



Proactive smoke security · [www.loadsafer.com](http://www.loadsafer.com)

## What is LOAD SAFER and how does it work?

**LOAD SAFER is a security system** made out of specifically designed smoke **to prevent possible robbery or vandalism in transports in all kinds of small spaces:** storage, kiosks, caravans...

**LOAD SAFER** is based on a very small device which **is activated when someone tries to access the protected area**, filling the space with a thick smoke which in a few seconds will nullify the thief's vision and greatly reduce his or hers ability to continue. The smoke generated is completely harmless, clean and does not stain or leave residues.

**LOAD SAFER** has mandatory certifications across its range of products, which guarantee the safety and quality of the system. These certifications have been issued by external laboratories to ensure product safety.

**LOAD SAFER** can be connected to an alarm or operate independently in its transport version, it also has an electronic self-control system which manages the intrusion at the vehicles cargo area.



Prevent possible robbery with a  
**smoke security system**

# Products



**LOAD SAFER**  
SMOKE



**LOAD SAFER**  
TRANSPORT



**LOAD SAFER**  
CONNECTED TO AN ALARM



**LOAD SAFER**  
INDEPENDENT OF THE ALARM



**LOAD SAFER**  
MACHINES

# LOAD SAFER SMOKE



## DEFINITION AND FACTS:

**LOAD SAFER SMOKE** is a canister of 85mm x 88mm which has a totally harmless substance, that does not leave any residue. **When intrusion takes place in the protected area, the device is activated by a small electronic signal that produces a chemical reaction, releasing the smoke from the canister.**

**LOAD SAFER SMOKE** produces 110m<sup>3</sup> of smoke per shot and, after use, it is necessary to replace it with a new smoke canister. **The smoke generated, inhibits the vision of the thief stopping him from achieving his goal.**

The Smoke is originated from dry particles suspended in the air, between 1 and 2 microns in size, which can cause mild eye and / or respiratory irritation which disappears immediately breathing fresh air. **LOAD SAFER** has the certifications issued by independent laboratories which demonstrate the safety of the smoke generated.

The electrical activation of the device is caused by a voltage of 1.5 volts and 0.9 amps, during 40 milliseconds. In such a manner any stack or domestic battery can generate the necessary energy for **LOAD SAFER SMOKE** activation.

Because is a non-pyrotechnic chemical compound, **LOAD SAFER SMOKE** has no special requirements with respect to storage or transportation. There is only one limitation: the exposure to temperatures above 200 degrees.



Chemical decive  
which fullfills the transport  
with smoke  
that unable vision

# LOAD SAFER TRANSPORT



The world of transport, one of (Europe) and between 10,000 and 30,000 million dollars (USA). **LOAD SAFER transport combines management electronics to detect intrusions at the cargo area which activates up to 16 smoke GENERATORS.**

It has a specific module of communication, which can be set from distance and receive information about events

It has a specific communication module available to be programmed remotely to receive information on events occurred. If the intruders manage to get part of the shipment, LOAD SAFER has an effective tracking module for the stolen merchandise (12 hours).

**LOAD SAFER TRANSPORT has developed a technology specifically designed to prevent theft in the transport sector, each smoke generator is able to protect 100% of the truck's cargo area.**

**LOAD SAFER TRANSPORT** is composed of four modules: with specific functions that naturally interact between them when they are connected:

-  **LOAD SAFER CONTROL**
-  **LOAD SAFER COMUNICATOR**
-  **LOAD SAFER RECOVERY**
-  **LOAD SAFER SMOKE**



## Merchandise recovery in real time

Transport, courier vans, vans collecting machines  
recreational vehicles cash, pleasure boats ....

## LOAD SAFER CONTROL

Controls the input signals and manages the output signals.

Functions:

- Arm / disarm with or without security code
- Panic button for driver
- Detection of door opening
- Tarp break detection
- Gums break detection
- Battery backup up to 2 weeks
- USB port connection to be programming by computer
- Planning firing sequence of Load Safer Smoke devices and timing between shots

## LOAD SAFER COMMUNICATOR

**LOAD SAFER CONTROL** module is required  
Remote control of the system using GSM / GPRS.

- Remote arming/disarming
- Remote panic button
- Safety system activation advice



Thieves itinerary  
tracking **by mobile**

## LOAD SAFER RECOVERY



### **Merchandise recovery system.**

Electronic devices for merchandise location in case of theft

These devices are hidden inside goods.

Localization by GPS, WiFi, GSM, GPRS, Bluetooth, etc.

When the merchandise leaves the transport, the warning is activated immediately.

Through GoogleMaps you can clearly follow the route of the thieves during 12 hours

## LOAD SAFER SMOKE



### **Smoke security devices.**

Chemical devices those are able to fully fill the transport with smoke that prevents vision inside it. The smoke is completely harmless, does not smell and leaves no residue.

It is not harmful to the merchandise.

Up to 16 **LOAD SAFER SMOKE** distributed on the ceiling of the transport that can be programmed from the **LOAD SAFER CONTROL** Module.

These devices are integrated in a structure that is installed in the upper corners of the cargo space area of the transport.



Chemical device which  
fulfills the transport  
**with smoke**

# LOAD SAFER

## CONNECTED TO THE ALARM



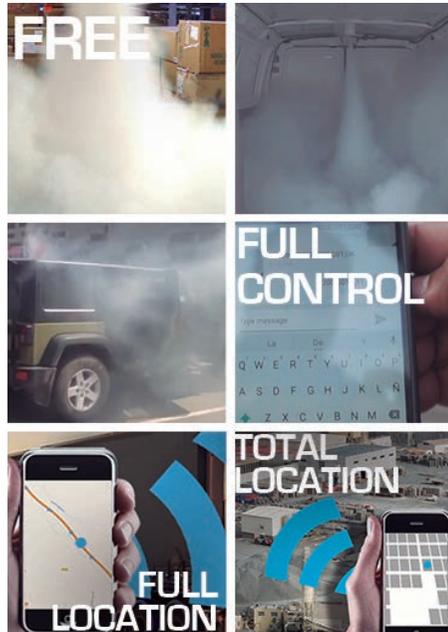
**When the alarm is activated it will trigger the smoke canister.** In order for this to take place a 12 volt signal has to be installed between the container and the alarm, and it can take advantage of its own siren output.

Alarm companies can manage LOAD SAFER SMOKE triggering it from the monitoring center once intrusion has been verified.

A dark, close-up photograph of the interior of a safe, showing a large metal wheel with several bolts. The lighting is dramatic, highlighting the texture of the metal.

Safes,  
vaults,  
manager rooms,  
files, houses...

# LOAD SAFER INDEPENDENT ALARM



**LOAD SAFER INDEPENDENT** allows quick, easy and inexpensive installation of Load Safer Smoke. **4 solutions are designed with different capabilities depending on the required need.**

All solutions have:

- 3 inputs for connecting any detection system, volumetric security sensor, seismic detector, security magnetic, etc ...
- And up to 3 outputs to connect a **LOAD SAFER SMOKE** canister
- Accelerometer that detects movement and is able to activate response

**LOAD SAFER TOTAL.** Telephone communication to arm and disarm the system and warning incidents. 6 locations systems that including indoor and outdoor locations with a very high degree of accuracy.

**LOAD SAFER FULL LOCATION.** Telephone communication to arm and disarm the system and warning incidents. 4 locations systems which include outdoor locations with a very high degree of accuracy and interior locations with a low degree of accuracy.

**LOAD SAFER FULL CONTROL.** Telephone communication to arm and disarm the system and warning incidents.

**LOAD SAFER FREE.** It has not telephone communication systems nor tracking systems. Manages inputs and activates **LOAD SAFER SMOKE** according to the activation of inputs. You need to install an external system to arm and disarm the system.

Vans, cash transport vehicles, vessels recreation, safes, vaults, rooms manager, files, storage, kiosks, counters light rooms, tool rooms, irrigation rooms, trade show booths, electricity booths, support rooms for stores, caravan, beach bars, site huds (office), vegetable garden hut, sacristy of churches, slot machines, cigarette machines, aslot machines, etc ..

# LOAD SAFER FOR MACHINES



The system is simply managed by an armed or disarmed and **a device that controls whether the machine is moving from its site.** When this occurs, **the firing of the LOAD SAFER SMOKE is triggered fulfilling the inside of the machine with smoke**

It can be installed with three different detection systems (magnetic, seismic or GPS geolocation) or a combination of them, connected to a lock to activate or deactivate the system and taking the electrical power supply from the specific machine.

We recommend that your detection system meet the following characteristics.

We recommend that the detection system is a dual technology and circuits normally open

Slot machines, cigarettes machine, vending machines, etc.



If the machine  
is moved,  
**it actuates the  
smoke shot**

## WHO ARE WE?

**LOAD SAFER** is part of a Spanish company located in Alcobendas (Madrid), founded in February 2010 by a **group of experts infog security systems distribution and marketing**

**LOAD SAFER** is born thanks to the experience acquired over six years distributing the world's leading fog systems

**LOAD SAFER** is specialized in a single smoke security system specifically designed to prevent theft or vandalism in transportation and all kinds of small spaces



## LOAD SAFER S.L.

Calle Einstein 6 bis 28108,  
Alcobendas, Madrid, España

+34 910 249 651  
info@loadsafer.com  
[www.loadsafer.com](http://www.loadsafer.com)