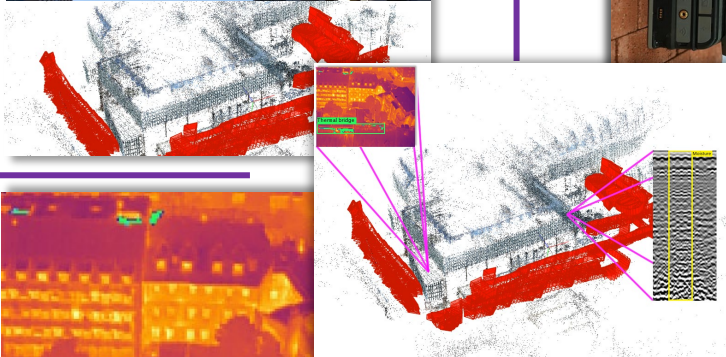# EASEEbot
Robotic Envelope Assessment System for Energy Efficiency
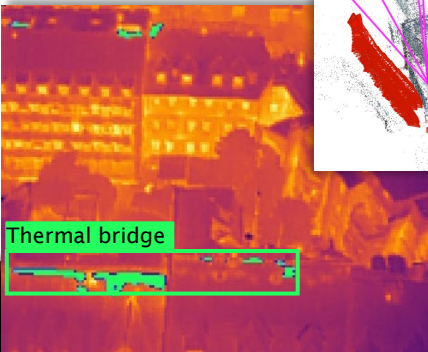
NYU

Need for mapping inspection results spatially on envelopes

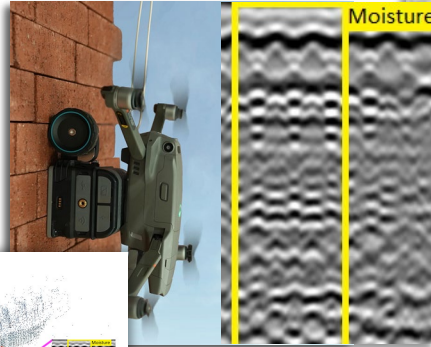EASEEbot's **drone** can scan an entire building envelope while the inspector remains on the ground.

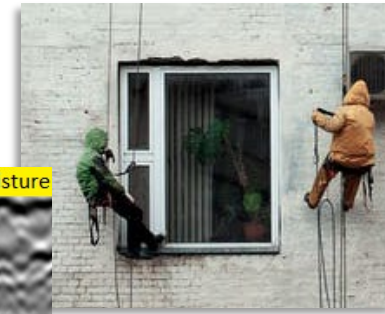EASEEbot's **AI** can help building inspectors to identify the building envelope issues.

Thermal bridge

Need for Recognizing envelope defects from infrared images and other data requires experience.

Need for comprehensive assessment of building envelopes can be costly to obtain.

Moisture

EASEEbot's **wall climber** can non-invasively scan for deep envelope issues like moisture, using a radar sensor.

EASEEbot's **robo-dog** can project onto surfaces location-specific graphics for guiding workers during retrofitting.
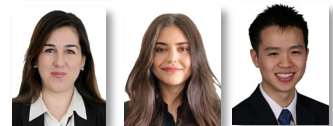
Need For retrofit coordination can be difficult and time consuming for workers.

Our Mission at EASEEbot is worker safety and productivity.

We anticipate a TAM of $5.44B and a SAM of $12.4M in New York alone.
We are located in New York City and have a large group of industry partners.

Our Team is led by leading experts in computer vision, AI, and building informatics. We have the right mix of technical and commercial ability to pursue this project.

Our Team

AI4CE

BI LAB

Our Partners

BET Building Envelope Testing LLC

SGH

NYU Facilities and Construction Management

ENTUITIVE

WJE Engineers Architects Materials Scientists Wiss, Janney, Elstner Associates, Inc.

Steven Winter Associates, Inc.

FCA

WS WHEATON SPRAGUE BUILDING ENVELOPE

CUMMING Building Value Through Expertise

ICARUS FLYING ACADEMY

LEANFM TECHNOLOGIES

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