Lamarr.AI

hazelview VENTURES

BACKING WHAT'S NEXT IN BUILDING ENVELOPE ASSESSMENT

ABOUT LAMARR.AI

Lamarr.AI delivers autonomous, rapid diagnostics of building envelopes by leveraging drone technology, AI analysis, and cloud computing. The company is the result of six years of Department of Energy-funded research conducted at MIT, Georgia Tech, and Syracuse University.

Thermal images captured by drones or handheld cameras can be seamlessly uploaded to their AI platform for automated analysis, generating detailed reports and interactive 3D models to help building owners, engineers, and auditors make faster, more informed decisions about building performance.

Industry
Building Inspection

Location
Atlanta, Georgia

Year Founded
2023

DR. TAREK RAKHA
CEO & Co-Founder

- Associate Professor and Director of the High Performance Building lab at Georgia Tech.
- 15 years experience in Building Technology.
- His work in building technology, urban energy sensing, and climate resilience has secured over $7M in funding from the U.S. Department of Energy, the NSF, and major industry partners, and has produced more than 70 peer-reviewed publications. He holds a Ph.D. in Building Technology from MIT.

DR. NORHAN BAYOMI
COO & Co-Founder

- Norhan earned her PhD in Building Technology from MIT in 2022, following a master's degree in the same program in 2017. She is currently a post-doctoral fellow at MIT's Environmental Solutions Initiative and serves as lead researcher at the Urban Metabolism Group. Her work integrates artificial intelligence, design, and technology to address challenges in the built environment.

JOHN E. FERNÁNDEZ
CSO & Co-Founder

- Director of the MIT Environmental Solutions Initiative.
- Former Head of MIT Building Technology Program.

DR. SENEM VELIPASALAR
COO & Co-Founder

- Professor at Syracuse University: Department of Electrical, Engineering & Computer Science.
- Ph.D. and M.A. in Electrical Engineering from Princeton University.
- NSF Career Awardee.

THE CHALLENGE

Lamarr.AI is addressing one of the built environment's biggest pain points: inefficient, costly, and carbon-heavy building envelopes.

- Buildings account for 40% of global CO2 emissions.
- $100B wasted annually in the US by defective envelopes.
- 20-40% reduction in energy possible via envelope retrofit.
- Building envelope assessments are costly, inaccurate and time consuming.

KEY MILESTONES

AUGUST 2024

Closed 1.1M USD pre-seed funding round led by Hazelview Ventures with participation from Milemark Capital, Newlab, Georgia Tech's Venture Fund and MIT's SBXi Fund.

OCTOBER 2024

Selected by the General Services Administration (GSA) to be piloted on several government buildings.

NOVEMBER 2024

Launched commercial product in North America and the MENA region.

JUNE 2025

Launched a pilot with the city of Detroit to identify opportunities for improved municipal building operations and energy efficiency.

THE LAMARR.AI DIFFERENCE

Lamar.AI leverages drone flights and LIDAR imaging to detect energy loss in building envelopes, then translates that data into actionable ROI-driven recommendations. Their AI platform makes envelope audits:

10x Faster

50x More Accurate

5x Cheaper

THE HAZELVIEW VENTURES EDGE

Why Hazelview Ventures invested?

- Prior to our investment, Hazelview flew Lamarr over one of its new developments. The testing allowed Hazelview to assess both performance and practical fit. These early results validated the solution for Hazelview Ventures and provided confidence in the team and product.
- We see potentially to scale this across our portfolio as their solution aligns with the firm's broader strategy of integrating tech-enabled solutions that balance sustainability, efficiency, and high ROI.

How Hazelview supports them

- Test bed: we have flown 2 properties to date.
- Customer/ecosystem introductions.

> LAMARR.AI IS AN EXCELLENT EXAMPLE OF THE TYPES OF NEW APPROACHES THE BUILDING INSPECTION INDUSTRY NEEDS TO ACCELERATE THE JOURNEY TO NET ZERO IN A FINANCIALLY SUSTAINABLE WAY.

– ROGER POIRIER

CO-FOUNDER,
HAZELVIEW VENTURES

LOOKING AHEAD

Lamarr.AI plans to launch a seed funding round in the first quarter of 2026 to grow the team, expand the product, and capitalize on strong market demand.

The team remains focused on securing additional annual service contracts and is actively engaged in discussions with several portfolio owners and large channel partners.

They continue to advance their product development road-map, enhancing the user experience and increasing their capacity through further automation.