Hundred Arts Celebrating the Centennial Festival", with nearly 3 million participants (Thompson & Day, 2020). The opening ceremony of the festival will help Baoshan District to further build a cultural "talent magnet", optimize the ecology of innovation and entrepreneurship, nurture high-level original art works, fully improve the support policy for cultural and creative industries, actively guide social capital to participate in industrialization and transformation projects, and strive to make the cultural industry empowered urban industrial innovation. At the same time, it will also make the city scenic and the neighborhood warm, and create a literary and artistic "livable home" (Barrett, 2020).

2.3 Heavyweight Urban Sculpture

At the beginning of 2022, the new area of Lingang will have another heavyweight urban furniture! Seven pieces of urban sculptures, including "Servcorp", "New World", "A Thousand Sails", "Bridges", "Back" and "Starry Night", will make their debut on New Year's Eve! Servo, "New World" and "A Thousand Sails" are shown in Table 1.

Table 1: Related Introduction

Name	Connotation	Location	Introduction
The Ambition	The Great Roc Spreads Its Wings	Located at the off-ramp of s2 Hulu Expressway to Shengang Avenue	Inspired by the extension of the two main roads, the wedge-shaped green space and the curved greenery arrangement
New World	Vision of the Port - Vision of the Future	Huacheng Ring Road on the intersection of Huabai Road	Presenting the effect of sympathy with the unique temperament of Shanghai Lingang New Area
A Thousand Sails	Riding the Wind and Breaking the Waves - Never Go Ahead	Nangang Avenue and Huanhu West 2nd Road Park Green Space	Showing the development concept of "World Coast, City of the Future"

Servcorp, located at the off-ramp of S2 Hulu Expressway to Shenyang Avenue, is the first urban gateway to the new district and one of the first to be completed. As the new "facade" on the city furniture, "Servcorp" is like a roc spreading its wings, giving people a sense of ambition. The work is inspired by the extension of the two main roads leading from the S2 Hulu Expressway to the new area of Lingang. The wedge-shaped green space with curved greenery is integrated with the linear structure of the Servcorp, forming a harmonious landscape. The distinctive and simple shape is compatible with the new area of Lingang to build a modern new city with open innovation, wisdom and ecology, industry-city integration, industry and livability. It signifies a deeper, wider and stronger all-round high-level opening in 2035, and strives to become an important base for gathering talents from home and abroad to carry out international innovation synergy. In the night, "Servcorp" is like a bird with wings, changing colors with the changing winter light, the wings of Servcorp are infinitely far-reaching! In the eyes of the artist, the sculpture lands not only on the physical level, but also on the spiritual link. The new urban furniture "New World" on the intersection of Huabai Road on Huchenghuan Road is a new perspective of the city dedicated by the sculptor to Lingang! The symmetrical mirror structure, the irregular form of neural network is embedded in the oval "cosmic form", slowly rotating, and the concave mirror reflects the neuronal network infinitely, symbolizing the infinite space of thinking. It is like the moment of the cosmic explosion, which drives the galaxy to keep on running. The work becomes a growing life form in both physical space and spiritual dimension. The finished presentation resonates with the unique temperament of Lingang, foreshadowing that human beings never stop exploring life and the unknown realm (Titenkov, 2019). In the park green area of Nangang Avenue and Huanhu West Second Road, "Thousands of Sails" holds up a "Chinese red" on the green area in winter, with sails of different sizes facing the cold wind and carrying the weight of Lingang, sailing towards the future. From a high altitude, the sails are like the heroic posture of the race, waiting for the company of cold plums, spring flowers, summer cicadas and autumn moon. In winter, we look forward to the spring flowers of Lingang; in the cluster of spring flowers, they are more bright red and brilliant; in the murmur of summer cicadas, we feel the enthusiasm of Lingang more; in the poetry of the autumn moon, we want to join the people of Lingang, invite the moon with wine and express our feelings. With the momentum of a thousand sails, the work shows the development concept of "World Coast, City of the Future" in the new area of Lingang,

reflecting the city theme of "International Wind, Future Sense, Sea and Lake Rhythm". The rhythm of the red sails shows the greatness and the rhythm of the sea and lake. The artistic atmosphere presented by the work inspires people to go forward in spite of the hardships, positivity and courage. The remaining four are shown in Table 2.

Table 2: Related Introduction

Name	Connotation	Location	Introduction
By the Sea	A New Look at Lake and Sea - Living by the Sea	Haiji Sixth Road is near the "Information Flying Fish" global digital economy innovation island	It means that the new area of Lingang attracts global innovation and entrepreneurial talents to settle in the area.
Bridges	Connecting the World - Five Bridges to the Heart	Located in the sponge park of the starry sky - the green belt of the third road around the lake north	It is a symbolic meaning of exchange between different cultures to establish connection and peace
The Return	One Flower, One Leaf - Blooming Future	In front of the main entrance of Dripping Lake Conference Center	Symbolizing vitality and passion, it also signifies the idea of vigorous development and innovation
The Starry Night	Da Dao Lingang - Harmony and Coexistence	None	It means that the universe has no weight even if it is heavy, and life has weight even if it is light.

3. URBAN SCULPTURE ART AND ENVIRONMENTAL SPACE INTEGRATION

The urban sculpture has a long history. Modern urban sculpture works must first achieve the effect of harmonious coexistence with natural ecology based on a deep understanding of the ecological laws and beauty of nature in a specific environment. Urban sculpture is a three-dimensional form with three-dimensional space. When placed in a specific environment, it must have a physical relationship with everything around it - geography, architecture and other factors. Therefore, sculpture must not only obey the constraints of the environment, but also "live in harmony" with the environment, allowing sculpture to interact and integrate organically with the environment, planning geographic conditions and spatial forms together to form the beauty of the overall environment,

creating a homogeneous and harmonious environment, and making works in the tone of the environment to produce aesthetic effects (Segal & Schewe, 2019). Urban development of public sculpture in coordination with the environment should grasp now the following points. The location, content, form, volume size and color texture of urban public sculptures should be coordinated with the surrounding natural environment, architectural shapes and the influence range of sculptural tones so that they become part of the natural environment, architectural environment and urban environment. The style of urban public sculpture in the overall layout of the city should be coordinated with the history, culture, architecture and street characteristics of the city. It is inevitably constrained by the established style and a variety of environmental conditions, but focuses on the main-subordinate relationship and key grasp, fully reflecting the natural beauty and coordination of the landscape space. This is also the future development trend of urban sculpture. Sculptors can also achieve the purpose of aesthetic education by borrowing scenes to form, create atmosphere and psychological problems to induce each other. For example, the Japanese sculptor Sekine Nakao's work "Empty Image", with the help of Chinese stainless steel for mirror reflection, the surrounding sky, trees, people mapped to a work, so that the simple structure of the form becomes important content more rich, so that the environment and the work between each other work intervention, complement each other. The famous designer designed the underground entrance of the Louvre renovation project. Its shape is derived from the square pyramids of ancient Egypt, and combined with glass materials, it has a strong sense of not only symbolizing the ancient civilization tradition of mankind, but also giving the work a new avant-garde atmosphere and aesthetic sense of the industrial age, which is a model of perfect integration of sculpture and modern urban environment. Urban sculpture should take the gesture of integrating with ecology to realize the interactive relationship of mutual opening, interdependence and mutual growth. For example, the sculpture of pulling a yellow cart on the pedestrian street in Beijing, with pedestrians on it instantly, just constitutes an interesting scene that transcends time and space in the past, modern times and today. Because of the human interaction, sculpture and space are integrated with the rhythm of life. In the modeling of urban public sculpture, one can learn from Master Moore on how to integrate with the ecological environment. He specializes in extracting elements from the natural environment. In addition to the human body, he likes to find the basis of abstract shapes in biological forms such as bones, shells, roots, and hatcheries. As a result, no matter how close

his works come to abstraction, they are far more powerful than some of his more figurative works, expressing an animal life force. Moore's sculptures are placed under a blue sky and white clouds, as if they were creatures growing out of the earth, overflowing with a sense of life that is closely related to nature as a whole. For me," Moore says, "sculpture contains the power of life, and organic forms are particularly emotional, conveying feelings and warmth. His surrealistic abstract deformation expresses a tender tenderness for life and a dedication to humanism. In addition to these points, for the integration of urban sculpture and humanistic environment, as follows. China has a long history of development, and many cities have formed unique historical culture and humanistic style in the process of historical development, and urban landscape sculpture, as a public art form, is the art form that can best express urban emotion and humanistic sentiment, and can increase the artistic atmosphere of the whole city. Historical culture and humanistic style are the cumulative formation of various environmental elements of city landscape practice, such as local culture, religious beliefs, ecological environment, and so on; these elements can cause people's resonance; different regions and cities have different humanistic environments and their own unique historical and cultural backgrounds; landscape sculpture production should remove the author's personal feelings and stylization. Outside the art atmosphere infection, more reflected in the city sculpture, where the people of the sculpture for the emotional appeal of the sculpture, but also to enrich the humanistic meaning of landscape sculpture, to achieve the content of the subject matter of landscape sculpture and the local history and humanities environment in a harmonious unity of purpose. Through the appreciation of the cultural history contained in the city landscape sculpture, people can associate the city's past appearance, the city in the development of change and urban development of vitality and potential, which has a significant impact on people's hearts and aesthetics. For example, the statue of "Mother Yellow River" on the middle of the riverfront on the south bank of the Yellow River in Lanzhou is a representative of the city. The sculpture consists of a young mother and a cute baby boy, symbolizing the blood-soaked, strong and indomitable Mother Yellow River, and the happy, unrestrained and thriving children of China. In the sculpture, the mother's hair flows vertically, her face is serene, smiling slightly, her body is full and proportionate, with beautiful curves, her head is raised and her right arm is slightly bent, lying on her back on the waves, the baby boy nestled in his mother's arms is naked, his head is slightly left, his head is raised and smiling, looking naughty and cute,

symbolizing that the Yellow River mother loves and protects the children of China. The sculpture is simple in composition and profound in meaning. The base of the sculpture is engraved with water wave patterns and fish patterns, which are traditional patterns derived from the ancient pottery patterns in Gansu, reflecting not only the long history and culture of northern Shaanxi, but also the keen observation of natural phenomena by the ancestors of the Yellow River basin. "Mother Yellow River" has now become a landmark sculpture in Lanzhou, and the sculpture itself is well integrated with the long-standing Yellow River culture of Gansu.

4. SUGGESTIONS

4.1 In-depth Understanding of the Function of Sculpture and the Nature of the Environment

Deep understanding of the powerful function of art sculpture and the difference of the nature of the environment is the key to achieve the goal of combining the art of landscape sculpture with the environment beyond the space. Designers need to understand how the art environment is combined with the environment and grasp the dynamic beauty flowing from the bronze sculpture from the most essential perspective. In the specific process of landscape sculpture design and production, professional designers will ultimately land on the logic of innovative thinking, even if not necessarily under the support of strong emotional core values, with the help of landscape sculpture works, shown in front of everyone, so that people at the time to explore and feel the different levels of urban ecological environment in the space, so as to be able to fully highlight the significance of landscape sculpture design and production. In turn, it can more effectively promote the harmonious development of intelligent creatures and social and cultural environment.

4.2 The State Should Increase the Strength of Modern Urban Services

In the specific process of integrating landscape sculpture art with the environment, for the larger contemporary cities, the state should focus on further improving the quality of urban construction. Build the power of company services, focus on the national unity and coordination of company services between art sculpture and society at large, enhance the affinity of art sculpture in people's hearts with the help of this form, and effectively close the distance between art sculpture and the public. People at that time not only felt the affinity of landscape sculpture, but also its

main features such as entertainment and company services, and gradually formed a kind of dreamy norm of harmonious coexistence between nature and relatively big cities.

4.3 Establishing Urban Affinity and Cultural Image with the help of Integration

Landscape sculpture gives more effective material support to shorten the linear distance between larger cities and people. In such a background premise, the state must change its basic function from the type that was dominant to the type that serves. To change the main focus on review for the people and services, in the masses to build a relatively large close to the masses of towns, villages and towns. At the same time, the city refinement manager should combine the comparatively large city art course, transform the comparatively large city into a comparatively large contemporary industrial city, integrate the landscape sculpture and environmental space, and project the representative image of the comparatively large city. It integrates nature, organic compounds and social civilization, which in turn continuously promotes the harmonious development of larger cities and intelligent creatures.

5. CONCLUSION

To sum up, we need to vigorously develop the cultural and creative industries because they have an important impact on the development of our country and are very beneficial to the development of our cities. In today's urban progress and development, cultural and creative industries can meet the spiritual field that people are slowly growing, especially the urban sculpture in the background of cultural and creative industries. When urban sculpture itself carries the atmosphere of art, integrating urban sculpture with environmental space can not only highlight the cultural atmosphere of the city, but also better enhance the personality of the city, for example, different environmental spaces can be placed with different urban sculptures to reflect different cultures. For some cities, they have their own characteristics of the environment, such as the mountain city of Chongqing. The integration of environmental space is not a simple matter, and requires consideration of many aspects. The shaping of urban statues requires consideration of the environment, location, and materials, etc., to fit the spirit of the city, the personality of the city and the cultural atmosphere of the city, and if not, then the discomfort can be clearly felt.

A city statue that fits the culture of the city can shape a different city with a distinctive personality. A distinctive city can not only be reflected through the characteristic urban sculptures and cultural and creative industries, but also through these urban sculptures and cultural and creative industries to increase the number of tourists, thus enhancing the city's economy. These urban sculptures reflect the culture of the city, the personality of the city, express the image of the city, and can also enhance the confidence of the city, the personal confidence of the residents, and the cultural confidence of the country. Therefore, we need to study the shaping of city statues in the background of this cultural and creative industry, and combine the artistic atmosphere of city statues with the environment of each place in the city itself to create the individual culture of our own city.

6. ACKNOWLEDGEMENTS

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