



3DCP TECHNOLOGY

- Software + Hardware
- Robots
- Artificial Intelligence
- · CAD 3D

ROBOTICS



ROBOTIC ARM

GANTRY SYSTEM

THE JOB SITE ORGANIZATION

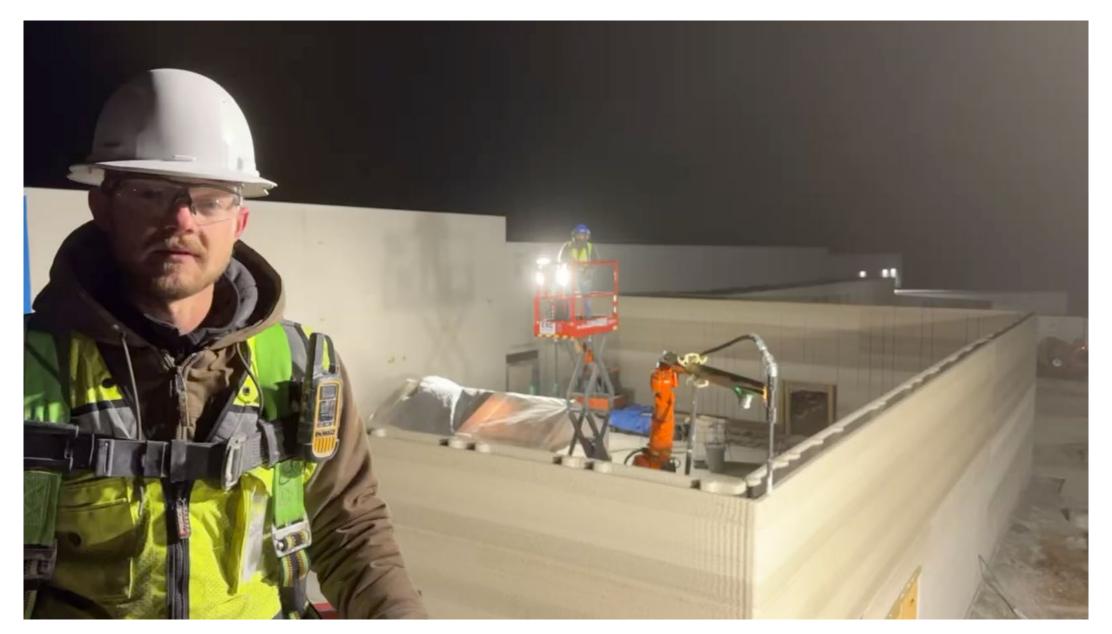


ONE OF THE LARGEST 3DCP COMMERCIAL PROJECTS IN THE HISTORY OF THE U.S.

2024







GAINED EXPERIENCE

LESSONS LEARNED + DATA RESULTS FROM WALMART PROJECTS



- Set a national benchmark First and largest 3Dprinted commercial structure in U.S. history
- **Pioneered without a playbook** Overbuilt to guarantee success In the absence of industry standards
- **Real-world tested** Navigated extreme heat, lightning delays, and unplanned weather interruptions
- Pushed equipment to the edge The scale and duration exposed key hardware gaps that informed our U.S.-made system
- Catalyst for innovation Every challenge led to new learnings that now power our second-gen system and process improvements

GAINED EXPERIENCE

LESSONS LEARNED + DATA RESULTS FROM WALMART PROJECTS



- Simplified the build, kept the strength Smarter design + engineering reduced complexity without compromising safety
- Aligned from day one Close coordination between
 Walmart, FMGI, and Alquist made phasing fast and fluid
- Wall system 75% faster Compared to traditional block methods, we slashed the vertical build time
- Saved serious time and money Wrapped the job ~3
 weeks early, unlocking ~\$100K in total project
 savings

GAINED EXPERIENCE

LESSONS LEARNED + DATA RESULTS FROM WALMART PROJECTS

ATHENS, TENNESSEE	Average Traditional Construction	OWENS CROSS ROADS, ALABAMA
BUILDING SIZE		
8K Square Feet	6.5K Square Feet	5K Square Feet
DURATION		
91 Days	35 Days	10* Days
MATERIAL WASTE		
50%	10%	5%
VERTICAL WALL COST		
\$574K	\$312K	\$260K
ROBOTS USED		
2		2
CREW SIZE		
10 Laborers	12 Laborers	5 Laborers

^{*7} days total print time



A Walmart Supercenter's new expansion is one of the largest 3-D printed commercial realestate projects in U.S. history.

THE WALL STREET JOURNAL.

THE FUTURE

STARTING A COMPANY & AN INDUSTRY

Two Walmart Projects represent the beginning of the 3D commercial industry

MASS ADOPTION IS NEXT

Next 10 years will see 3DCP printers on every job site



QUESTIONS?

THANK YOU!

The 3DCP Commercial Team











