

# JOINT SCHOOL OF DESIGN AND INNOVATION CENTRE

## → XYTU NEW CAMPUS AND XI'AN NEW DISTRICT

### Project Leader

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### Project Team

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with Marcello Bondavalli, Nicola Brenna, Chiara Dorigati, Francesco Fuoco, Carlo Alberto Tagliabue, and with (for the first phase of the project): Zhang Ai, Zhang Hankun, Martin Huba, Angelo Pagano, Matteo Piras, Emilia Quattrina, Pier Alessio Rizzardi, Gerardo Sempredon, Cheng Wei Chung

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Systems Design: Paolo Oliaro / Department of Energy - DENG: Ennio Macchi /  
Department of Electronics, Information and Bioengineering - DEIB: Sergio Pignari /  
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Dell'Acqua Bellavitis / School of Architecture, Built environment and Construction  
Engineering: Ilaria Valente / School of Design: Luisa Collina

Politecnico di Milano has created a joint venture with Jiaotong University of Xi'an to create a Research and Innovation Building on a university research campus soon to be built, envisioned in the city of Xi'an, the point of arrival and departure on the so-called Silk Road, with the aim of transforming that historical connection into a new Road of Knowledge that fosters relations between Europe and China.

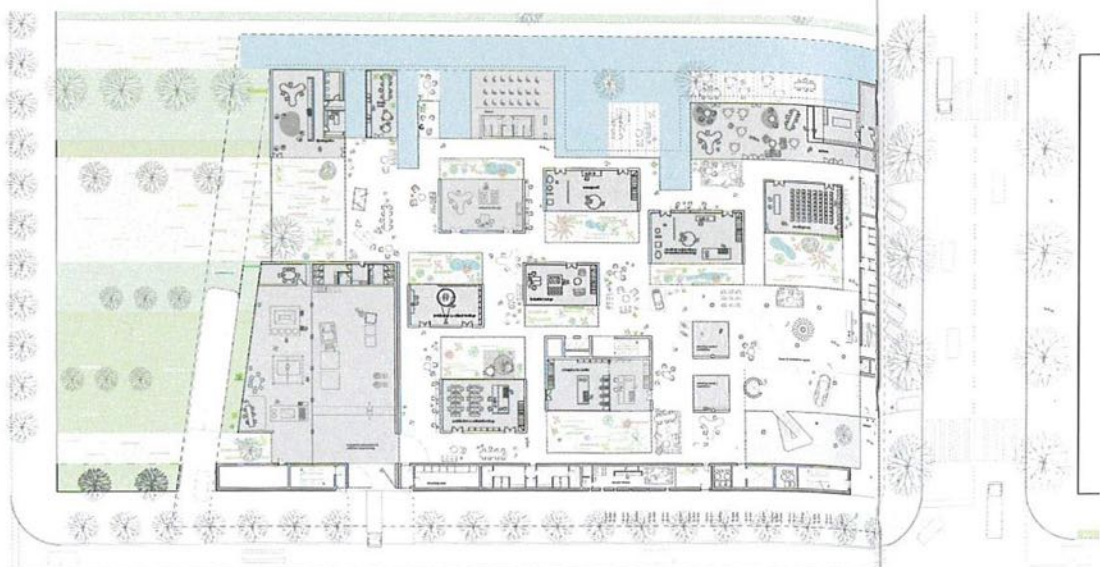
The project is the result of a long process of research and mutual understanding in progress for some time now between the two universities, also taking the form of the proposal made by Politecnico di Milano of an overall master plan for the design of the whole Campus, seen as a new City of Science.

The Research and Innovation Building presented here is approached as a Technological Innovation Harbor, a place for ideas and all possible innovations. It mixes spaces for the activities of start-ups, arranged vertically in a large cubical volume, with spaces for experimental laboratories, with partial loft levels, lit by small internal gardens, extending horizontally and spreading through a vast single-story structure.

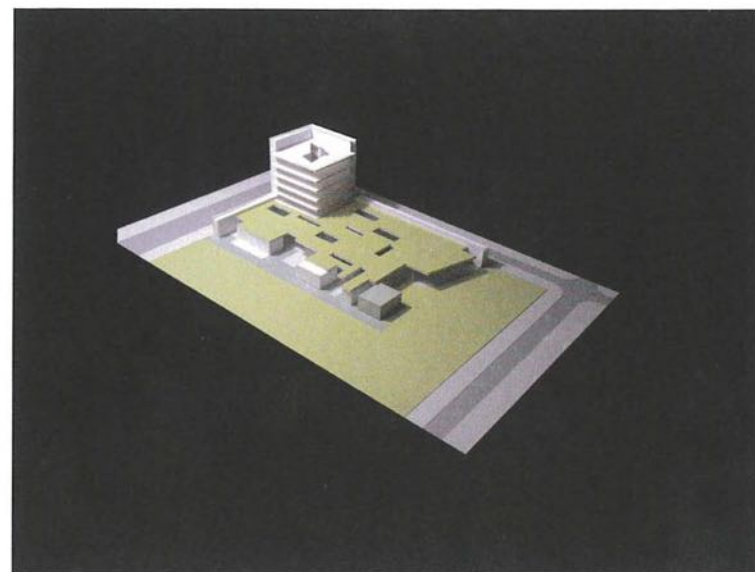
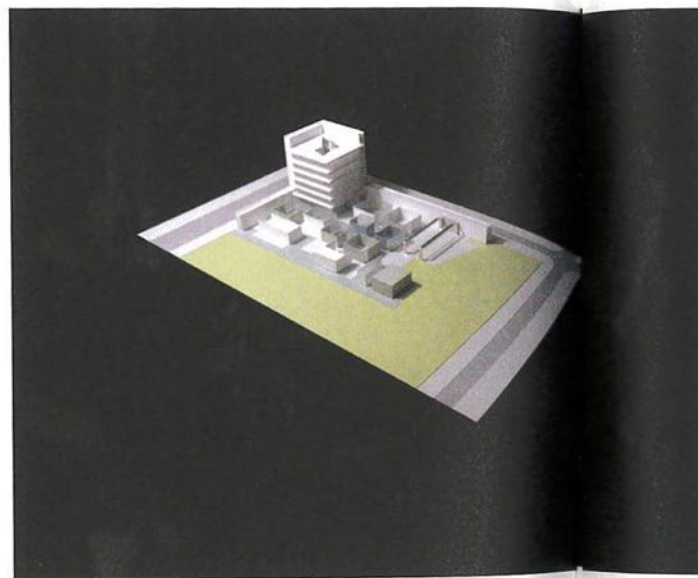
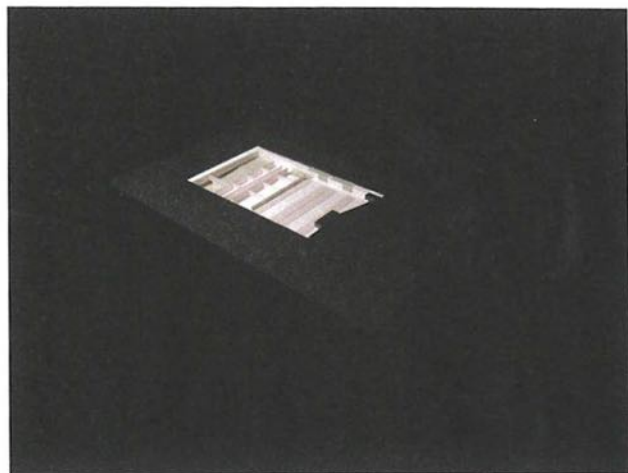
The outlook is that of a different idea of work and creativity, performed and enhanced thanks to an abundance of spaces of service and relation inside the building, from the cafe to the restaurant, the fitness spaces to the self-made food zones, the exhibition facilities to the meeting points. But the most characteristic feature of the building is the "trading zone" concept that transforms the circulation areas into places of encounter and work to foster human and scientific exchange: intermediate spaces in which the various sciences and disciplinary fields find a terrain for dialogue, encouraging sharing of information, knowledge and creativity.



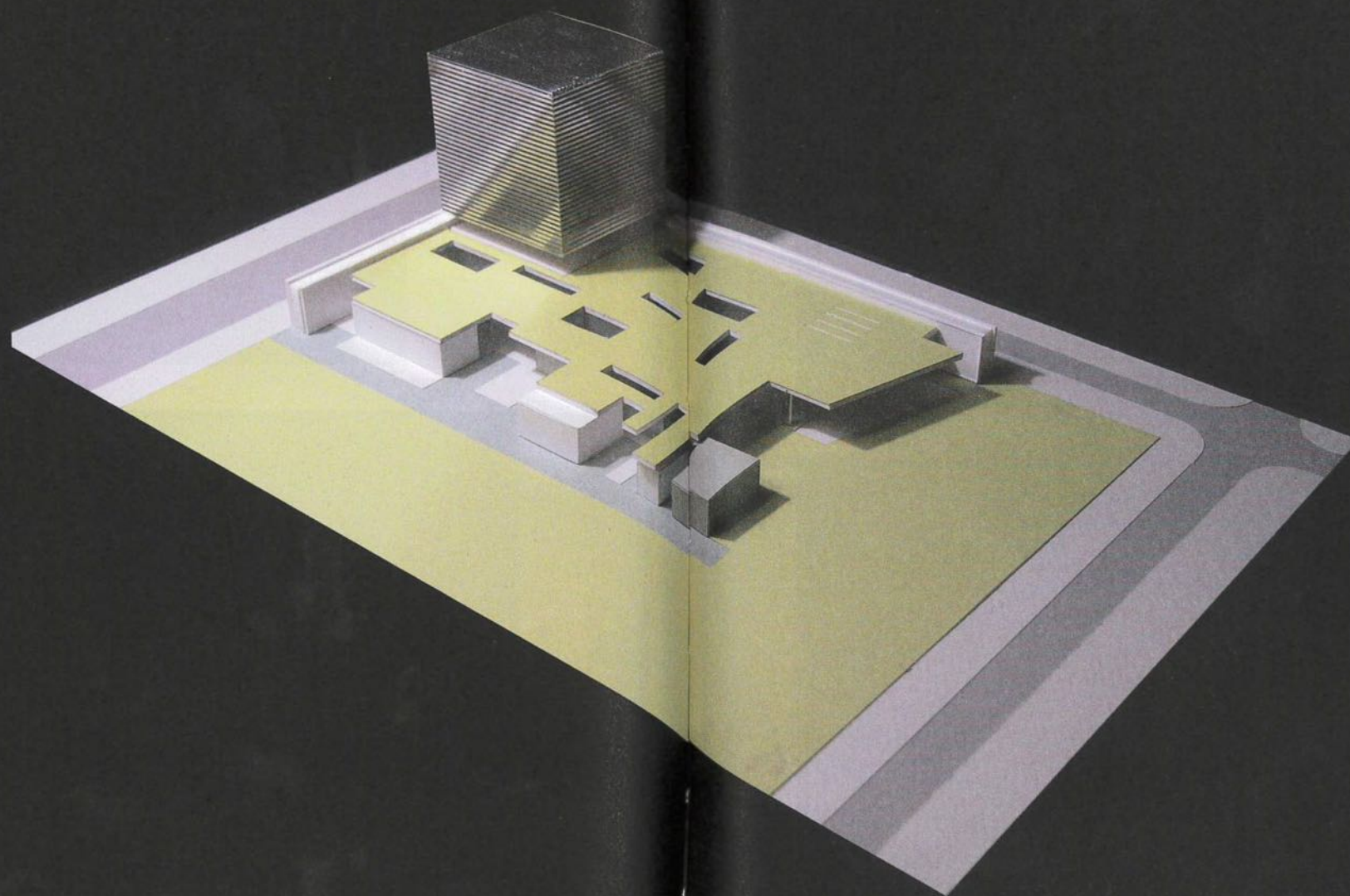
→ Spaces for the activities of start-ups and for experimental laboratories.



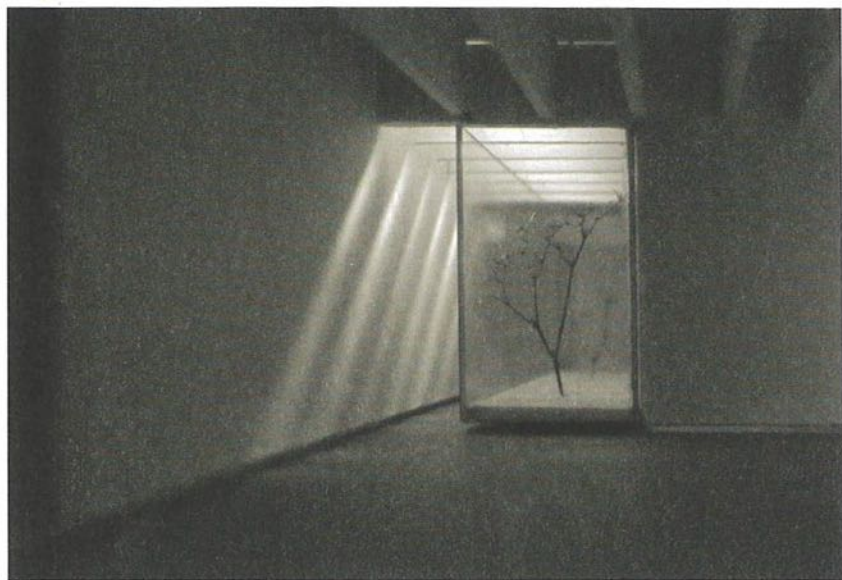
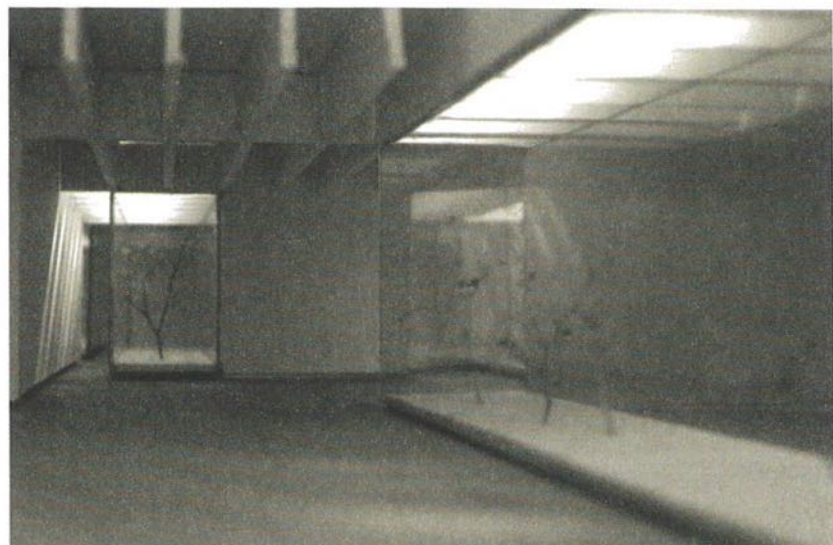
→ Experimental laboratories extend horizontally in a vast single-story structure.







→ laboratories are lit by small internal gardens.



→ Natural light pours from the rooflights.

