

Challenge:

- Inaccessible attics in a large number of US homes are not air sealed or insulated → large heating and cooling bills
- Hard to attract workers to attic retrofit jobs due to harsh and hazardous working conditions & extreme temperatures.

Proposed Solution:

- Use robots to crawl around attics to clean and air seal;
- Use drone thermal capture technology for diagnostic pre-retrofit and for measurement & verification (M&V) post retrofit.

Business Model: (a) Sell robots for cleaning & air sealing to attic contractors: \$16K

(b) Sell subscription to drone survey software tool: \$1k/year/seat/GB

Team: Over 20 years of experience in 3D outdoor and indoor mapping systems with transitions to Google Earth, and Hilti AG. Over 11 years of experience in developing technologies for construction, and building energy efficiency industries.

RoboAttic

