



CASE STUDY

Dramatic reductions on challenging urban sites

Rodent activity reduced 56% and 39% respectively

A case study of a data-driven rodent management pilot program

The pilot program for **Aardvark Pest Management** of Philadelphia aimed to evaluate the effectiveness and feasibility of using sensor technology and remote monitoring in pest management. The specific objectives were to monitor and detect rodent activity accurately and in real-time, to provide comprehensive data insights into rodent behavior and environmental factors, to assess the effectiveness of sensor-based interventions in reducing rodent populations, to optimize resource allocation, response times and software effectiveness based on sensor data, and to enhance customer satisfaction through a proactive, data-driven approach.

White paper

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A full-service university cafeteria showed **rodent activity decreased by 56%** in an eight week period



White paper

A busy urban hospital kitchen showed rodent activity decreased by 39% over eight weeks

 ever smart
rodent



The pilot by **Aardvark Pest Management**, conducted between March and June 2024, highlighted the challenges and benefits in shifting from reactive, manual approaches to proactive, data-driven strategies. By harnessing sensor data technology to software capable of real-time data analytics, the pilot demonstrated that Pest Control professionals can now obtain unprecedented levels of precision, efficiency, and effectiveness in combating rodents while minimizing environmental impact and optimizing resource utilization.



[Download a pdf of the whitepaper here](#)

The nine-week study reduced rodent activity at two sites:

Site 1: Full-service cafeteria and kitchen setting in a major urban university campus. Rodent activity decreased by 56%, from an average of 41 instances per week to 18 instances.

Site 2: Busy kitchen and cafeteria in a large urban hospital. Rodent activity decreased by 39%, from 23 instances per week to 14 instances.

The pilot dramatically reduced rodent activity on both sites. With relative ease, the PCO adopted and integrated valuable IoT-generated activity data into its operational cadence, learning and quickly adjusting to the new visibility that the technology provided. Adoption of an IoT-based rodent management solution offered numerous tangible benefits for the PCO and well as its large commercial end customers. These include enhanced effectiveness through early detection and timely interventions, cost savings on rodenticide and fuel, and improved convenience and accuracy with remote monitoring capabilities.

