

HELIOS

> INTEGRATED SENSORS



Consorcio VTS-KATSO



STARCOM

Systems



KATSO
Communications SAC



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> REAL-TIME MONITORING OF THE WEIGHT, AND QUANTITIES OF CONTAINERS ON THE VESSELS

Carrier [signal] 11:07 AM 100%

Port Operation, PTY

- Container loader, 0034
- Container loader, 0017
- Container Truck, 0028
- Container Truck, 0014
- Container Truck, 0021
- Container Ship Dock, 0006
- Container Ship Dock, 0007
- Container Ship Dock, 0008

Transmission History Report

Start August 14, 2018 at 11:07 AM

End August 15, 2018 at 11:07 AM

Container Ship Dock OTP0006

Generate

- 9,435 tn Total Weight Cargo on Vessel
- ON Engine Status
- 69 F Engine Temperature
- 637 h Machine hours

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Carrier [signal] 11:07 AM 100%

Port Operation, PTY

- Container loader, 0034
- Container loader, 0017
- Container Truck, 0028
- Container Truck, 0014
- Container Truck, 0021

Transmission History Report

Start August 14, 2018 at 11:07 AM

End August 15, 2018 at 11:07 AM

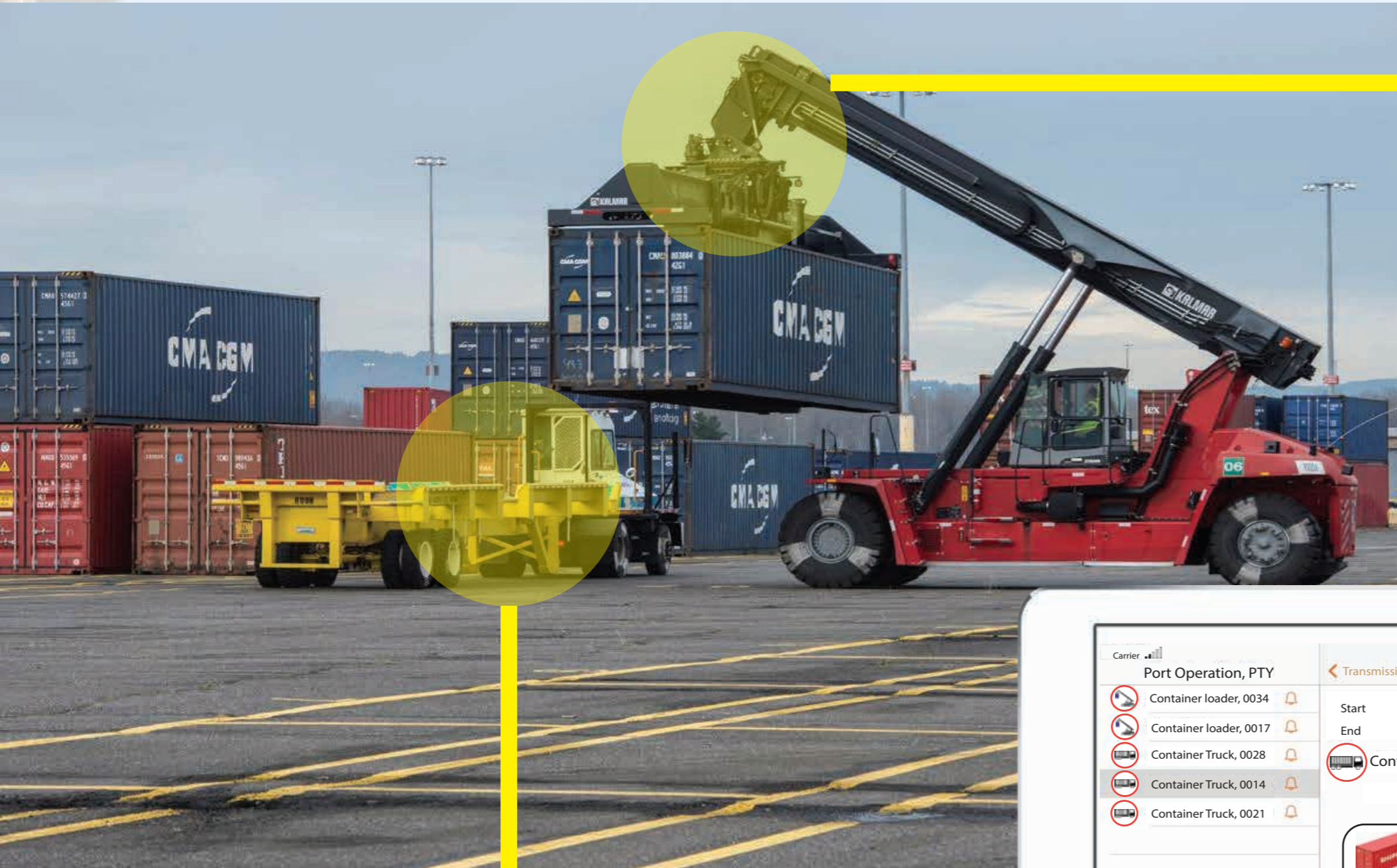
Container Truck OTP0014

Generate

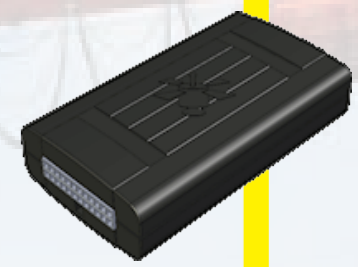
- 209.8 tn Weight Cargo
- 86 rpm Tank Level
- ON Engine Status
- 65 F Engine Temperature
- 334 h Machine hours
- 234 lts Tank Level

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> REAL-TIME RECORDS OF THE WEIGHT OF EACH CONTAINER



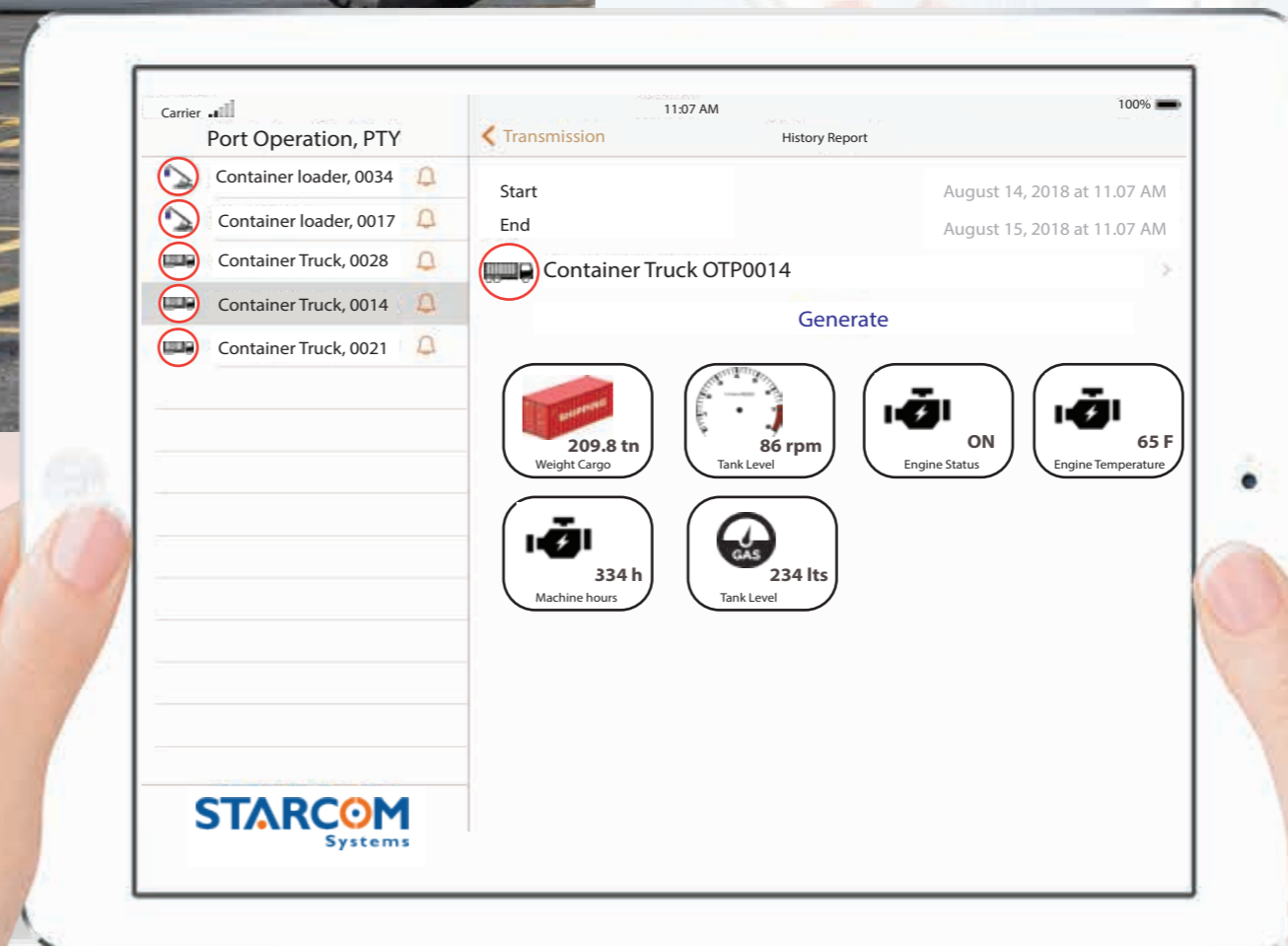
Position Sensor




Advanced Telematic Device

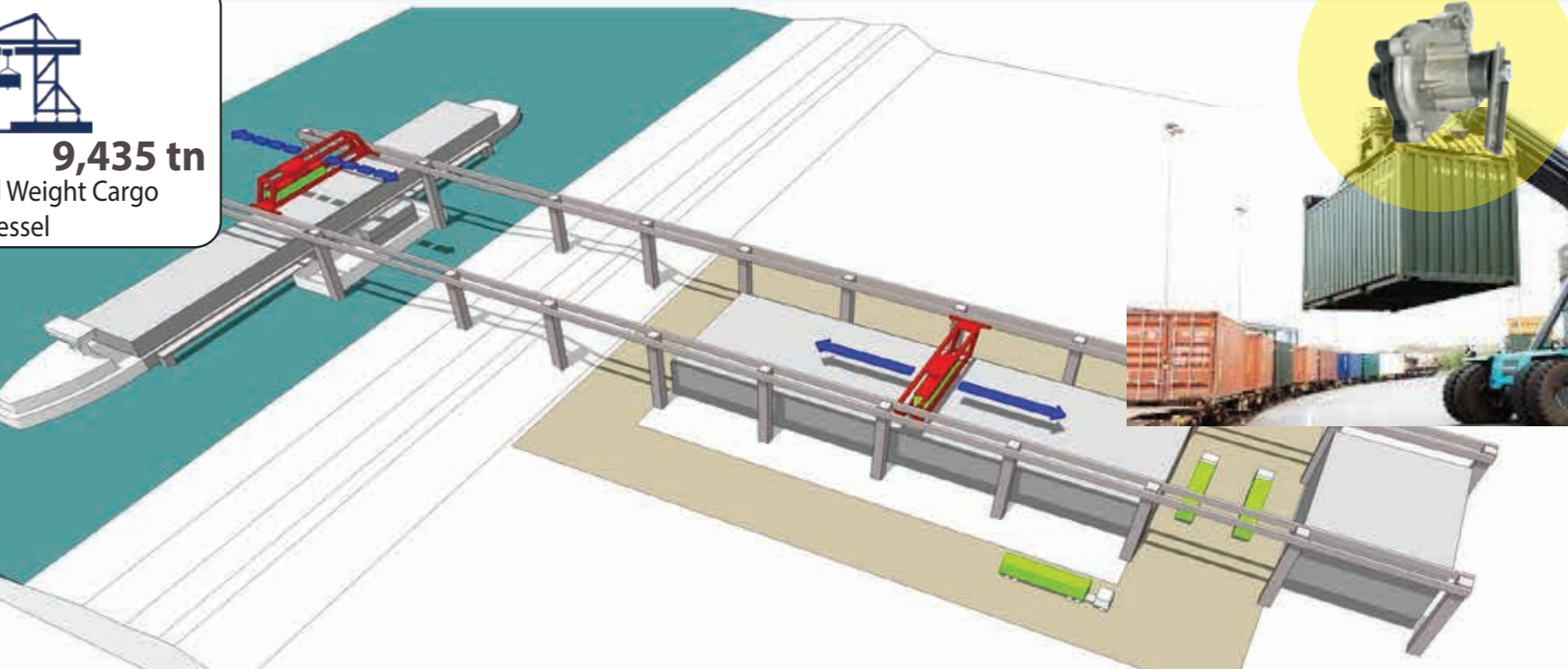



Pressure Sensor



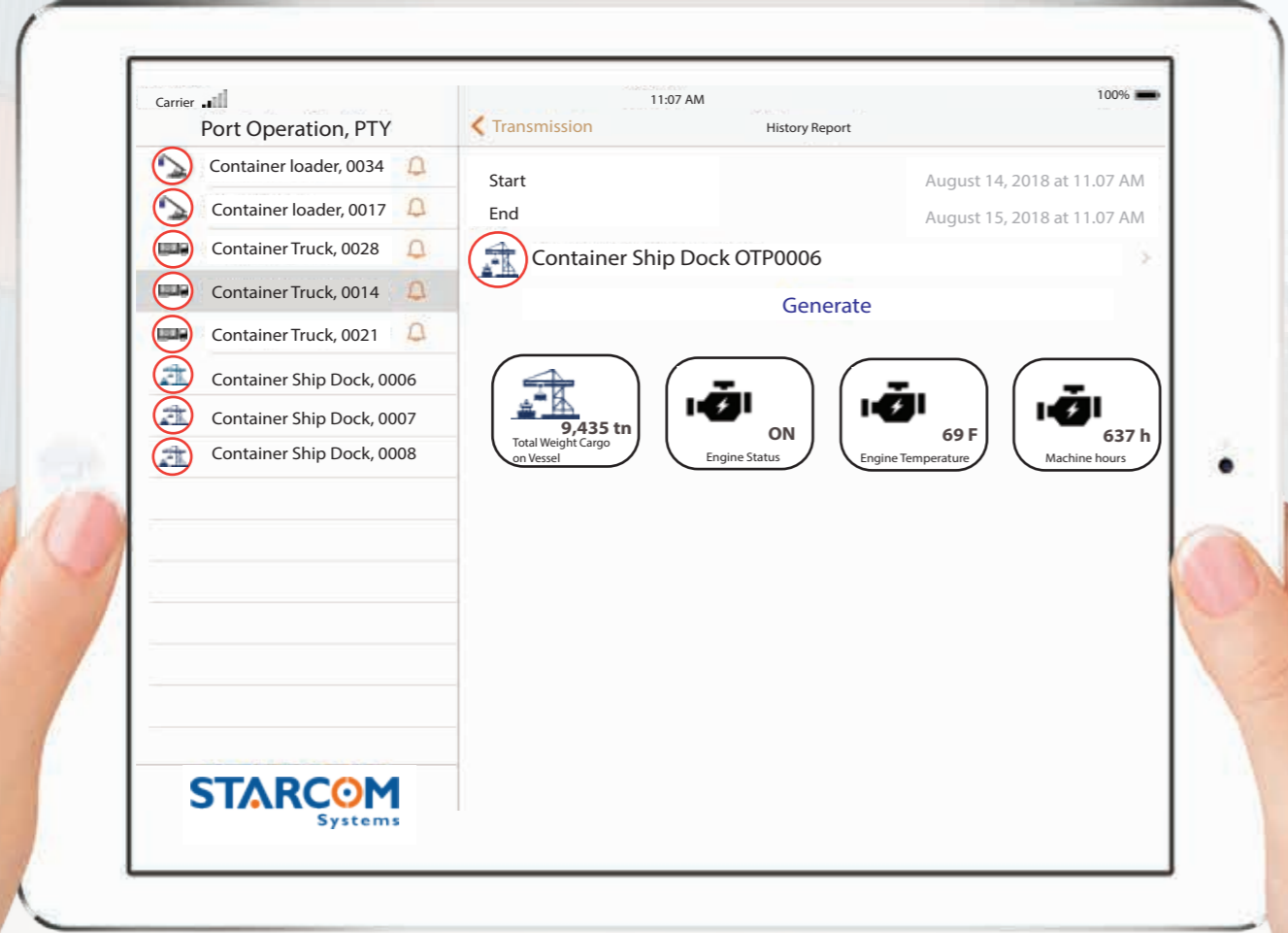



9,435 tn
 Total Weight Cargo
 on Vessel




2.2 tn
 Weight Cargo

> REAL-TIME MONITORING OF CONTAINER LOADED ON THE VESSELS




3.8 tn
 Weight Cargo



Advanced Telematic Device



Pressure Sensor

- Plug & Play Device,
- Long Life Battery,
- 3 years of operation with rechargeable option,
- Autonomous Operation,
- IP64 Protection,
- Located external out of the container,
- Device with a magnet incorporated easy to adherence out of the container and



Zone E
976 units
Container Location

> REAL -TIME VISIBILITY OF THE NUMBER OF CONTAINERS AT THE PORT BY ZONE

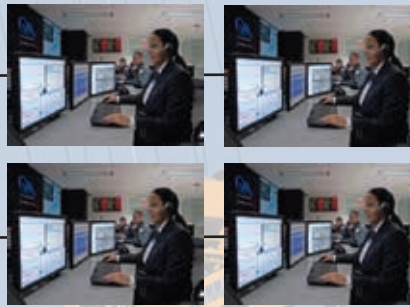


Seguridad Corporativa



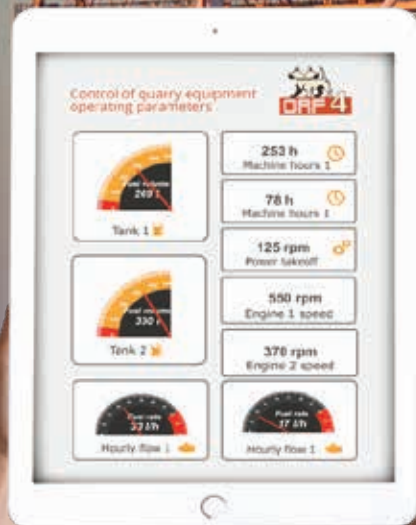
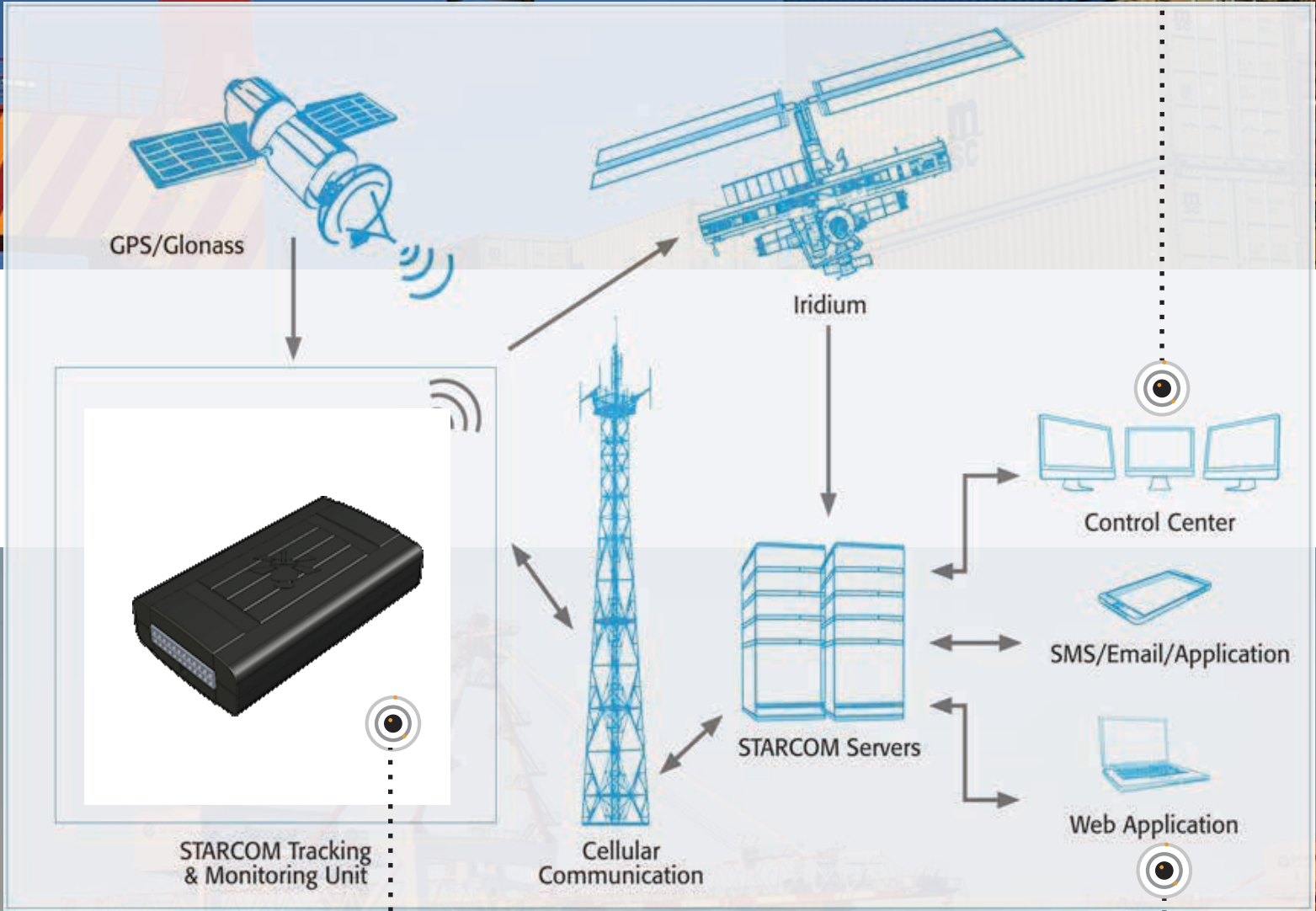
CENTRO DE MONITOREO CENTRALIZADO

Unidades Mineras



CENTRO DE MONITOREO LOCAL

Comunicación aérea con la unidad
Alertas automatizadas
Monitoreo de Eventos
100% disponibilidad de ubicación con comunicación Satelital y Telefonía Celular



Programación de HW
Antenas integradas
Integración con sensores vehicular
Integración digital con vehículos
Integración analógica con vehículos



Apps de monitoreo para usuarios autorizados

Configuración de Eventos
Configuración de Variables
Configuración de Alertas
Configuración de Usuarios
Accesos y Perfiles de Seguridad
Plataforma Web
Programación de SW



HELIOS ADVANCED HYBRID

Satellite tracking for remote locations without cellular connection



FLEET MANAGEMENT	PROTECTION OF THE VEHICLE AND DRIVER
COMMUNICATION	LOCATION
AIR COMMANDS	EVENTS PROGRAMMING
ALARM SYSTEM	CONTROL TOWER

SATELLITE MODEM IRIDIUM FOR LOCATION AND TRACKING

Uses

Remote locations without access to the cellular network

monitoring in remote sites without access to the cellular network and it has a high risk of theft.

Remote locations with the risk of theft,

remote sites of difficult access, without access to the cellular network, which are prone to theft or kidnapping.

Roads through deserts and jungles

roads without communication, such as deserts and jungles, that may be of risk to the carrier by an accident or mechanical failure.

Roads between mountains

highways of hard accessibility, that the module of the satellite can prevent risks on track and prevent accidents.

Real-time monitoring in remote locations without cellular network

Application Architecture

Starcom Online



Integrated Sensors



Technology

The entire cellular technology solution (GSM / CDMA / HSDPA) and location (GPS / GLONASS) allow real-time tracking throughout the world through a user-friendly web-based application, which can be easily implemented and accessed from anywhere in the world, in almost any language. All of Starcom's GPS tracking systems are certified to ISO-9001: 2008 and meet the most stringent industry standards, including:

ISO-9002

Products tested in the field with global certification.



Federal Communications Commission



EU Formaldehyde Emission Standard

GPS/Glonass and the latest in cellular technology

2G, 3G y 4G - LTE.

Global Compliance Regulations



ONLINE PLATFORM



Advanced Web-based Fleet Management with flexible event generator exclusive of Starcom.

Starcom Online offers advanced features:

Detailed maps at street level.

Complete management solution - with Starcom Online, you can manage all your vehicles, assets, employees and much more, all in the same tool.

Define your own events with the Starcom Event Generator.

Receive predefined alerts under the required configuration according to the needs of THE CLIENT.

Automatic generation of customized daily, weekly or monthly reports

Obtain all the information of the needs of THE CUSTOMER to handle his requirements, from multiple databases, vehicle data, work schedules and much more.

Starcom Unique Event Generator:

The unique Starcom Online Event Generator allows you to predefine an event that uses a combination of components or conditions. For example, an event might consist of speed in a specified area, opening the door or stopping vehicles in unauthorized areas, defining geographic fences and recording the time the vehicle enters or leaves the field or geographical fence .

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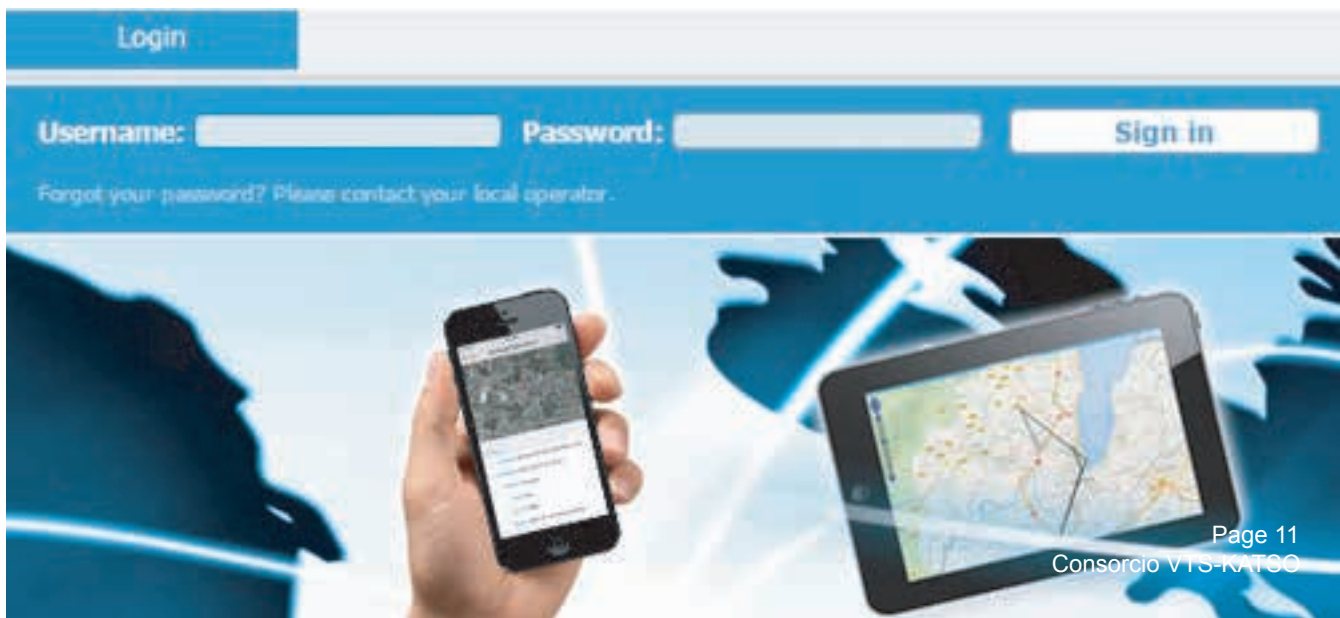
Starcom Online - advanced solution that provides many benefits:

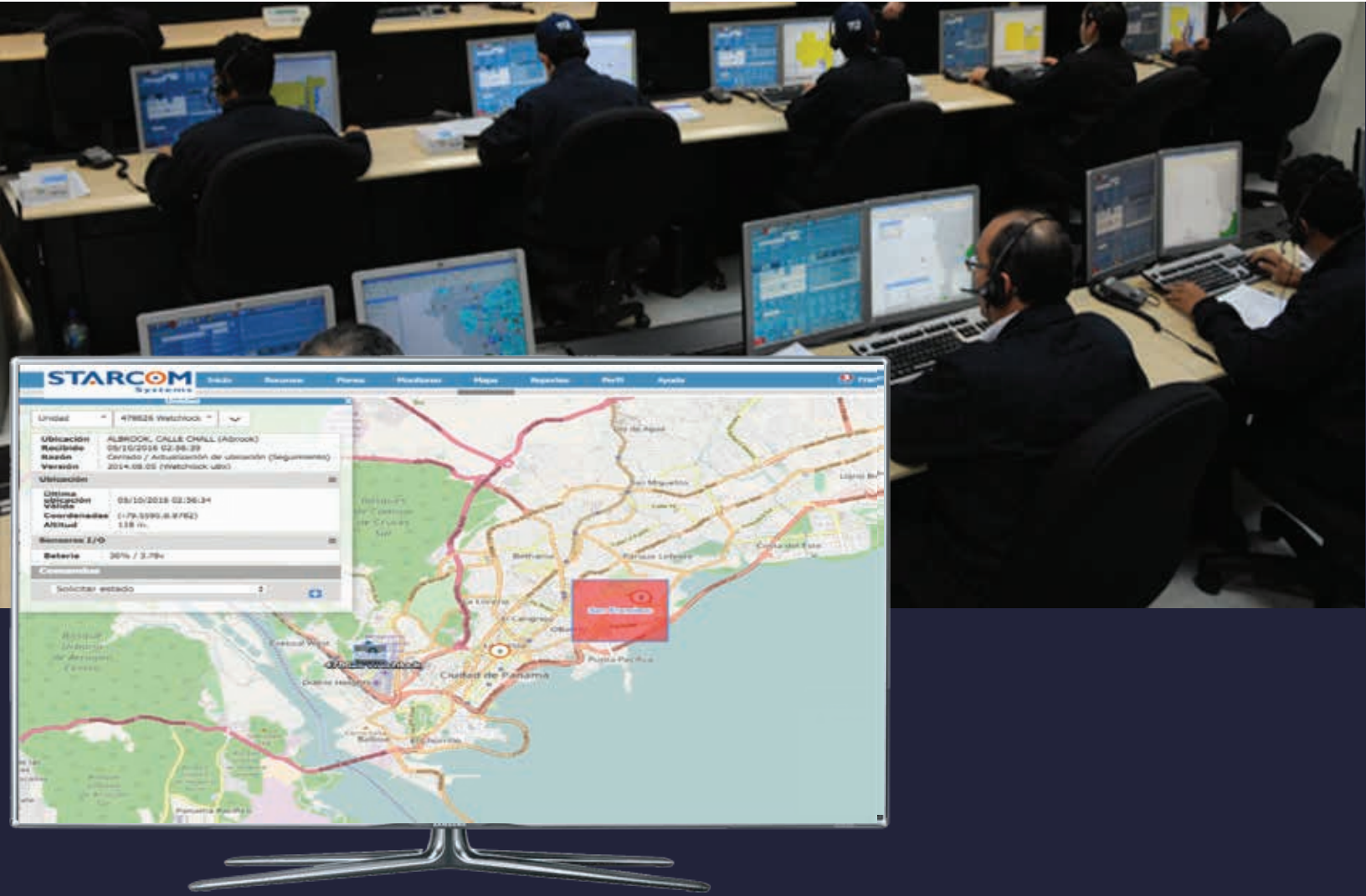
Easy to use - Starcom Online is friendly and does not require installation.

Cost Reduction - Monitoring driver behavior to achieve an immediate reduction in costs.

Supervision and Total Control - Starcom Online helps you create a more efficient organization.

Application available anytime and anywhere. Access to the Starcom Online platform from anywhere at any time..





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, Odo)**.



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

Aplicación Móvil para la reacción del cuerpo de seguridad



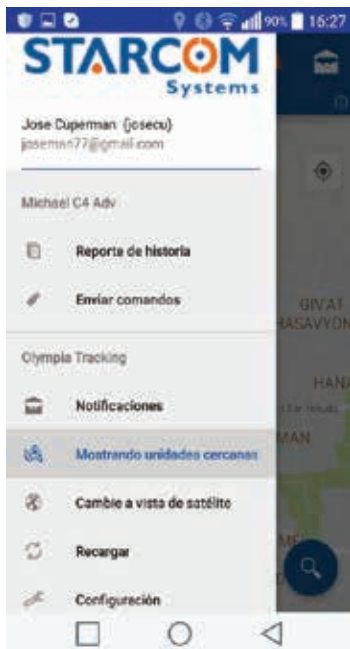
Identification of the unit in Emergency or Accident

Allows the **location of the unit** through the download of apps.

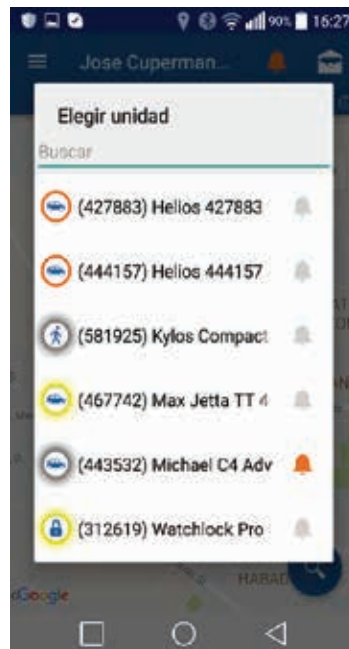
The follow-up to notification, alarm or event linked to the vehicle using Apps.

Access authorization for monitoring through the Apps for security forces.

Aplicación Móvil Olympia



Opciones



Unidades



Ubicación



Detalles



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

HELIOS

> Integración con Sensores



- Unidad autónoma
- Instalación rápida y sencilla
- Configuración por eventos
- Registro de auditoría
- Cercas geográficas
- Acelerómetro
- Sensores incorporados
- 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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