

# E LOCK GOLD



**Tracking electronic  
system for lorry**

**PROTECTION - CONTROL- IDENTIFICATION – TRACKING**

## **E LOCK GOLD: Tracking electronic system for lorry**

LeghornGroup srl is a dynamic company with 40 years of experience in planning and manufacturing mechanical security seals, having a strong culture on anti-tamper systems and expedients that may prevent or stop it.

More than ten years ago, Leghorn's management team recognised that the future of the security seal would be a combination of mechanical seals and electronic technology. Consequently, they began to invest in creating new types of seals and security locks designed for protecting vehicles and goods.

These have been years of fervid work of studying and planning, in which the enormous cultural baggage of the firm on the prevention of the mechanical tampering has woven with the modern computer knowledge.

LeghornGroup now offers the International market a complete range of one-of-a-kind innovative electronic products. This is the real value of the **MADE IN ITALY** : a permanent union between tradition and innovation.



## **E LOCK GOLD: Tracking electronic system for lorry**



**E-LOCK GOLD is an intelligent electronic lock that sends you information by monitoring in real time the position of the vehicle, travelling and stopping times as well as the safety of the vehicle and the goods being transported. It sends immediately a message to a Smartphone or a PC in case of unauthorised opening and closing.**





## **E LOCK GOLD: Tracking electronic system for lorry**

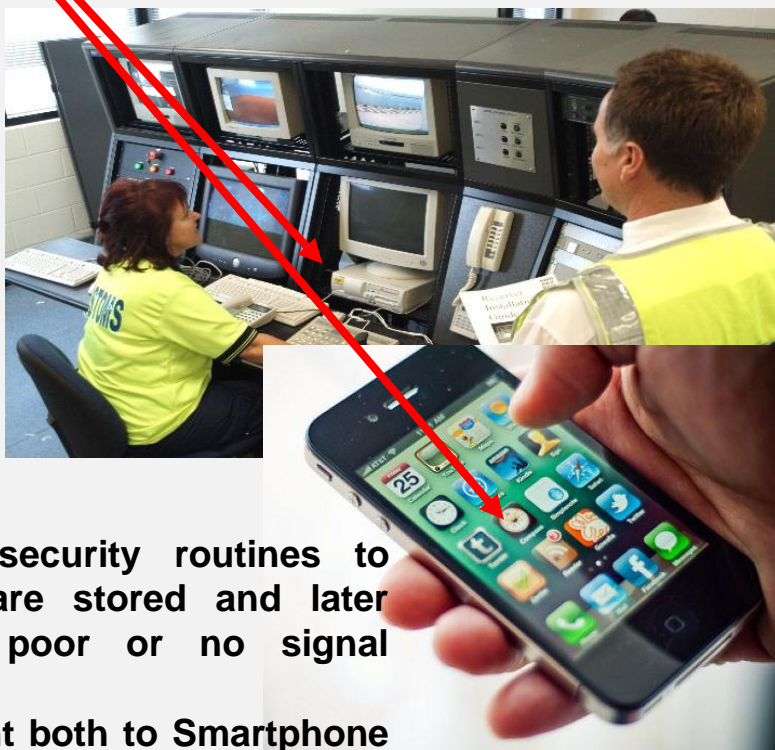


e-LOCK GOLD is specifically designed for greater security in the logistic and transport chain. Mechanically resistant and electronically smart, e-LOCK GOLD is an effective solution to identify, protect, monitor and track assets in intermodal transport, being able to guarantee greater security, optimising at the same time the logistic of the *supply chain*.

E-LOCK GOLD is a UNIQUE security device in the market because it is battery-powered, which is internal and powerful as well as easily rechargeable via USB. Its battery guarantees an operational autonomy of 1 year (10 data transmission per day).

The device implements security routines to ensure that the events are stored and later transmitted in case of poor or no signal coverage.

Alert messages can be sent both to Smartphone and PC.



## **E LOCK GOLD: Its functions**

**E-LOCK GOLD works with a SIM telephone card of any world telephone operator that works on the GSM network (except for Japan).**

**E-LOCK GOLD  
Protects your  
lorry against any  
UNINTENTIONAL  
opening!**



**e-LOCK GOLD sends an alert when the sealing pin is removed.  
e-LOCK GOLD sends an alert when the cable is cut.  
e-LOCK GOLD sends an alert when battery life is getting low.  
e-LOCK GOLD sends an alert if removed from its support.  
e-LOCK GOLD can provide its GPS coordinates at timed intervals set by the user. (Time mode): this not only offers SECURITY but **makes the device an essential piece of LOGISTICS equipment by TRACKING the vehicle and assets.****

## **E LOCK GOLD: Its functions**



### **GSM/GPS TECHNOLOGY**

Every time E-LOCK GOLD sends a message, it provides its identification number, its current battery level, the type of event that happened and its GPS coordinates, as well as date and time.

It is used in conjunction with *tracking on line* platforms, with which it has an easy integration and it is a powerful tracking and control tool.



### **LONG BATTERY LIFE**

The identification number is engraved with 4 laser figures on the external housing in polycarbonate and they coincide with the electronic code planned in factory.

The consumer is able to customise the code.

The 4,2V lithium battery is inside the device, rechargeable via USB, has an ability of 6600 mAh and guarantees an operational autonomy for :

- 4 years with 2 data transmissions per day;
- 1 year with 10 transmissions per day;
- 10 days, with continuous operation and transmitting data at 10 minute intervals.
- In standby > 10 years

## **E LOCK GOLD: Installation system.**



E-LOCK GOLD can be installed in a fixed way, that is by screwing it in place onto the doors of the vehicle or container. Alternatively, for applications where the device needs to be easily put onto different vehicles, especially in the transport and logistic chain, a heavy duty magnet is recommended.

**E Lock GOLD is intended  
to be sealed with a ISO  
17712:2010 High security  
seals**

**Other Security Features :**  
The closure pin of the ELock Gold has a 4 mm diameter hole, designed especially to allow the operator to fit a mechanical freight seal through the device for extra tampering prevention.



## **E LOCK GOLD: Multi-function button**



The present frontal button on the housing of the E-LOCK GOLD is equipped with a LED that furnishes visual feedback on the functionality of the seal (exploiting the ways of different flashing according to the operation that is effected by the electronics of the device).

Instead, pushing the button, the device sends a message with its ID and its GPS coordinates.

**E-LOCK GOLD is  
subject to strict quality  
checks is approved  
with the CE mark**





## **E LOCK GOLD: Further development**

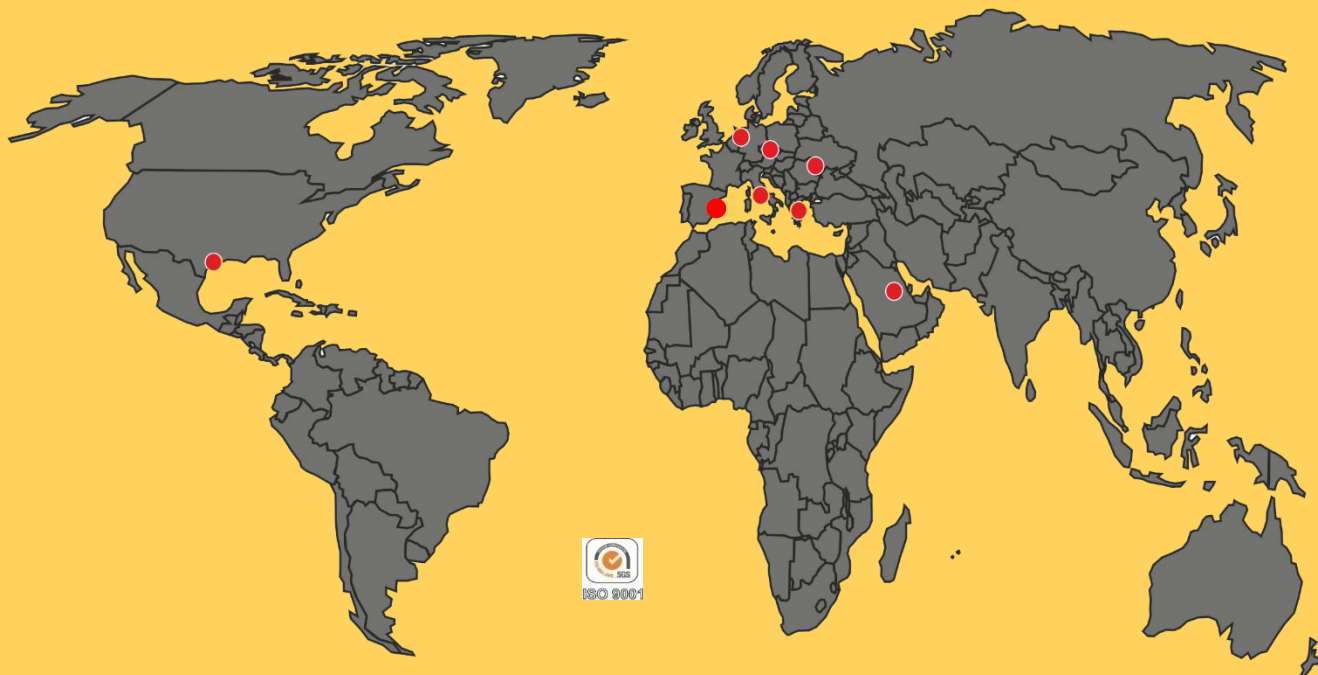


LeghornGroup's aim is to satisfy the client and, consistent with this philosophy, also E-LOCK GOLD can be revised according to the specific needs of the User Company.

Currently, there is an in concept project of a new version characterised by :

- 1.) Extra long cable (more than 20 metres).**
- 2.) Automatic lock of the pin that can be remotely controlled.**
- 3.) An automatic opening of the sealing pin, remotely controlled, managed by programmed password on operators' badges that the Elock reads and recognizes.**
- 4.) The possibility to be fitted with a management software that can be remotely controlled.**

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**PROTEZIONE - CONTROLLO - IDENTIFICAZIONE - TRACCIABILITA'**