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Tianjin 3615: 6 Courtyards 1 Landscape

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ARCHITECTURAL DESIGN

Period: January – May 2022

Location: Jizhou District, Tianjin, within the Beijing-Tianjin-Hebei Economic Circle, China

Developed for: 3615 Safety and Emergency Innovation Incubator Park Tianjin

In collaboration with: Quarta & Armando Architecture Design Research

RMB290.000/€37.077

PROJECT LEADERS

Michele Bonino, Edoardo Bruno

ARCHITECTURAL DESIGN

Giulia Montanaro (coordinator), Xian Lu

LOCAL ARCHITECTS AND INTERIOR DESIGN

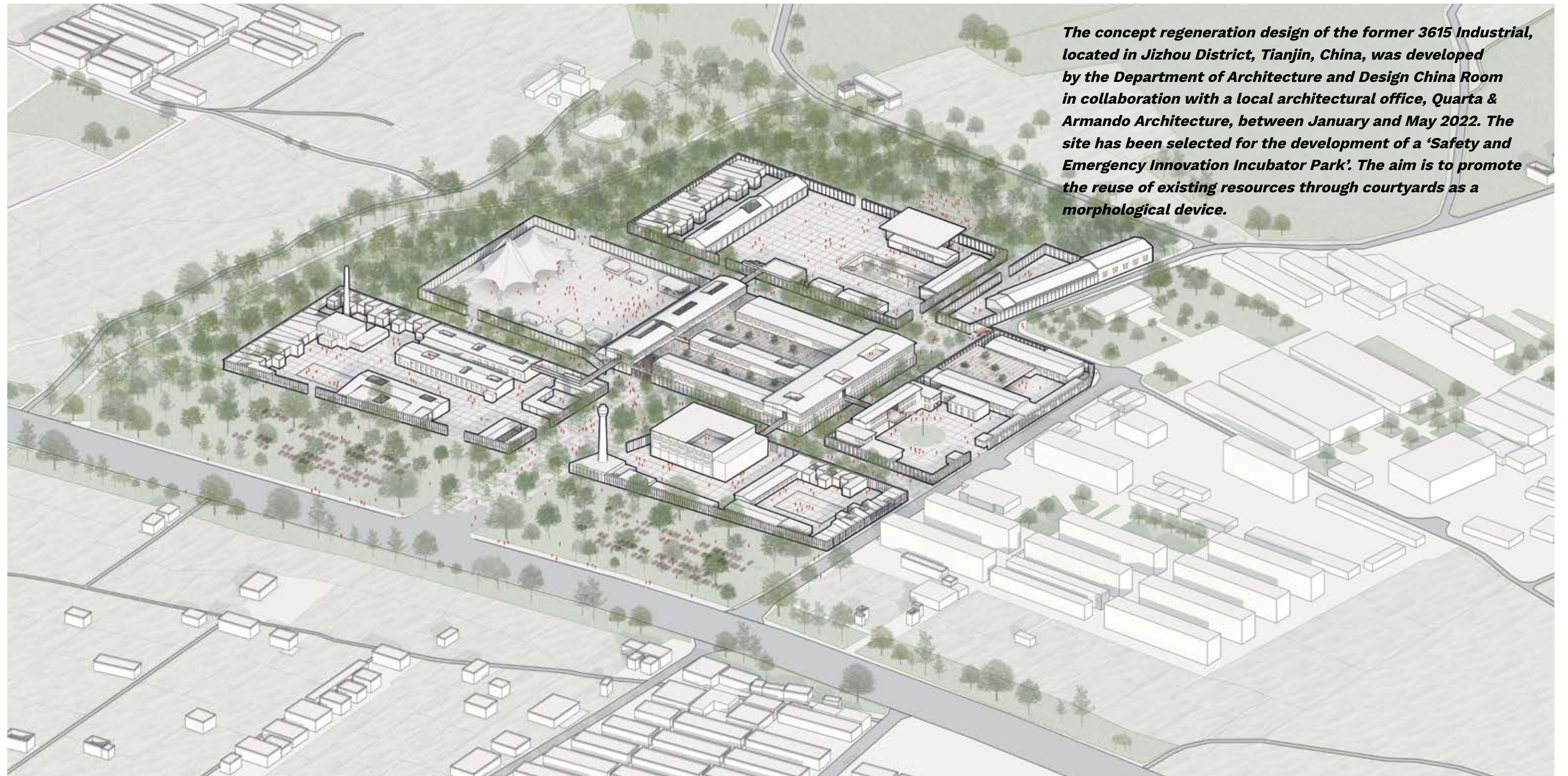
Michele Armando, Gianmaria Quarta, Gu Tao -
Quarta & Armando Architecture Design Research

COLLABORATORS

Federico Asinelli, Federico Belfiore, Enrico
Massetani, Zihe Wang, Rui Xu, Jiang Ye, Yelin Zhang

The conceptual design for the regeneration of the former industrial district of Tianjin Ditiantai 3615 Machinery Co. founded in 1987 was developed by the Department of Architecture and Design China Room in collaboration with local architects Michele Armando, Gianmaria Quarta e Gu Tao. The complex is located in Jizhou District, Tianjin, China, and is currently isolated in a rural setting and in an advanced state of decay. The site has been selected for an innovative development that aims to create a ‘Safety and Emergency Innovation Incubator Park’, a place for researching and innovating in a variety of fields related to Safety and Emergency Management. The aim of the project is to give a new identity to a place. The design was carried out between January and May 2022.

The project concept is based on an organisation of six thematic courtyards, effectively conceived as public squares. They act as a morphological device that promotes a new order between internal and external functions to maximise the recombination of flexible spaces and ensure a precise corporate dynamic. This approach reassembles the existing factory buildings into a small-scale urban system, where landscape and vegetation seamlessly merges with the urban environment from the west. The ground floor space is systemised by a continuous facade that is treated differently according to the courtyard function it identifies. The thickness developed between it



and the existing buildings becomes a denser design space for the resolution of necessary extensions or technical spaces.

This design research promoted the imperative of systematically reorganising existing resources through a thoughtful approach. This important issue emerging in the Chinese context for more sustainable architectural and urban development highlights the potential of industrial regeneration in China from an applied research perspective. The focus was on identifying the most effective way to meet the client's need in a complete

transformation of the original functions with their concrete implications. In this perspective, the systematic role of the six courtyards was an effective design strategy to manage the space at different scales, carried out through a careful design of "interstitial" spaces, a theme that can extend this experience to future critical reflections and considerations.

Fig. 1 | 6 Courtyards 1 Landscape, axonometric view of the design proposal (credit: Politecnico di Torino - China Room).

Fig. 2 | 6 Courtyards 1 Landscape, rendering of one of the public courts (credit: Politecnico di Torino - China Room).

