



# **BREATH-SEEKER**

**MONITOR / TRACK / LOCATE**

**Alerting haulage companies to the  
presence of people in enclosed spaces.**

<http://breath-seeker.com>

# BREATH-SEEKER

MONITOR / TRACK / LOCATE



The Breath-Seeker device has been designed as a security measure to monitor the Co2 levels in confined spaces. It is a stand-alone monitoring and tracking device which rapidly alerts haulage companies, drivers and vacant property owners when they have possible stowaways or thieves on board, or in their vacant spaces, by monitoring Co2 levels. With a full UK patent, it is the only device on the market which can be left to monitor Co2 levels when the confined space is in motion.

The easy to place device with magnetic attachments is trackable through GSM and GPS signals which help send an accurate location of

where the stowaways or crime is happening. Using an online portal, operators can see where the containers are, whether in motion or static, and can pin-point the exact moment and location when the Co2 levels have increased. This results in the operator having time to safely inform security or police about the situation.

Along the Calais border there has been roughly 39,000 attempts to cross the border in the last year, making it a dangerous place to be for lorry drivers. With a fine of up to £2000 per stowaway, drivers and companies have been increasing their security measures. However, this is not always the case with stowaways getting increasingly clever finding new ways to get on board. The Breath-Seeker device informs the driver so they can pull over into a controlled check point to inform the police and remain at a safe distance

With a full UK patent, the Breath-Seeker device is like no other on the market, it's the only device to combine 3G tracking and Co2 monitoring systems. Our competitors are all hand-held devices and are mainly used by authorities due to the extremely high pricing of the products.

Border control use hand-held Co2 devices, though intermittently, as during busy peaks every vehicle cannot be checked. If a driver believes they have possible stowaways on board they can pull over where specialised forces wait to remove them whilst the driver is safely in their cabin avoiding the £2000 fine. However, drivers do not always notice that stowaways have managed to gain access. The Breath-Seeker device will send a text, email and notification through the online portal notifying the rise of Co2 levels in the confined space. With a rating of IP54 the device can be positioned in a variety of environments ensuring complete protection with a range of antenna options available. Other Co2 detectors on the market share a short 12-hour battery life and are hand-held devices with detachable probes. In comparison to our device these do not compare to our 3-month battery life and wireless monitoring solutions. The Breath-Seeker device can be stored in confined spaces, whether static or mobile and constantly measure the Co2 levels in the air. The device can be used in a range of locations such as; cargo holders, containers, lorry trailers, empty premises, vans left overnight and other confined spaces prone to theft or trespassers.



The device will be sold as an upfront cost plus an additional monthly charge for the sim card.

The Breath-Seeker device has a full UK patent and has been designed as a security measure to monitor the Co2 levels in confined spaces. It's a stand-alone monitoring and tracking device alerting haulage companies, drivers and vacant property owners when they have possible stowaways or thieves by monitoring the Co2 levels.



Intellectual  
Property  
Office

**“A cost-effective safety, security measure to help the prevention of damage and theft.”**

## The UK's First and Only CO2 Detection Device for Confined Spaces.

In late 2014 we noticed in the news more stories about the wars in the middle east and the migrants travelling over to Europe.

A recorded 18,000 migrants were going to extreme lengths to cross the border, such as using make shift boats and climbing into the back of lorries.

**“Drivers were being fined £2000 per stowaway even if they were unaware about the stowaways.”**

At first we thought, border control will have plenty of security measures in place, then in the first few months of 2015 the numbers rose and the migrant crisis gained traction.

We did our research and checked for solutions, drivers were being fined £2000 per stowaway even if they were unaware about the stowaways in their enclosed space. This didn't seem fair to us, we knew how much a fine like that could damage a business. So we decided to help.

We came up with a device to monitor the CO2 levels in enclosed spaces. We had noticed border control were using manually operated hand held Co2 devices but these were only used when they had time to check the lorries.

A key part to our device was we wanted it to work autonomously. We wanted it to operate whilst on the move monitoring the CO2 levels. In late 2015 the Breath-Seeker device was born and granted a full UK patent in 2016.

We created a cost-effective safe security measure to help the prevention of damage and theft. An autonomous monitoring and tracking device to alert haulage companies and drivers when they have possible stowaways in their enclosed spaces by monitoring the CO2 levels.

### PRODUCT OVERVIEW

- Full UK Patent Secured in 2016
- Easy Installation
- Use in Any Enclosed Spaces
- 3G Wireless Technology



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## Stowaways: The Facts

**OVER £6.5M**  
**IN STOWAWAY FINES**

triple the amount issued the previous year

**7,300** CALAIS  
JUNGLE

people currently live in the

In 2015

The number of stowaways arriving  
**AT BRITISH PORTS**  
ROSE TO 6,429 FROM 2,411 IN 2014

**39,000** CHANNEL  
CROSSINGS

ATTEMPTED BY MIGRANTS IN 2015  
More than double the amount in 2014

350 Stowaways enter Britain  
**EVERY WEEK**

Compared to 150 per week in 2015

The British freight industry is losing  
**£750,000 A DAY**  
due to problems caused by stowaways

**£10** MILLION  
of food is wasted every year due to  
**STOWAWAY  
CONTAMINATION**

BREATH-SEEKER



### Easy Installation

Simply place the Breath-Seeker device into a container.



### Good Coverage

The device can cover large, confined spaces.



### Instant Notification

Email and text notifications sent to owner if device detects raised CO2 levels.



### Rechargeable Battery

Lasting upto 4 months.



### Cost Effective

When compared to £2000 fine per stowaway and competitors.



### Prevent Crime

Can be used overnight in any vehicle.



### No Competitors

All other products in the market are handheld devices - not left in containers or confined spaces.



### Reduce Border-Control Spend

Average costs of £700,000 a day to activate and control the Kent stack on the UK side of the Channel Tunnel.



### Stowaway Damage

£10m of fresh food is binned each year due to stowaway contamination.

### Doesn't Prevent Trespass

Informs owner, that someone has entered their container or confined space.



### Reduced Battery Life

Setting a report rate of 1 minute will reduce the device's battery life faster than setting a report rate of 10 minutes.



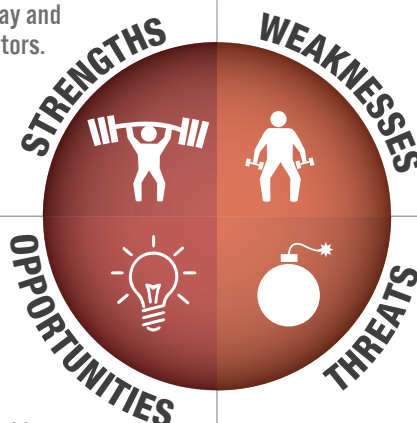
### Brexit

Nothing decided yet, but the UK's relationship with France has already been tarnished.



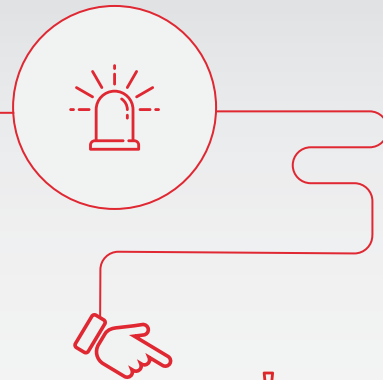
### Alternate Products in the Market

AMC-CD-2 and Gas Data GFM226 already used at borders, although both require manual operation.



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Breath-Seeker is a stand-alone monitoring and tracking device to rapidly alert haulage companies and drivers when they have possible stowaways on board their lorries and containers by monitoring the Co2 levels.



## THE FACTS

**£2,000**



Drivers are facing fines of up to £2000 per stowaway

**7,300**



There are currently 7,300 migrants living in the Calais Jungle.

**39,000**



A recorded 39,000 attempts were made by migrants to cross the channel in 2015, this is more than twice the amount in 2014 which reached a recorded 18,000 attempts.

**5,350**



Globally it has been estimated that over 5,350 migrants died in 2015 attempting to cross borders.

**1/3**



On average an estimated 1/3 of lorries arriving at the border do not have the advised standards of security.

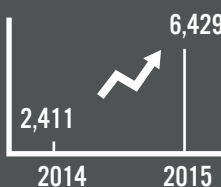
**527 of 598**



According to TAPA, 527 of 598 new cargo crimes were thefts or attempted thefts involving trucks, with Theft from Vehicles the most recorded type of incident in 52.7% of cases

## THE DAILY STRUGGLE AT THE PORT

NUMBER OF STOWAWAYS  
ARRIVING AT THE PORT



**1,500**

Every day more than 1,500 migrants try to storm the freight area with just over 100 being caught inside vehicles

**18,170** stowaways attempted to get into Britain in the first 5 months of 2015 alone



During a port siege, 350 Calais migrant stowaways were removed from UK-bound lorries in just FOUR hours

## THE PRICE THE MIGRANT CRISIS BRINGS

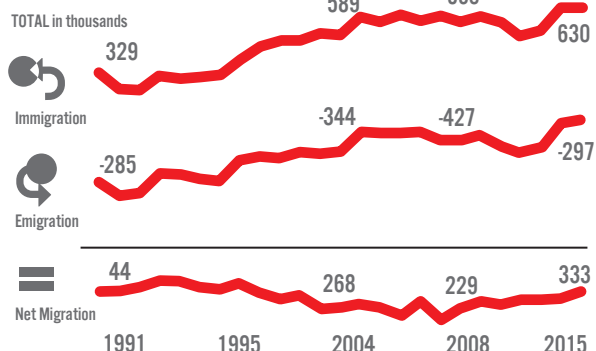
The number of fines given has more than tripled from 998 to 3319 in a one-year period, which is the equivalent of over **£6.5m** of stowaway fines.

The British freight industry is losing **£750,000** a day due to the problems with stowaways at the border.

On average **£10m** worth of food is disposed each year due to contamination from stowaways.



Migration Watch UK



Source: Office for National Statistics

## CROSSING THE BORDER

**150** **350**

The number of stowaways entering Britain has more than doubled per week in 2016 from 150 to 350.



In the past 3 years, statistics show 6,494 migrants have been found inside vehicles in the UK

On average 40 stowaways a day were found in the Dover area in 2015.

