

NOW ACTIVE TRACK IN 3 VERSIONS
GPS only / RFID only / GPS&RFID

**ACTIVE
TRACK**
PERSONAL GPS



REAL TIME **GUARD TOUR SYSTEM**
PERSONAL GPS
RFID READER
GSM/GPRS COMMUNICATION DEVICE



CREATING A SENSE OF SECURITY
SINCE 1989

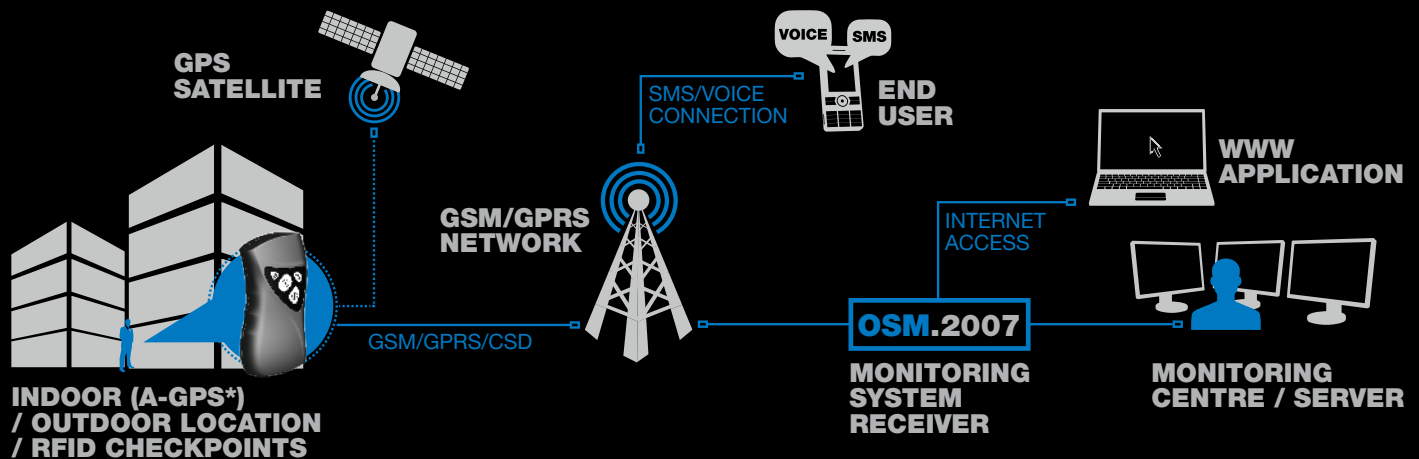
The **Active Track** unit is a new security device manufactured by EBS, that integrates in very durable housing a GPS receiver and a quad band GSM/GPRS mobile phone. This functional advanced device can be applied indoor and outdoor because of A-GPS service, that supports GPS signal from satellites by GSM/GPRS.

Active Track has been designed as a modern, high technology but also easy in use device, that has a lot of applications and brings a variety of benefits for it's users.

Handy, waterproof and shock resistant casing and built-in accelerometer provides that the device can be used both by commercial and private users: in logistics companies, security and fire services, parole system, to child protection, senior and patient care.

NOW we offer our customers Active Track with RFID and RFID & GPS! Be free in your choice and needs!

OPERATING DIAGRAM



* GPS users expect instant position information. With standard GPS this is sometimes not possible because at least four satellites must be identified, and their complete orbital position data, called Ephemeris, received. Under adverse signal conditions, data downloads from the satellites to the receiver can be unacceptably long, hours or even fail altogether. Assisted GPS (A-GPS) accelerates calculation of position by delivering satellite data to the GPS receiver via GPRS or the Internet. This aiding data enables a GPS receiver to compute a position within seconds, even under poor signal conditions.

**ACTIVE TRACK
UNIT IS ONE OF
THE MOST COST
EFFECTIVE SOLUTIONS
REINFORCED BY THE
BEST TECHNOLOGY
AND DRIVEN BY A
RELIABLE SOFTWARE
INTERFACE.**



APPLICATIONS:

The **Active Track** unit offers a range of services through one hand held device. The Active Track unit is user friendly to the man on the ground while providing innovative reporting to the end user who can then effectively make informative decisions in real time.

- Live Tracking through GPS
- Patrol Monitoring & Asset Tracking through RFID structured routes / designations
- Communication to the device through GPRS/GSM network
- The ability to raise a panic anywhere

INDUSTRIAL:

- **Security officers are monitored** during their patrols
- **Employee can have a tag attached** to their person to scan when clocking in and out at the start and end of each shift. Time & Attendance!
- **Cleaning schedules** can be tagged.
- **Unlimited number of tags** can be utilised for daily, weekly, monthly or sporadic checks.
- **Control room, supervisors & management** can be notified when any tag of interest is scanned (fire, burglary, stock shortage etc.)

SCENARIOS:

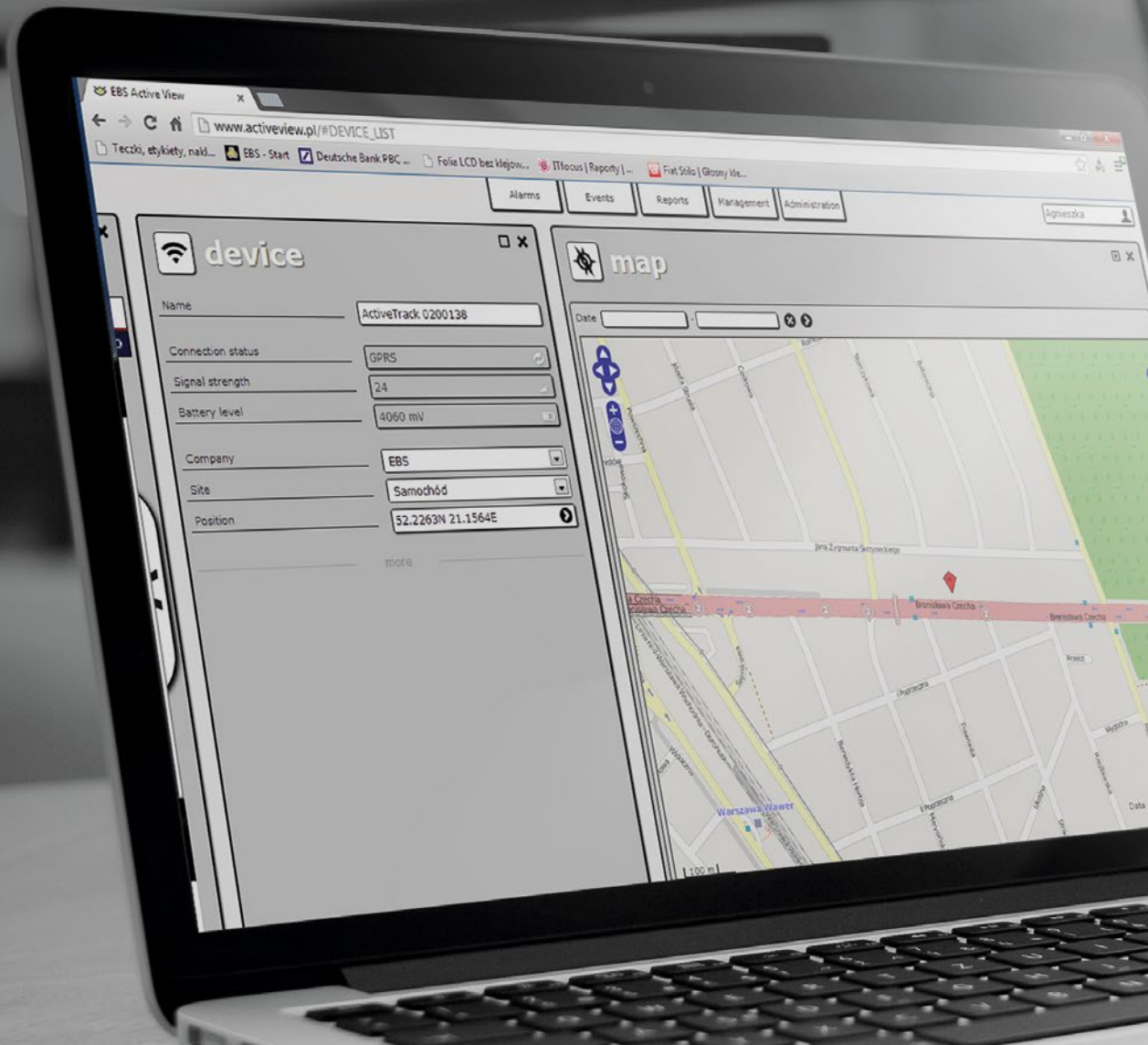
- **Waste bins can be checked** and tagged and a weekly / monthly report is automatically captured
- **A cleaner can scan a tag** at the start and end of each allocated cleaning area. The time and place stamp is recorded. The benefit of this is that it cannot be manipulated.
- **Reduces car patrols of guard supervisors** by sending an alert whereby the call centre phones the guard and gets them to pin their location by pressing the "Checkpoint button". A signal is immediately sent to the call centre and anyone else programmed for receipt of that function.
- **On depot site – can tag a vehicle.** This tag can be registered as and when a delivery truck arrives and leaves.
- **The device can be utilised for supervisors** or area managers as they can scan-in at each site. Can track movements of all supervisors and area managers. This ensures all site visits are conducted when necessary and in a timely manner.





You can test our device with our new, easy to operate web application with customer oriented interface:

- Real-time monitoring of connection status, battery level, GSM signal strength
- Preview on the map current and historical position of Active Track device (date, time, speed, direction, altitude)
- Processing alarm events in real time



MAIN FUNCTIONALITY AND BENEFITS:

■ GPS and RFID in one device

Create a real-time patrol monitoring route. Now you can choose between Active Track with RFID, GPS or all in one version. All functionality in one device.

■ Two-way voice communication device

It can be used as a cell phone, user can call directly the previously programmed number or send signal via GPRS to monitoring station with ask for reply. It is also possible to receive calls with Active Track.

■ Personal protection system

PANIC button enables sending alarm signal - data and voice transmission in case of an emergency situation - lone worker protection.

■ MAN DOWN motion sensor for fall detection

Fully automated notification about life-threatening situation. It is also possible to configure fixed position - thanks to tilt detection Active Track can send alarm signal in case of position change.

■ A-GPS (Assisted GPS)

Allow both outdoor & indoor tracking; help by delivering satellite data such as accurate time and satellite status to the GPS receiver. This aiding data enables a GPS receiver to compute a position within seconds, even under poor signal conditions. It helps in emergency situation, in rough environments.

■ GeoFencing

Tracking and monitoring position of GPS users with automatic alarm signal if the user will cross the boundary of determinated zone. Effective solution e.g. for child protection. Function provided be the software.

■ Tamper detection alert

Excessive shock detection - notification about all mechanical attempts to destroy the device. Tamper switch - protection against opening the device by unauthorized person.

■ Online, real time tracking and history

Online internet application for tracking GPS location.

■ Large memory capacity

Built-in memory for registering up to 2000 events in history; allows collecting information about alarm signals, voice

/ sms connections and the route registered by GPS.

■ GPS position on SMS

Programmed buttons to send SMS on smartphone.

■ The ActiveView application can be developed for any scenario



TECHNICAL PARAMETERS

Active Track with RFID reader

Reader type	Proximity RFID
Frequency and standard	125kHz, unique
RFID read-out distance	3-4cm (depends on transponder type)

Active Track with GPS (optionally with RFID reader)

GSM module	u-blox Leon G-100 (850/900/1800/1900 MHz)
GPS module	
Channels	56 channel u-blox 7 engine (energy saving better accuracy)
A-GPS online/offline support	YES
Position accuracy	< 2,5 m
TTFH hot start acquisition time	< 1 s average
TTFH cold start acquisition time	< 27 s average
Electrical characteristics	
Power supply	5V/1A
Power socket	Standardized Micro USB type B plug
Battery	Li-Polymer, 2400 mAh
Battery working time after charging	up to 36 hours
Casing protection rating	IP67
Physical characteristics	
Dimensions (HxWxT)	121x60x30 mm
Housing	The waterproof and shock resistant housing
Weight	150g (GPS device) 30g (charger)
Motion sensor	3-axis motion sensor (accelerometer)
Interfaces & general features	
	Internal speaker and microphone
	4 buttons for easy operating
	Ambient operating temperature: -20°C to +60°C
	Based on durability-assumptions for Active Guard
	Data transmission via GPRS (TCP, IP), SMS to OSM.2007
	Voice call
	Silent call
	Remote administration & firmware update
Configuration	Local: PC through RS232 link (LX cable and AGP3 programmer required or SP-PROG) Remote: via GPRS, SMS, CSD
Alarm events buffer size	1000
Quantity of system events stored in history	2000



EBS Sp. z o.o.

59 Bronisława Czecha St.
04-555 Warsaw, Poland

tel.: +48 22 518 84 00
fax: +48 22 518 84 99
e-mail: office@ebs.pl
website: www.ebs.pl