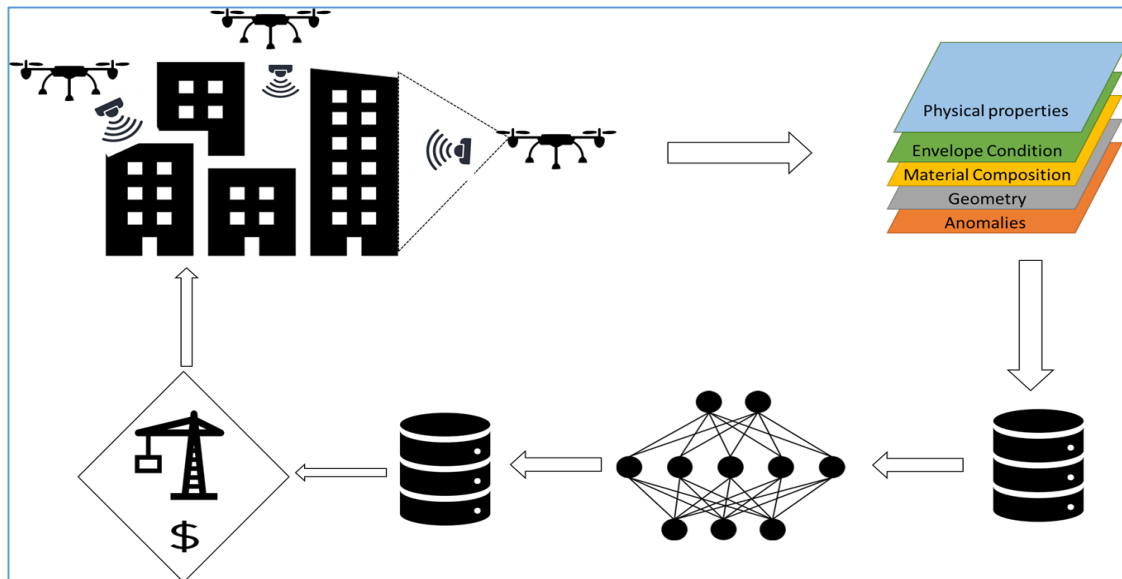


Multi-Building Network Web-based Digital Tool for Accelerating Building Envelope Retrofit for Energy Efficiency: Towards a Fully Automated Process



Solution meets the following needs:

- Sensor and inspection tools
- Mapping tools

Proposed solution relies on:

- Autonomous drones
- Advanced NDT sensors and computer vision
- Interpretable machine learning
- Cloud database
- Building-envelope-expert-in-the-loop participation for initiation and validation of process

Team and Capabilities

- Our team consists of mechanical, electrical and computer engineering researchers as well as building science experts, building owners/operators, and NDT and advanced sensor experts. The team is diverse and the members complement each other's expertise in a synergistic manner.