ClanTect MDT

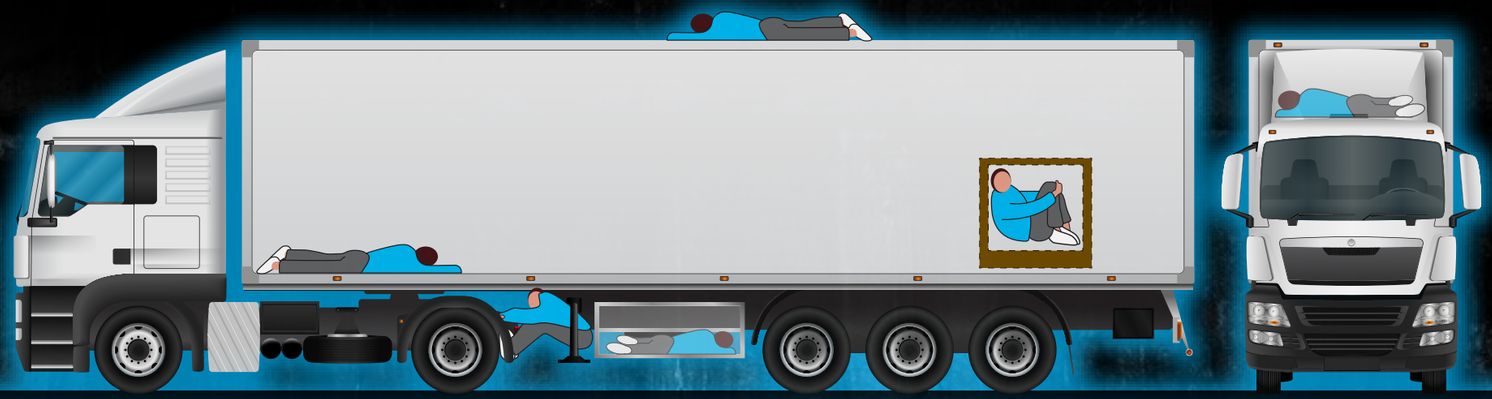
There's No Hiding Place

.....found in a Heartbeat!

Used by UK Border Force

www.clantect.com

ClanTect MDT



Clantect: The Company.

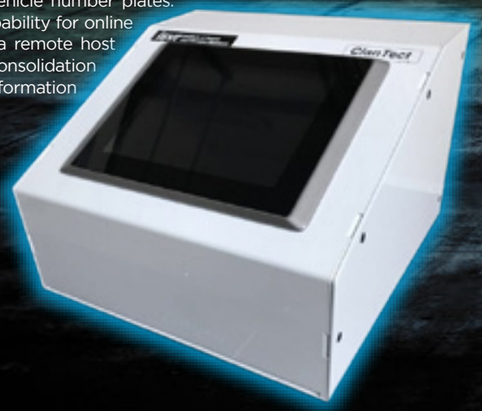
Clantect was founded by Professor Steve Daley and Dr Ilias Zazas, who are world leading experts in the field of sound and vibration. In partnership with Southampton University and the Institute of Sound & Vibration Research, Clantect's 'Motion Detection Technology' has set new standards for accuracy, reliability, flexibility and ease of use, in the detection of clandestine presence on vehicles.

Clantect: The Motion Detection Technology.

Clantect's MDT goes way beyond the limitations of other forms of scanning technologies, which are inadequate in the application of the detection of humans in heavy goods vehicles. Equally, manual searches of heavy goods vehicles are both impractical and inefficient - they would involve too many people and would require the lengthy removal of the goods and cargo - it would take too much time to complete this for each vehicle (causing massive traffic hold ups), and, most important, manual searches are not thorough enough and will often miss hidden human presence.

The solution is Clantect's Motion Detection Technology.
Clantect's MDT works by the detection of any 'vehicle-induced' vibration, including even the faintest of movements, such as the agitated heartbeat of a human occupant. The system is able to execute and complete a 'sensory test', which will detect a hidden intruder very quickly.

Clantect's MDT is deployed and controlled by a ruggedised Computer Terminal, which is positioned in the inspection area for the vehicles. Highly sensitive sensors (normally 2) are attached to the side of the vehicle and perform a 'sensory test'. If there is any sound and movement detected, the system provides an automated alert to conduct a search of the vehicle. The whole process is automated: very fast and very simple. The Clantect Software manages the processes, capturing and analysing the results of each 'sensory test', as well as compiling key data, such as vehicle number plates.
There is also the capability for online 4G connectivity to a remote host computer, for data consolidation and management information reporting.



Clantect: The System Highlights.

- **High Accuracy:** Clantect uses advanced algorithms, signal processing and systems logic to eradicate any background interference (such as vibration from passing traffic). This ensures that the readings are interpreted correctly. So any even the faintest noise or vibration, emanating from the vehicle, will be detected, such as an agitated heartbeat. Clantect's highest performing accuracy has been validated by independent authorities.

- **Ruggedised Durable Equipment:** Designed to be used in 'harsh' outdoor conditions, e.g. encased in a protective metallic frame, and with MIL-Spec connectors.

- **Rapid Throughput Times:** A complete 'sensory test' of a vehicle can be completed in approximately, only a minute. So the daily operations of the border controls and gate stations, particularly traffic flows, are not adversely impacted.

- **Ease of Use and Operation:** The sensors are quickly and easily attached to the exterior of the vehicle, and with no further operator intervention, the system automatically executes a 'sensory test' of the vehicle. The Computer Terminal is menu-driven and intuitive, with very minimal data entry: it's automated from Start to Finish.

- **Multi-Vehicle Format Configuration:** The system can be utilised for different types of heavy goods vehicles: trucks, roll-on/roll-off containers, coaches, cement mixers, tankers, etc.

- **Automatic Data Capture and Update:** The results of the scan are automatically captured and processed, i.e. no manual input nor intervention required. Quick & Simple and Ready for the next vehicle.

- **Vehicle Number Plate Recognition:** The number plates of all vehicles are automatically and instantly recorded on the system. This provides critical data for operational reports (vehicle tracking) and for auditing purposes.

- **Remote Data Management & Communications:** All Clantect terminals can transfer data to and from head-office organisations via 4G networks, both nationally and internationally. This means a rapid and easy consolidation of up to date information into the head office host computers. It also enables the Head Office to access all Clantect Terminals remotely, for operational support and diagnostics.

- **Multiple Vehicle Scanning:** The Clantect system can provide for multi-vehicle scanning from a single terminal, particularly useful for the larger transport inspection bays.

- **Multiple Language Capability:** The system is available in most languages, and is already deployed in multiple countries.

- **Sensor Health Check & Validation:** The Clantect system provides for an automated sensor health check, with built-in alarm and audit reports. This ensures that the sensors are functioning correctly, and highlights any irregularities.

- **Geophone Testing Station (GTS) module:** This is an additional terminal which manages and extends the life-cycle of the Clantect sensors and cable components. This executes tests on the accuracy and throughput of the sensors, and provides management information data, highlighting any key performance issues.

- **CE Certified:** The Clantect system has CE Certification, a key quality assurance.

MDT
MOTION DETECTION TECHNOLOGY

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Border Crossings

Restricted Areas

Gated Compounds

Prisons

Ports

High Security Facilities

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isvr Institute of Sound and Vibration Research

Clantect Ltd
Institute of Sound and Vibration Research
Southampton, SO17 1BJ, UK
Phone: +44 (0) 23 8059 3043
Email: info@clantect.com
www.clantect.com

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