

Honours

Programme

Datascapes. Logistics, Design, Innovation is the advanced training programme (Honours Programme) launched through a collaboration between Techbau SpA, DAStU — Department of Architecture and Urban Studies, AUIC-Architecture, Built Environment and Interiors School of Politecnico di Milano, aimed at promoting scientific research and the development of technical skills that are readily applicable in the job market, particularly in relation to datacentre design and the regeneration of disused or underutilised logistics assets.





Techbau SpA provides funding for

- the implementation of an advanced training programme (Honours Programme) focused on datacentre design in relation to the regeneration of disused or underutilised logistics assets
- the participation of 20 Master's students, each receiving a € 1.500 scholarship
- the acquisition of innovative prototypes developed within the programme

The AUIC School is responsible for

- the academic organisation of the programme
- the selection of participants
- the coordination of related activities

Proposing study course Architecture, Built Environment and Interiors Involved study courses LM4 / LM48 / LM3

ADH ARCHITECTURAL DESIGN AND HISTORY

ACI ARCHITETTURA - AMBIENTE COSTRUITO INTERNI

BEI ARCHITECTURE - BUILT ENVIRONMENT INTERIORS

ADU ARCHITETTURA E DISEGNO URBANO

AUD ARCHITECTURE AND URBAN DESIGN

COS ARCHITETTURA - ARCHITETTURA DELLE COSTRUZIONI

BAB BUILDING ARCHITECTURE

LLH LANDSCAPE ARCHITECTURE. LAND LANDSCAPE HERITAGE

SAL SUSTAINABLE ARCHITECTURE AND LANDSCAPE DESIGN

UPD URBAN PLANNING AND POLICY DESIGN

ECTS credits 8

teaching format course

total 200 hours

80 hours teaching in presence

+120 hours at home including intensive fnal workshop/exibition

duration September–December 2025; January 2025 final delivery/exame

schedule 10 weekly sessions

1 day per week for 8 hours / on Mondays or alternatively on Fridays

venue Leonardo Campus, Politecnico di Milano

languages Italian and English

selected participants 20

student grant €1.500 per student awarded as a scholarship





HP-TEAM

Polimi professors

Chiara Nifosì (coordinator), Jacopo Leveratto, Valerio Tolve

Tutors

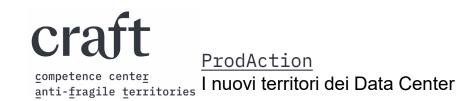
Mattia Tettoni, Alessandra Bruno, Davide Simoni

Techbau supervisors

Luca Zarantonello, Mario Buscaini, Giuliano Falcone, Leonardo Oprandi, Giovanni Duci, Pidò Davide

in collaboration with

DT2 Design Toolkit for Design Teaching



SUBJECT AND KEY TOPICS

The design and construction of data centres is a growing challenge for many companies, design firms, and the areas that will host them. New skills and qualifications are required to design appropriate solutions and be attentive to sustainability and environmental impact reduction objectives. The economies linked to digital enhancement worldwide are a rapidly expanding market. In Italy, the construction of data centres is also a rapidly growing trend.

The need to explore this sector in greater depth is increasingly urgent for the places and areas that host these infrastructures, the companies that design and build them, and the world of research that studies their effects and impact on the local area.

Therefore, this phenomenon necessitates an integrated, multi-level approach to planning and a governance model that involves multiple stakeholders.

The course combines various scales and dimensions in this context, which is essential for understanding the phenomenon's complexity at the territorial and architectural levels. It will cover topics ranging from data centre localisation strategies to analysing case studies in Italy and abroad, regulatory frameworks and implementation processes (policy innovation, governance, stakeholders), and developing innovative concepts or prototypes (new builds and modifications of existing brownfield sites).

EDUCATIONAL ACTIVITIES:

Lectures

Introduction and contextualisation of the topic, focusing on urban regeneration and European case studies involving the reuse of logistics assets through datacentre projects

Study visits

Field trips and site inspections conducted in cooperation with institutional partners, universities, and stakeholders involved in urban regeneration

Meet the experts

Seminar-style talks and interactive sessions with experts (from Politecnico di Milano, Techbau staff, public administrations, national and international designers, and professionals) on key topics of the programme

Project works

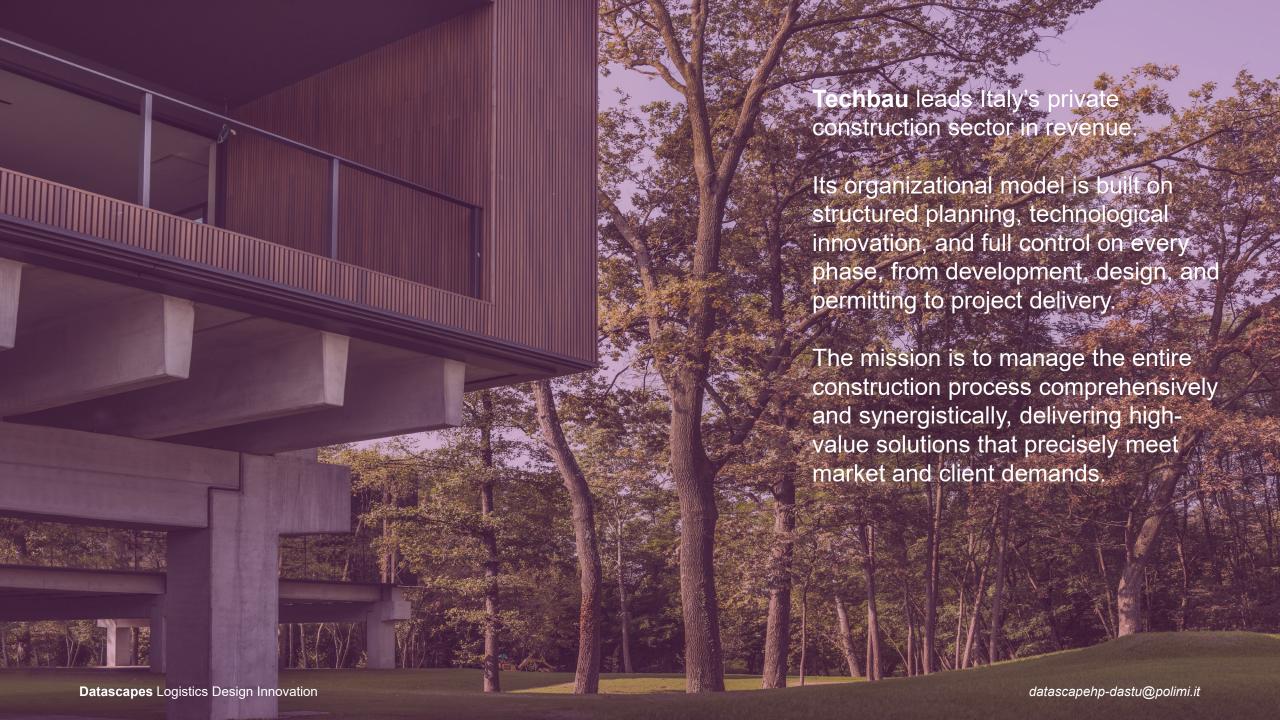
Analytical and design-based simulations of a datacentre project developed from real-world case studies agreed upon with Techbau. This includes simulated implementation strategies for urban regeneration carried out in an integrated and multidisciplinary manner, in direct interaction with relevant stakeholders

Final exibition

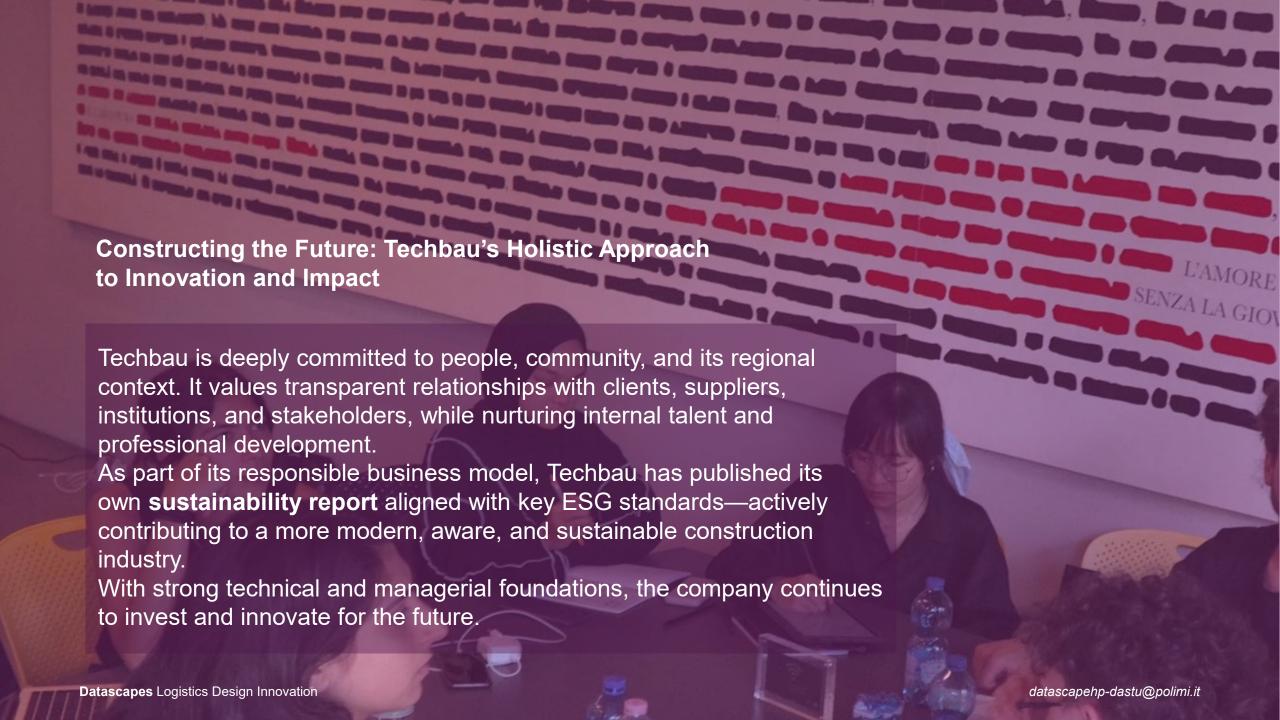
Founded on an ambitious entrepreneurial vision and solid technical expertise, Techbau is one of the most dynamic and fast-growing players in Italy's construction panorama.

The company operates across several strategic sectors: residential, student housing, industrial, data centers, logistics, and renewable energy. It is recognized for upholding the highest standards of quality, efficiency, and safety throughout the construction process.

TECINE CONSTRUCTION Engineering & Construction









Contacts/info

Honours Program online presentation

June 17 2025 at 18:00

digital classroom:

Politecnicomilano.webex.com/meet/chiara.nifosi

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web page:

https://www.dastu.polimi.it/dastu-techbau-2025-honours-program/

call:

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