



The ESA Business Incubation Centre in Harwell, UK, started its operations in 2011 and is managed by the Science and Technology Facilities Council (STFC). It is located at Harwell Campus, a world leading science, technology and business campus based in South Oxfordshire with more than 4,500 researchers, engineers and innovators from over 150 high-tech organisations, and a focal point and cluster for the UK's rapidly growing high-tech space community.

Insect Research Systems

Taff Morgan (CTO) and Jason Littler (CEO) showcasing their innovative detection technology



insect
RESEARCH SYSTEMS

[Website](#)

Founded in 2013 by

- Jason Littler
- Taff Morgan

Incubation period

01-06-2014 to 01-06-2015



space solutions

Alumni

About Insect Research Systems

Insect Research Systems Ltd is developing technology for monitoring bed bugs in hotel rooms for the near-real time detection of their diagnostic chemical signatures. The company is building upon the know-how and experience of developing instrumentation for solar system exploration, such as ESA's comet chasing Rosetta mission, and subsequent translational projects at The Open University addressing a range of challenges back here on Earth.

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The challenge

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The solution

ESA BIC Harwell company, Insect Research Systems Ltd, is developing a novel detector that enables the global hospitality industry to reproducibly and accurately monitor for the presence of bed bug infestations. Their near-real time monitoring system can be used to rapidly screen premises. When utilised as part of an appropriate management strategy it can form a due diligence defence in the case of a customer complaint. It may also be used to determine if a treatment has been successful in eradicating the problem.

