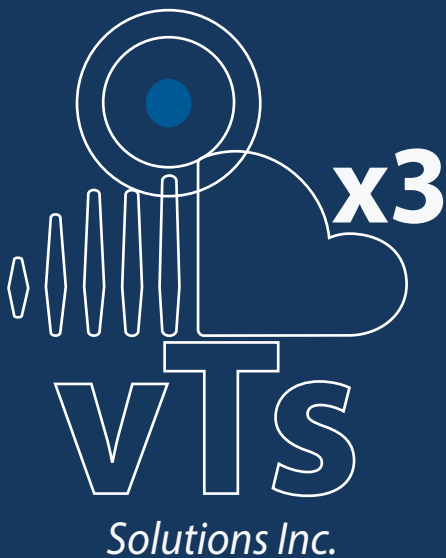


# KYLOS FOREVER

> Portable monitoring solution for valuable medical equipment



**STARCOM**  
Systems



## KYLOS FOREVER

Long-lasting device to monitor your hospital assets at any location inside or outside the Hospital Complex. The device can send daily notifications to ensure that the asset is operating safely, or if the asset is leaving the perimeter area of the Hospital Complex. In the event that the asset has been removed from the Complex, the precise location of the equipment can be determined or whether it is in operation or not. Thanks to its robust built-in battery and by setting Kylos Forever to transmit once a day, you can monitor your valuable hospital assets in any location for up to 3 years without recharging the battery.

In this way, it is kept informed of what is happening and whether the assets are being administered or not, due to the corresponding use, reducing the risk that the equipment will be stolen, lost or forgotten. Kylos Forever is a totally independent device capable of operating without any connection or external wiring, this makes it very easy to hide for monitoring medical equipment without compromising its use or functions.

**Medical Equipment:** The integrated accelerometer generates an alert, for example, if someone tilts the equipment to get it onto a truck or vehicle, or if they are leaving the perimeter area. Kylos Forever can be placed directly to the equipment, if someone tries to remove it, the device will automatically issue an alarm to the control center for light variation, which indicates that the equipment is being violated.



**Wheelchair**



**Breathing Equipment**



**Ultrasound Equipment**





# 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.



## 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.

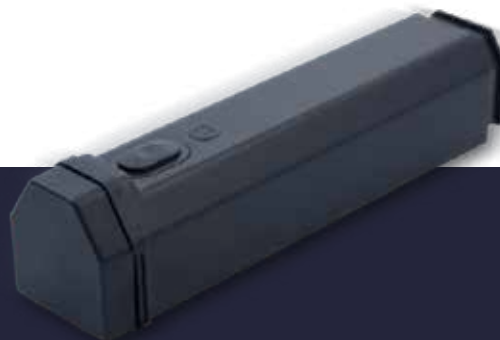
### You gain flexibility and mobility:

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.







# KYLOS FOREVER

## Power Specifications

		Kylos Forever Rechargeable	Kylos Forever No Rechargeable
<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	

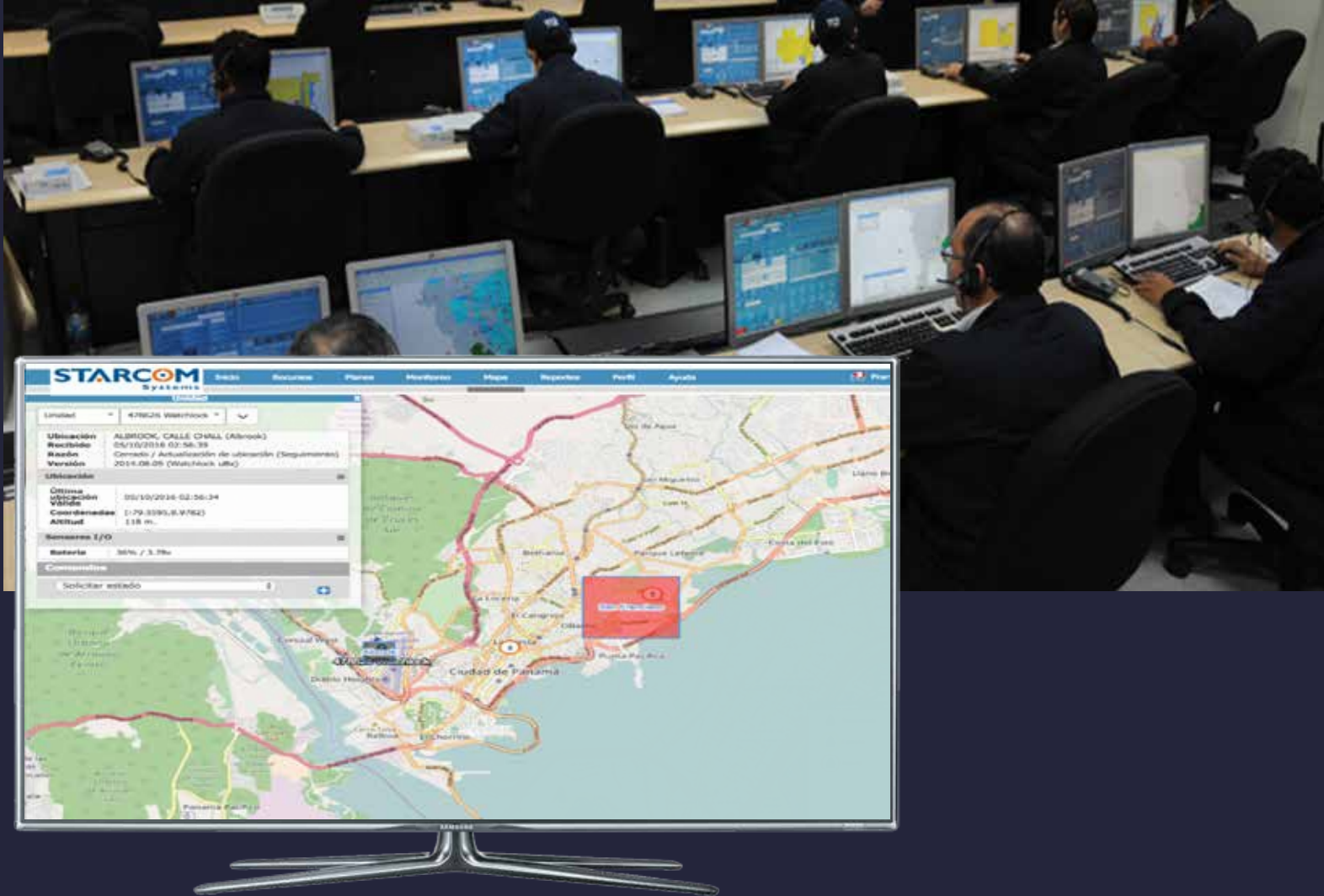
Long-lasting battery, with rechargeable option.





## General Specifications

KYLOS FOREVER		Kylos Forever
Temperature	Operational Storage	-20°C a +60°C -40°C a +85°C
Operating Humidity		Hasta 100%
Cellular Communication	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
Network	Data	GSM, GPRS and SMS
Messages	SMS GPRS	Encrypted Protocol TCP/IP over PPP
Positioning	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
CPU Capacity	Static RAM Nonvolatile Memory Flash Memory	128 Kb 34 Kb 2048 Kb
Sensors 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.

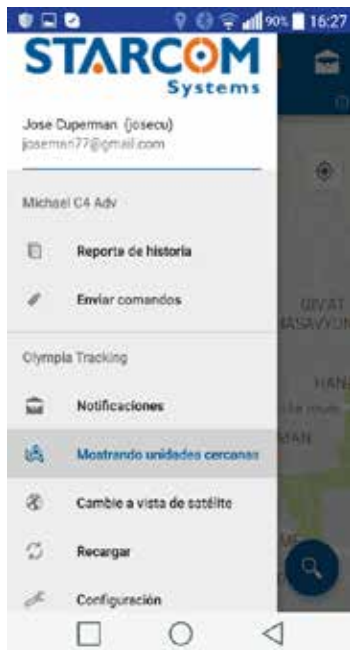
**Alarm activations attention** to detection of the location of the event.

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

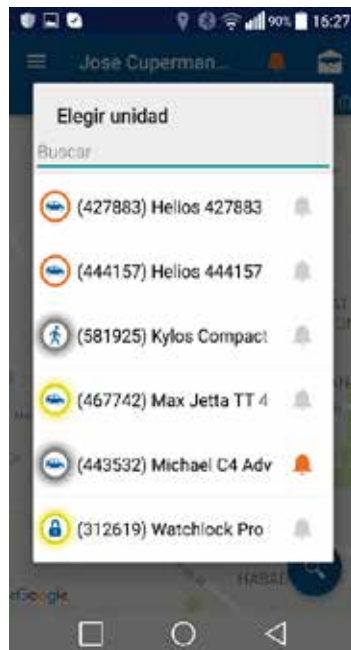




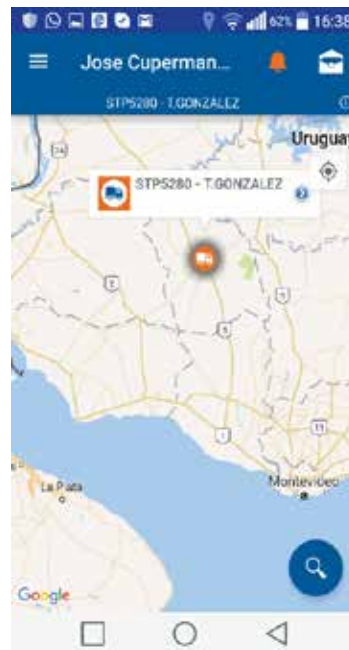
# Olympia Mobile App



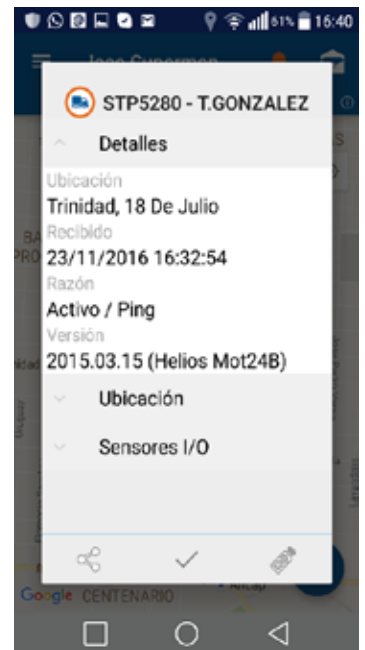
**Options**



**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

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.



**ISO 9002 CERTIFIED**

Field-proven products with  
global certification  
(TUV, FCC, E-24, and EMC)

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