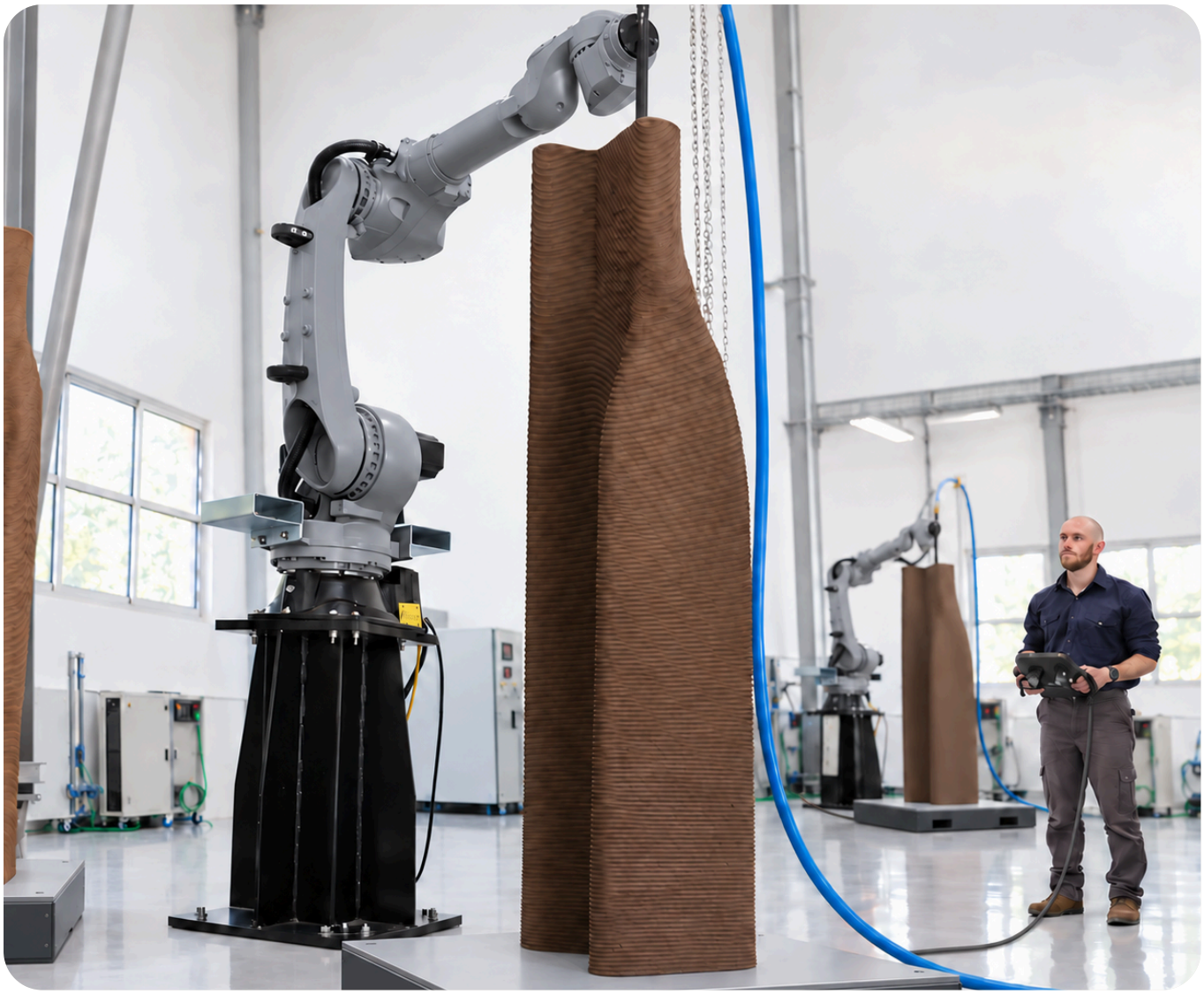


The next generation of construction.

A digital manufacturing platform for construction, integrating materials engineering, computational design and robotic manufacturing in one system - from a single architectural element to a complete building.

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Who we are

Research, technology and industry in one system.

N-FORM was founded where academic research, technological innovation and industrial execution meet. The three founders bring complementary expertise - science and architecture, technology and product development, entrepreneurship, management and business development - and together form the multidisciplinary leadership required to turn advanced research into an industrial platform for digital construction.

The challenge

Construction has yet to undergo its revolution.

Construction remains manual, slow and fragmented, and every project depends on dozens of trades, materials, interfaces and on-site stages. At the same time, the industry faces a shortage of skilled labor, rising input costs, tight schedules and increasingly stringent environmental requirements.

$9.6T

Projected global construction output, 2026

$13.9T

Long-term forecast of global construction output, 2037

~80K

Residential construction projects started in Israel, 2025

Sources: Oxford Economics, Global Construction Outlook 2025-26; Oxford Economics, Global Construction Futures; Bank of Israel, Annual Report 2025



N-FORM brings to construction
a new digital and robotic manufacturing capacity,
complementing existing methods.

The platform

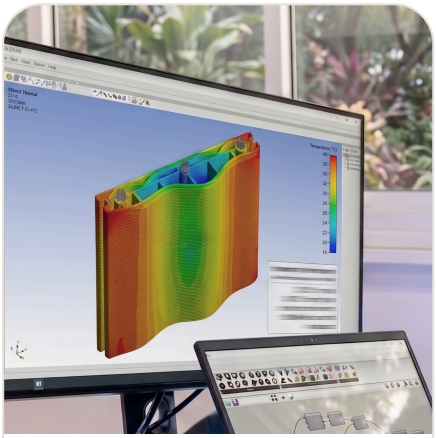
Three disciplines.
One manufacturing system.

N-FORM's value lies in joining three fields that usually operate separately. Here they are integrated into one process, so that every printed element becomes a finished built product.



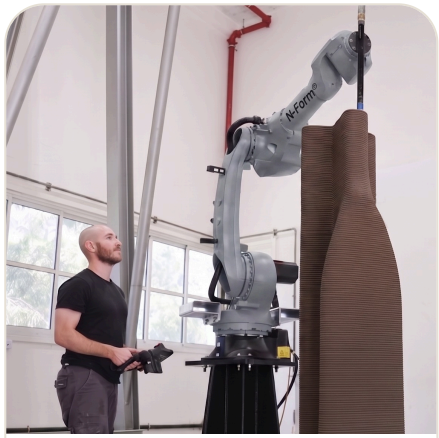
Materials engineering

Mineral print mixes based on local raw materials and industrial by-products, engineered for strength, precision and environmental responsibility.



Computational design

Computational systems that connect geometry, material behavior, structural logic, fabrication constraints and building performance - and determine how the structure is made.



Robotic manufacturing

Robotic 3D printing that turns digital models into full-scale construction, with precision and repeatability - on site or at a nearby local plant.

The process

Digital model

The digital model is translated directly into machine instructions, with no intermediary gaps between design and production.

Material

Machine instructions are translated into material: structure, insulation, acoustics and service routing are formed together in one printed body.

Architecture

Material becomes architecture - through robotic manufacturing, on site or at a local plant. Computational intelligence, translated into architecture.

The advantages

What the platform changes in construction.

Controlled, documented production

Programmed robotic manufacturing ensures precision and repeatability from unit to unit, and reduces reliance on manual work on site.

Material only where it is needed

Printing without rigid molds, with geometry that distributes material according to load and function.

Built-in function

Thermal and acoustic insulation, self-shading and service routing are designed into the body of the element itself.

Less labor dependency, greater safety

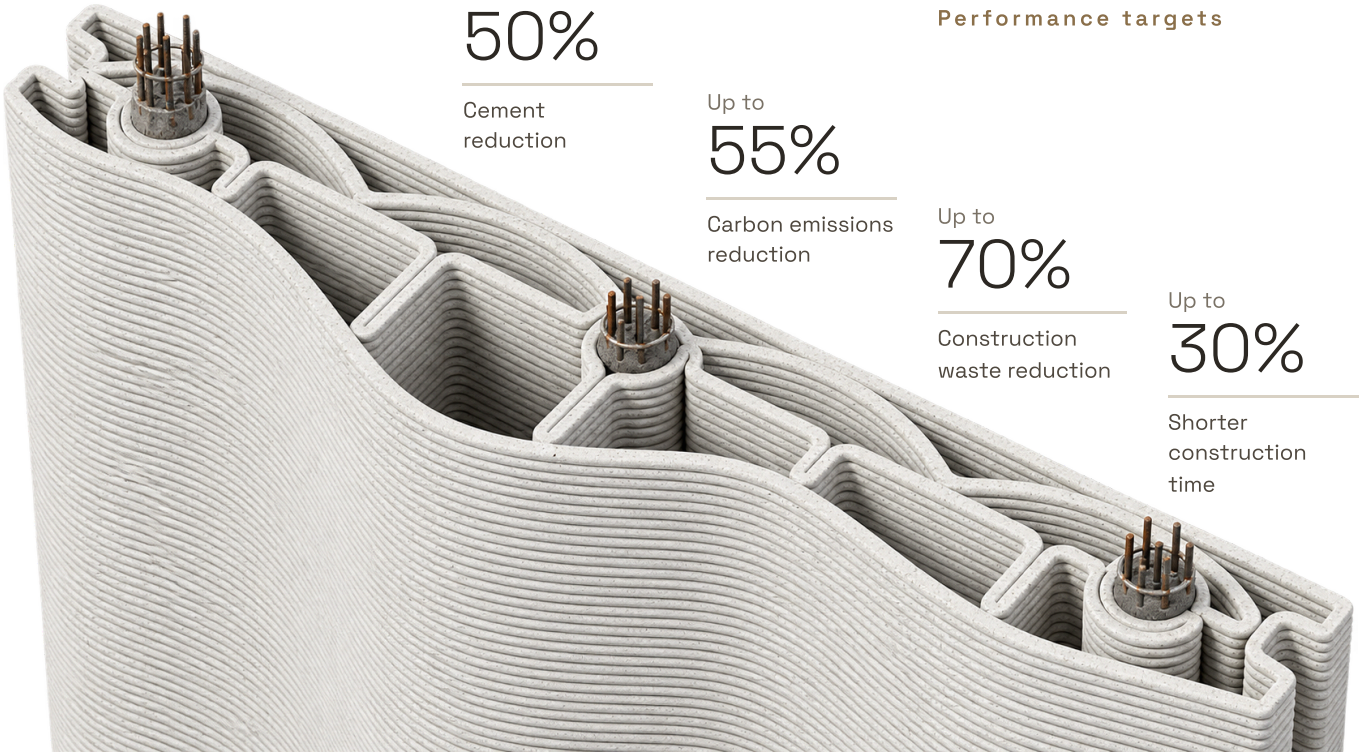
Less work at height and fewer wet stages, with a substantial share of the work moved into a controlled production environment.

Local and recycled materials

Mixes based on local raw materials, industrial by-products and construction waste, subject to engineering design.

Architectural freedom

Morphology tailored to the architect and the client, to the site and to the local material, free of modular template constraints.



Performance targets

Up to **50%** Cement reduction

Up to **55%** Carbon emissions reduction

Up to **70%** Construction waste reduction

Up to **30%** Shorter construction time

Research-based targets, to be assessed for each project and each mix.

Applications

One platform.
Many applications.



Cladding panels Near commercialization

Decorative panels made of local material, with free-form geometry and a broad architectural range, an integrated hanging and anchoring interface, and dry installation.



Envelope walls for high-rise buildings In development

Printed envelope walls with a free-form façade, air cells for thermal and acoustic insulation, and service routing designed within the wall cavity.



Data centers and infrastructure-intensive facilities In development

Reinforced hollow walls, fast to erect, with air cavities for insulation and for routing cooling and infrastructure systems within the wall.



Complete buildings In development

One- to two-story buildings with printed walls.



Defense applications In development



Custom products

Unique architectural and infrastructure components, designed and manufactured to the requirements of the architect, the developer or the authority.

Full technical details for each application are available in **Technology & Applications**.

Scientific foundation

Born at the Technion. Built for industry.

N-FORM grew out of years of research at the Technion in digital construction, advanced materials and robotic manufacturing, and developed its technology with a multidisciplinary team - architecture, industrial design, materials science, civil engineering, robotics and computational design. The technology is backed by scientific research and protected by patent.

The company maintains an ongoing strategic relationship with the Technion for research and future technological development, and the Technion remains part of its research and innovation network.

N-FORM brings together scientific excellence, technology, industrial thinking and entrepreneurship - turning academic innovation into a scalable manufacturing platform for the future of construction.



Maturity roadmap

Today
TRL 4-5
Laboratory-proven technology, research, patent and process know-how.

2027-2028
TRL 6-7
Scale-up, integration and validation in a relevant environment: a demonstration building and first products.

2028-2030
Commercialization
Commercial production and gradual market adoption.

2031+
Expansion
Industrial partners, additional products and new markets.

The team

The people, the science and the technology.



Beni Lavi

CEO · Co-founder

Entrepreneur and business development executive. Leads the company's strategy, commercialization, partnerships and growth.



Prof. Aaron Sprecher

CSA · Co-founder

Leads the company's scientific foundation. Head of the Material Topology Research Lab (MTRL) and the Technion Advanced Construction Center (TACC). An internationally active researcher in computational design, architectural robotics and digital fabrication.



Eliad Michli

CTO · Co-founder

Industrial designer and researcher, a graduate of Unit 81. Leads technology development and the translation of research into systems, processes and manufacturing capabilities.

Advisory board

A multidisciplinary advisory board spanning science and research, architecture and civil engineering, construction and infrastructure, manufacturing and technology, supply chain, defense, finance, business strategy and corporate governance.

Prof. Arnon Bentur
Civil engineering and materials science

Eng. Raul Srugo
Contractor and developer · Former President, Israel Builders Association

Arch. Ofer Manor
Architecture and urban planning · Former Chief Architect, City of Jerusalem

Maj. Gen. (Res.) Eyal Ben-Reuven
Defense · Safety · Corporate governance

Eng. Noam Peleg
Industrial engineering and management

Eng. Yochanan Grosswirth
Building and structural engineering

Dr. Israel Tal-Saranga
Business development and commercial strategy

Ofer Ezuz, CPA
External CFO · Economics and finance

Legal and accounting advisors

Meitar
Legal counsel

KPMG Somekh Chaikin
Accounting



Let’s build together.

We would be glad to present the technology, share physical samples and explore a project, product or collaboration together.

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www.nform.tech

Scan to visit our website

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The technology is patent protected. Figures in this document are research-based targets and do not constitute a commitment. Performance and compliance with standards are assessed for each project.