



Educational innovation transforming construction

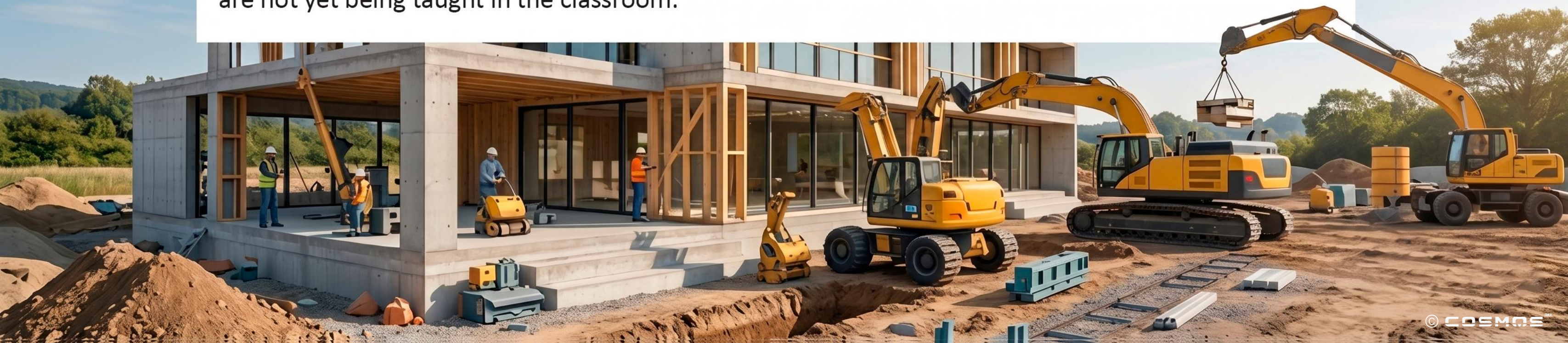
Strategic integration of 3D concrete printing for the university of the future.





The industry is moving toward automation. Classrooms must catch up.

Modern construction is rapidly advancing toward digital, automated, and sustainable approaches. However, a critical skills gap remains: the practical competencies demanded by the labor market are not yet being taught in the classroom.

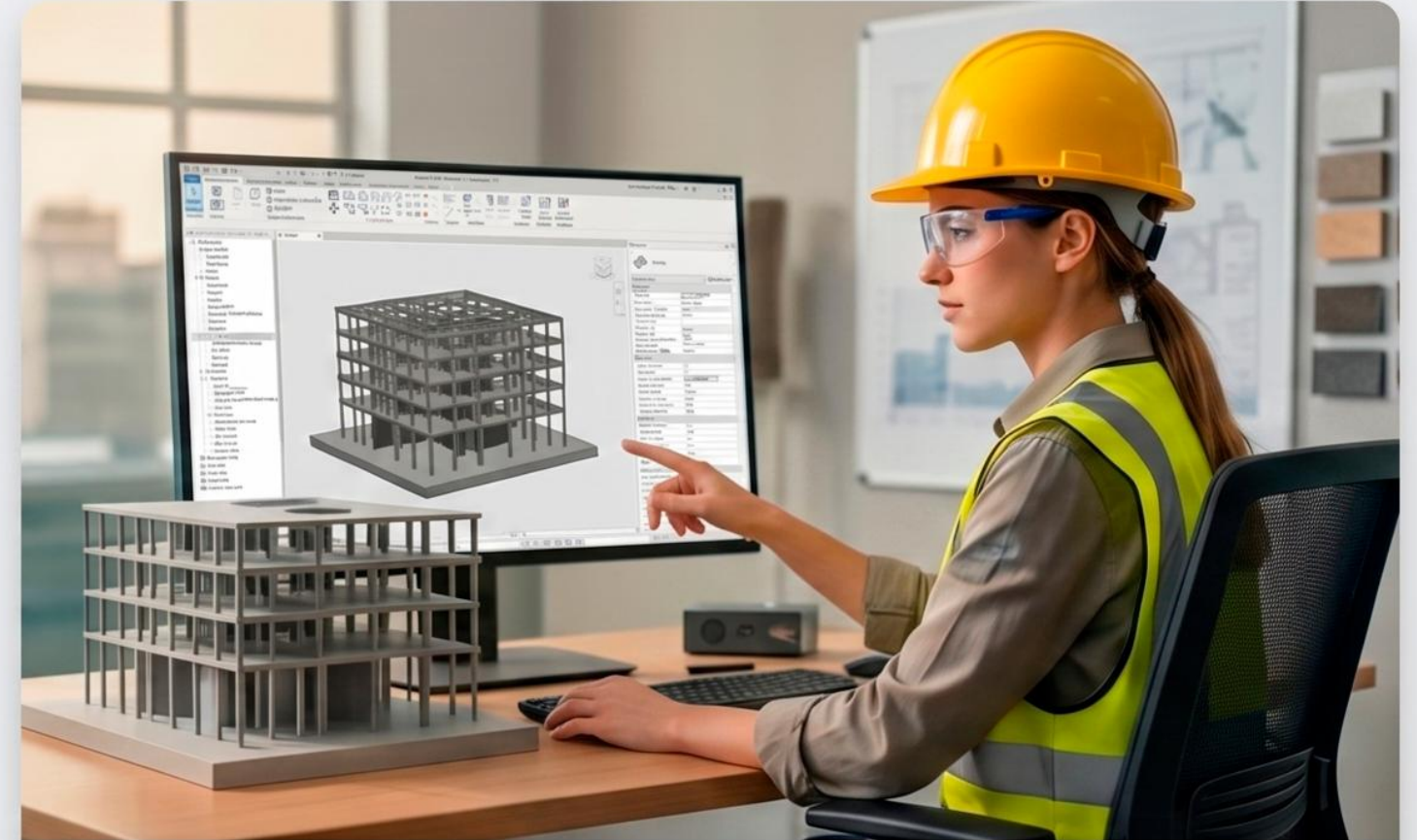


The market demands digital skills and direct manufacturing



Parametric Design

Complex shapes that can only be realized through advanced digital fabrication processes.



BIM Integration

Seamless connection between virtual modeling and automated real-world production.

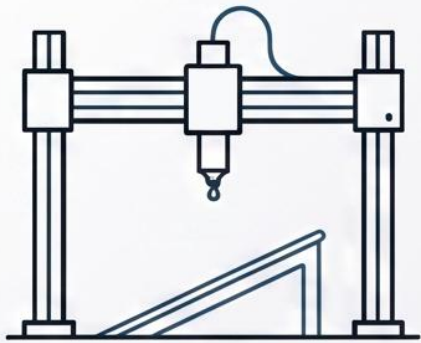
COSMOS 3D: Bridging the gap between academic theory and Industry 4.0

Global pioneers in 3D construction printing solutions, campus-ready.



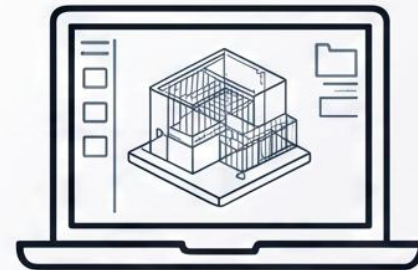
Frictionless Implementation: Turnkey Solution

We design and develop **the best technology** on the market, providing universities with everything needed for the immediate and successful integration of **3D concrete printing** (3DCP).



Hardware

COSMOS 3D System



Software

Proprietary Digital
Ecosystem



Training

Comprehensive Faculty
Empowerment



Installation

On-Campus
Commissioning

A cross-disciplinary platform for multiple faculties

The **COSMOS 3D** system is not limited to a single department. It is a unifying tool that fosters cross-disciplinary '**learning by doing**'.



Civil Engineering

Structural behavior and BIM integration.



Architecture

Exploration of new forms and parametric design.



Industrial Design

Topology optimization and large-scale product development.

COSMOS 3D

Taking research to real-world scale

Facades and architectural elements

Design and fabrication of complex geometry panels, simultaneously evaluating structural and aesthetic performance.

1:1 scale structural models

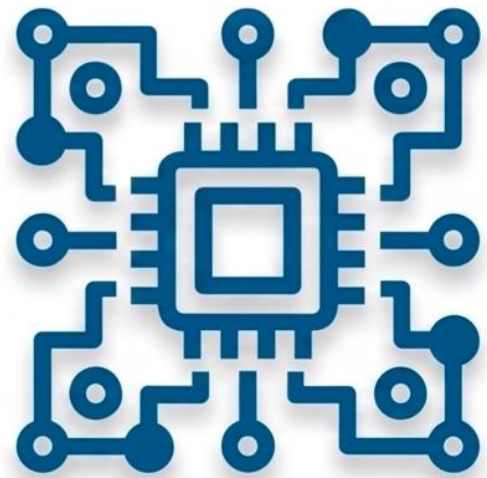
In-depth understanding of load behavior and the direct relationship between printed form and physical strength.

Alternative material testing

Materials engineering research through the formulation of sustainable and innovative concrete mixes.

Strategic value proposition for the Rectorate

Incorporating 3D concrete printing is a necessity to position the university as an undisputed leader.



TECHNOLOGICAL LEADERSHIP

Placing the campus at the absolute forefront of Industry 4.0 and applied innovation.



SUSTAINABILITY COMMITMENT

Promoting maximum efficiency construction and zero waste.



EDUCATIONAL EXCELLENCE

Ensuring unparalleled practical preparation for the future careers of students.



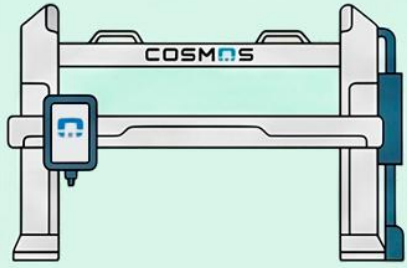
The true bottleneck of industrialized construction is not technology; it is the lack of a skilled workforce.

At Cosmos 3D, we train, support, and certify.

Cosmos Academy - Cosmos AI Platform - CaaS Service



Four Collaboration Options with Cosmos 3D



1) Machine Acquisition

Self-production or for third parties. Includes installation, training, and AI platform.



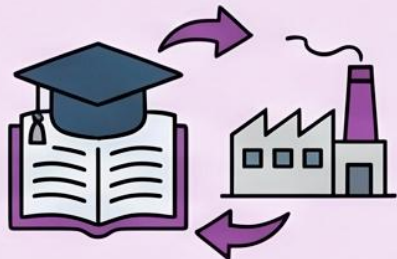
2) Project Participation

Cosmos 3D participates as a consortium member in R&D projects.



3) R&D Project Subcontracting

Cosmos 3D acts as a technological partner through service subcontracting, including prototype design, material testing, and precast construction. Alternatively, the university may opt for the direct rental of our machinery for the duration of the project.



4) Training Agreements

Micro-credentials:

Specialized training in 3D concrete printing integrated into specialized courses for skill acquisition.

R&D Contracts with Educational Components:

Applied research collaborations with student participation within the company.

Specific Agreements: Turnkey Program.

Cosmos 3D designs and fully executes a training program agreed upon and integrated into the University.

Elite universities cannot afford to wait any longer. The future is being printed today.

The Cosmos modular system redefines practical training, materials research, and the employability of your graduates. Let's transform your campus together.

COSMOS^{3D}

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