

04 — 3D-PRINTED CONSTRUCTION

# THE FUTURE OF BUILDING. AVAILABLE TODAY, IN ARMENIA.

Construction-grade 3D printing — from design to turn-key. Faster build times, lower material waste, and geometric freedom traditional methods can't match.

# REAL CONSTRUCTION. PRINTED LAYER BY LAYER.

3D-printed construction is no longer experimental — it's building real, permanent, livable structures around the world, and Black Stone is one of the few contractors operating construction-grade printing in Armenia. A printer lays the structure in continuous layers of specialised concrete, cutting weeks off the schedule, reducing material waste, and making curved and complex shapes as easy to build as straight walls.

## WHAT WE DO

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### **Design to turn-key delivery**

We design, print, and finish the structure — the same single-signature accountability as our traditional builds.

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### **Faster build times**

Printing the structural shell takes days, not weeks. The schedule compresses dramatically.

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### **Reduced material waste**

The printer deposits only the material needed, where it's needed. Less waste, lower material cost, smaller footprint.

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### **Custom geometries**

Curves, organic forms, and complex shapes that are slow and costly with blocks are straightforward to print.

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# FOUR REASONS IT CHANGES THE MATH.

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## Speed

Structural shell printed in days. A printed home reaches lock-up far faster than a block-built equivalent.

## Cost

Less labour on the structure and less wasted material reduce the cost of the shell.

## Sustainability

Precise material deposition means less waste sent to landfill and a lower carbon footprint.

## Design freedom

Curved walls and custom forms cost little more than straight ones — design without the usual penalty.

# THE PROCESS.

01	<b>Consultation</b>	We discuss your project and whether printing is the right method for it.
02	<b>Design</b>	We design to the strengths of the technology — including forms traditional building can't easily achieve.
03	<b>Printing</b>	The structural shell is printed on-site, layer by layer, in days.
04	<b>Systems &amp; finishing</b>	Piping, electrical, and full finishing — the same in-house standard as every Black Stone build.
05	<b>Turn-key handover</b>	A finished, move-in-ready structure.

## SELECTED WORK

# BACKED BY A REAL BUILDER.

3D printing is impressive on its own — but it's only as good as the company behind it. Black Stone brings a government-vetted construction track record to every printed project.

### Masiv School Renovation

Masiv, Yerevan

Government project · 5,840 m<sup>2</sup>  
2026

### Aragatsavan School

Aragatsavan, Aragatsotn

Government project · 3,400 m<sup>2</sup>  
2025

### Goris School No. 3

Goris, Syunik

Government project · 2,800 m<sup>2</sup>  
2025

### Rare capability in Armenia

One of the few Armenian contractors with operational construction-grade 3D printing.

### A proven builder, not just a printer

Government-standard construction experience behind every printed structure.

### Single signature, end to end

Design, printing, systems, and finishing — all Black Stone.

### Sample designs ready to deploy

Proven, printable designs available now — or we design to your brief.

# SEE WHAT PRINTING COULD BUILD FOR YOU.

The fastest way to understand 3D-printed construction is a fifteen-minute conversation. Call us, tell us about your project or your land, and we'll tell you straight whether printing is the right method — and what it would save you in time and cost. We'll even show you sample designs ready to build.

Call +374 94 28 58 36 — or send your project details and we'll come back within one business day.

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