

Cover Page

Title: RoboAttic: robotic system for cleaning and air sealing inaccessible attics.

Short description: RoboAttic suite of products clean, air seal, and insulate attics and other confined spaces. The system is composed of multiple base robots and payloads, remotely controlled by a human operator, mobile pressure vessels, and vacuum and dispense hoses. Drone captured thermal images are used for pre-retrofit diagnostic and post-retrofit measurement and verification. Due to the difficulty in finding, training and retaining workers to crawl through these unsafe, hazardous, and unhealthy attic spaces, the system is expected to significantly expand the number of confined spaces that can be air sealed and insulated.

- Key Project Members:
 - Avidesh Zakhor, Avidesh.Zakhor@signteron.com
 - Emily Lathrop, lathrop.em@gmail.com
- City and state: Berkeley, CA.
- Other Partners: RDH, Envisionit Engineering, Jim Shoup Consulting.