

# KYLOS

> Portable monitoring solution for valuable assets



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# KYLOS FOREVER

## Real-time tracking device

KYLOS FOREVER is a long-lasting device to monitor your goods or equipment in remote locations for several months in a row, or if you need to receive a daily notification to ensure that your equipment is working safely, to ensure its correct location, or simply to monitor the state and location of the property, KYLOS FOREVER is the ideal device for your needs.

Thanks to its robust built-in battery and setting Kylos Forever to transmit once a day, you will be able to monitor your goods or equipment in remote locations for up to 3 years! In this way you are kept informed of what happens in the most isolated locations, reducing the risk that your equipment will be stolen, lost or forgotten. Kylos Forever is a completely independent device capable of operating without any external connection or wiring; this makes it very easy to hide if necessary, such as in internal chassis compartments, hidden compartments in vehicles or equipments. Kylos Forever can be attached to any metal surface with a sturdy magnet to extreme external conditions and a secure mounting bracket.



- 3 years long battery life**
- Rechargeable option battery**
- Programmable events**
- Perimeter based alerts**
- Automatic tracking**



# KYLOS FOREVER

## Key Features

### Management

**Programmable Events:** According to the user's needs and preferences. Fully customizable, the system can trigger email or text message alerts either by a single event (for example: if the merchandise falls, is damaged, or moves in any way), or a combination of events (such as a combination of light and area alert. For example: if the money bags were opened outside the bank's perimeter), without the limitation of choosing from a pre-set list of events.

**Perimeter based alerts:** Geo-fencing alerts, in case the goods are entering/leaving a specified area at a specified time.

**Automated Tracking:** Based on predefined and configurable intervals or parameters, without the need for the user to actively send an additional command.

### Assets Protection:

**Accident and Movement:** Built-in accelerometer triggers a wide range of automated notifications for when the goods are moved or damaged in any way.

### Communication

**Cellular Connectivity:** networks both the

**Connectivity:** Support for GSM (GPRS or optional 3G), while using SMS both the channel and the data channel. Supported bands are 850/900/1800/1900 MHz. Optional support for CDMA and HSDPA networks.

**TCP Connectivity:** Support for the GPRS/1x TCP/IP networks by either staying online at all times, or coming online when a transmission is initiated.

**DNS Support:** Connection to a server by its host name.

**Backup Server:** Backup host name support in case of main server has gone offline.

**Encryption:** Protocol encryption to provide maximum security between the unit and the center.

**Compact Protocol:** Less than 70 bytes per message enables very small bandwidth usage and saves communication costs.

### Over-The-Air commands

**Firmware Upgrade:** Over the air firmware upgrade to apply new features to units already in the field.

**Tracking:** Option to remotely set periodic transmissions from the unit in intervals between 10 seconds to 5 days.



# KYLLOS FOREVER

## Various

**Internal record:** if a transmission, the message is stored in memory to send it later. It is possible to save from this way up to 15 thousand complete messages, including status.

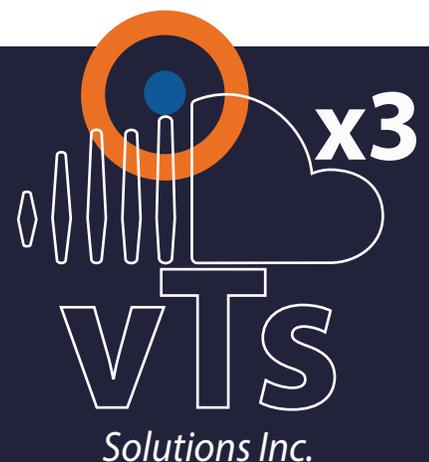
## Location

**GPS receiver:** integrated GPS receiver that allows real-time tracking and internal location analysis.

**Last location record:** if GPS coverage not available, the device saves the last registered location.



Includes real-time location alerts with programmable events, automatic tracking, and asset protection





# KYLOS FOREVER

## By using Kylos Forever

### You are in control

of almost all possible events and situations with its built-in sensors, automatic, remote operation, system stability and continuity.

### You can save

by quickly locating and recovering your lost or stolen item. Since the unit is small and easily concealed from view, you can keep track confidentially while it remains unnoticed. With its embedded GPS system, you can follow the path of your stolen bicycle or merchandise and easily recover your items.

### You can rely

on the system to provide essential information in real time so that you can make and execute effective decisions about your business and personal matters instantaneously. You can also be sure that you will be alerted to any irregularities or breaches, so that you can decide when your immediate attention is necessary.

### You enjoy the convenience:

of a mobile and web based application that operates in 32 languages and includes detailed maps. As the application is mobile and web based, it can easily be accessed from anywhere, and at any time.

### You gain flexibility and mobility:

due to its autonomic portable system and built-in battery that does not require an external power supply.

### You enjoy a user friendly

application that enables defining customized alerts and reports, their destinations and frequencies, in only a few simple steps.

Plug and Play device. Does not require additional hardware.





## Power Specifications

		<b>Kylos Forever Rechargeable</b>	<b>Kylos Forever No Rechargeable</b>
<b>Battery</b>	Power Type	Lithium-ion 3.7V, 4500 mAh	Cloruro de Litio 7.2V, 5000 mAh
<b>Access Port</b>	Type	TTL (Cable USB disponible)	
<b>Power Consumption</b>	Sleep/Idle GPS only GPRS only GPS and GPRS	0.05 mAh 75 mAh 100 mAh 165 mAh	
<b>Battery Life</b>	Transmisiones	Every 10 minutes Every 6 hours Every 24 hours Every 72 hours	
	Tiempo de Trabajo	60 hours 90 days 300 days 1095 days	

Long-lasting battery, with rechargeable option.





## General Specifications

		<b>Kylos Forever</b>
<b>Temperature</b>	Operational Storage	-20°C a +60°C -40°C a +85°C
<b>Operating Humidity</b>		Hasta 100%
<b>Cellular Communication</b>	GSM/GPRS-default Optional Modems Antenna type Data channels Protocol	Quad Band (850, 900, 1800, 1900) UMTS/HSPA+, CDMA/1xRTT/EV-DO Built-in (concealed) SMS & TCP/IP Propriety – encrypted
<b>Network</b>	Data	GSM, GPRS and SMS
<b>Messages</b>	SMS GPRS	Encrypted Protocol TCP/IP over PPP
<b>Positioning</b>	Systems Receiver and Antenna Protocol Positioning accuracy Navigation Update Rate Navigation method Time to First Fix (TTFF)  Antenna	GPS, GLONASS Internal NMEA (Binary format): 10m CEP (50%) Velocity: 0.2m/s (50%) 1 second (Default) All-In-View solution 2-Satellite solution, A-GPS Hot Start: 2 sec Warm Start: 10 sec Cold Start: 50 secs Built in
<b>CPU Capacity</b>	Static RAM Nonvolatile Memory Flash Memory	128 Kb 34 Kb 2048 Kb
<b>Sensors</b> Light Temperature Accelerometer Barometer	Resolution / Range Resolution / Range Type / Resolution Resolution / Range	0.025 LUX / 0 - 104,448 LUX (Sunlight) ±1.0°C / -20°C to +60°C 3 Axis / 0.1g resolution ±1 hPa / 300 – 1100 hPa



# Remote Monitoring Center

**Alarms, Events, and notifications** are handled as incidents from the Monitoring Center in Real Time.

**Alarm activations attention** to detection of the location of the event.

The incidences reported, and managed by the Center **can be integrated with the delivery order of ERP (SAP, Oracle, Sage, Microsoft).**



# Monitoring Center

**ODBC support:** The software uses ODBC connections, and therefore you can connect to any database platform.

**Customers:** contains all the information about the VH, including entity, Location, Model, etc.

**Emergency Services:** Contains information about the emergency services for each zone, for calls to bodies of private or public security.

**Stations of installation:** Contains information about the authorized installation stations and their authorized employees.

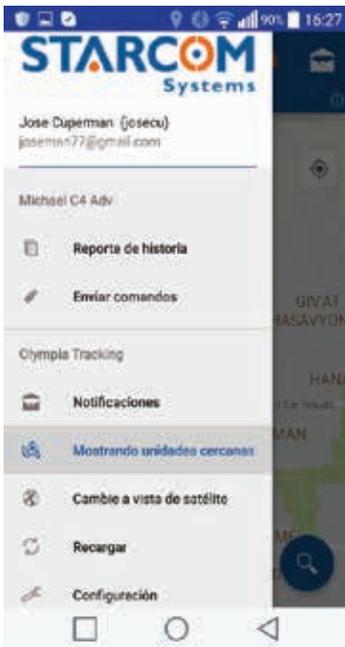
**Operators:** Contains the list of operators registered in the system, including permissions to access the software for each of them.

**Displays the units:** in a map with the monitoring system of the unit, presenting to the nearest emergency body that can provide assistance and relevant information.

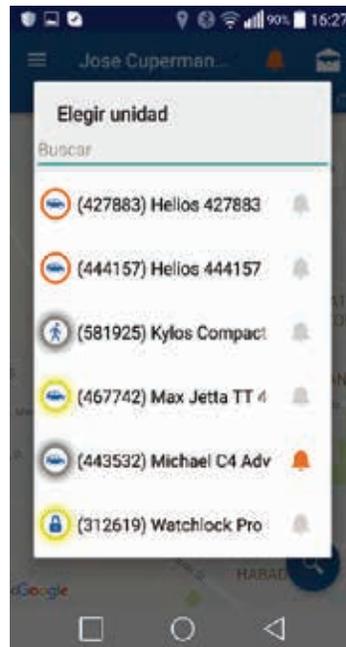
**Keeps a record** of all actions, dates and users.

**Customizable chain of events** in case of an emergency

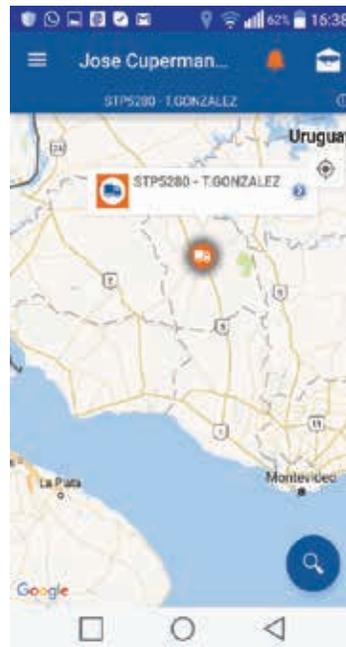
# Olympia Mobile App



**Options**



**Units**



**Location**



**Details**



**Receives alerts in real time**

**Visualization of the location of the fixed assets or in motion**

**Gives all the details of each active device by**

**Viewing the list of notifications**

**Displays details and location of each notification**

**Notification Settings**

**Historical reports per unit**

**Compatible with devices with IOS or Android system**

# KYLOS FOREVER



- Unidad autónoma
- Instalación rápida y sencilla
- Configuración por eventos
- Registro de auditoría
- Cercas geográficas
- Acelerómetro
- Información en memoria
- Basado en roles y autorizaciones
- Sistema basado en web
- Múltiples idiomas.



Starcom Systems es una empresa mundial líder, especializada en sistemas automáticos de avanzada en tiempo real para el monitoreo y la gestión remota de vehículos, contenedores, bienes y personas. Todos los sistemas se caracterizan por su gran solidez, estabilidad y desempeño ininterrumpido.

Starcom Systems se cotiza públicamente en el mercado AIM de la Bolsa de Valores de Londres, en cumplimiento con las normativas más exigentes y rigurosas del mercado, lo que demuestra su estabilidad y confianza.

Los sistemas de Starcom brindan una solución integral mediante equipos innovadores y software exclusivo. Gracias a la sencillez del sistema es posible brindar soluciones útiles y eficaces para satisfacer las necesidades específicas de cada usuario.

Con más de 15 años de trayectoria y experiencia, los productos de Starcom Systems cuentan con certificaciones de todos los estándares más prestigiosos del mundo, incluso certificaciones de seguridad, la certificación E 24, la certificación de prueba EMC, la certificación Tuv-Rheinland y muchas otras más.



## CERTIFICADO ISO 9002

Productos probados en campo  
con certificación mundial  
(TUV, FCC, E-24, and EMC)

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