



TrackliniQ

Electronic monitoring



Introduction

Context

Protecting people in high-risk situations requires tools capable of anticipating threats and responding quickly. In this context, electronic monitoring systems have become a key element for strengthening safety, ensuring compliance with judicial measures, and providing an immediate response when someone's integrity may be at risk.

These devices enable continuous and precise tracking, reduce the likelihood of reoffending, and allow authorities to act with reliable real-time information. They offer victims an additional layer of protection, while offenders can meet their obligations without the need for constant in-person supervision.

The combination of advanced technology, permanent connectivity, and early-warning tools creates a safer and more predictable environment. This results in a greater ability to prevent incidents, ensure peace of mind for those involved, and reinforce confidence in existing judicial and protective measures.

What is TracklinIQ?

TracklinIQ is a solution that brings together, in one integrated service, real-time monitoring of individuals under judicial measures and protection for victims.

- Real-time monitoring of individuals with ongoing legal proceedings or precautionary parole measures.
- Protection for vulnerable people, such as victims of domestic or gender-based violence.

Monitoring Platform

Centralised system for management and tracking.



Security Devices

Electronic ankle bracelets for individuals under supervision.



Operations and Support Staff



Protection Devices

Watches and wristbands for victims.



Mobile Applications

Complementary smartphone software.



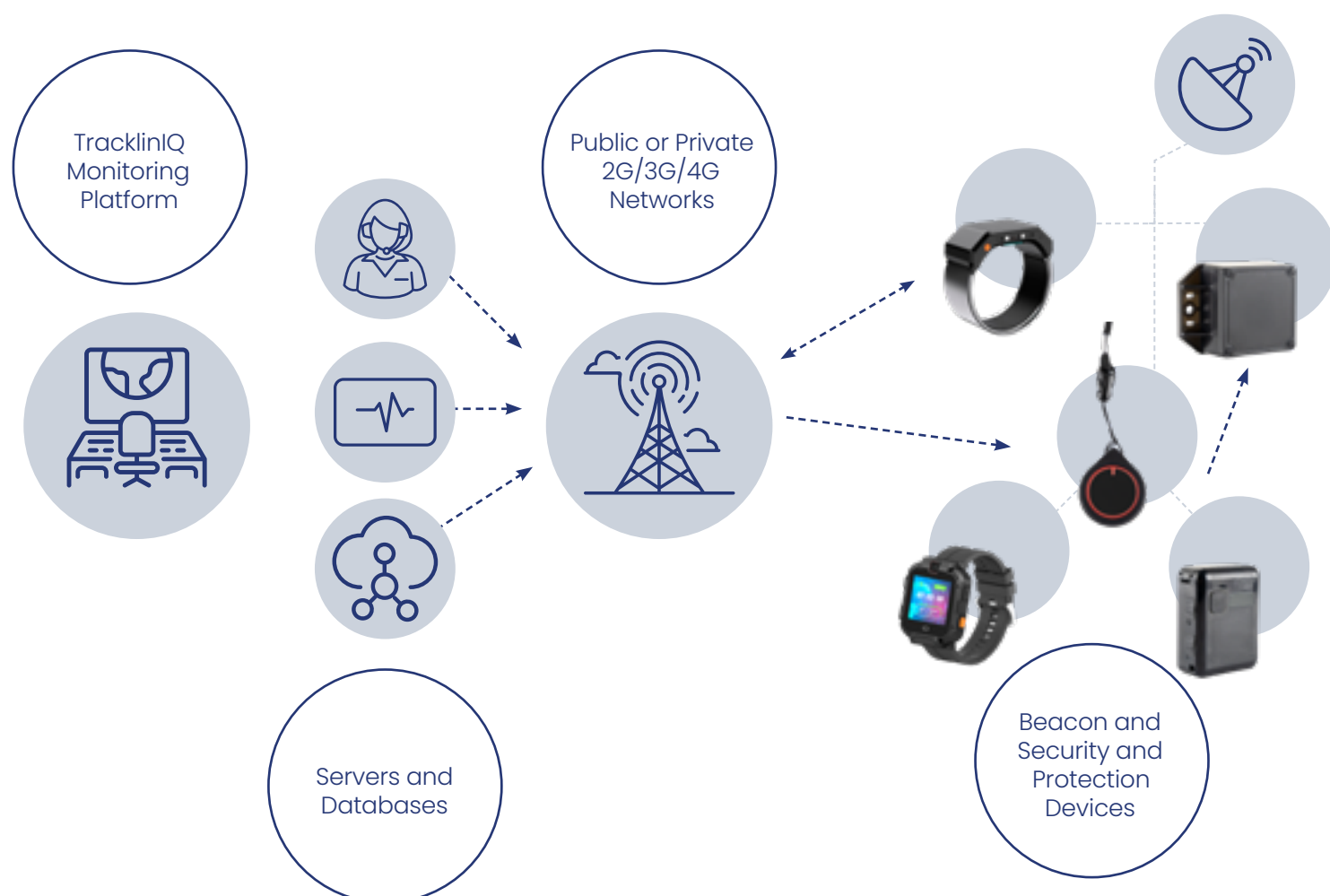
Solution Overview

An integrated solution

The solution is delivered as a fully integrated service that combines, in a single technological platform, all the capabilities needed to supervise, protect, and respond. This unified approach enables more coordinated operation and reduces response times.

The service is built around an advanced monitoring platform connected directly to the servers and databases that process real-time information. Communication is carried out via public or private 2G, 3G, and 4G networks, ensuring continuous data transmission in any scenario. On top of this infrastructure, a set of highly reliable devices completes the solution, enabling precise, secure, and permanent monitoring.

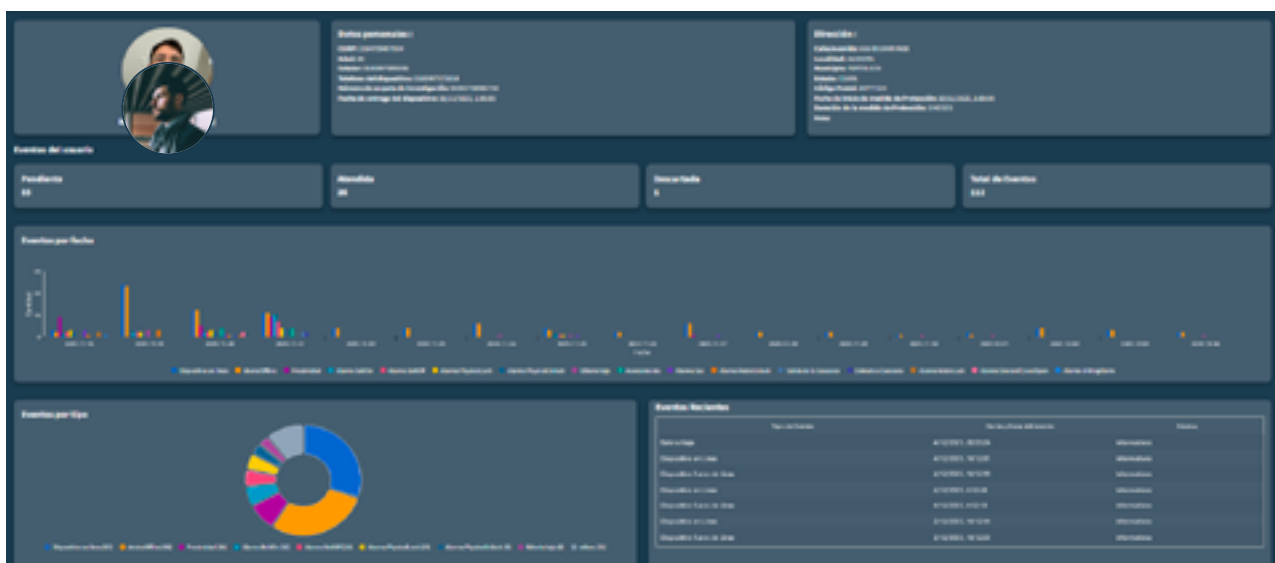
Additionally, the platform allows incidents and alarms to be sent to the control center (NG CeCoCo system) and properly recorded, with bidirectional communication between the applications, including updates to the subsequent actions linked to the incident itself.



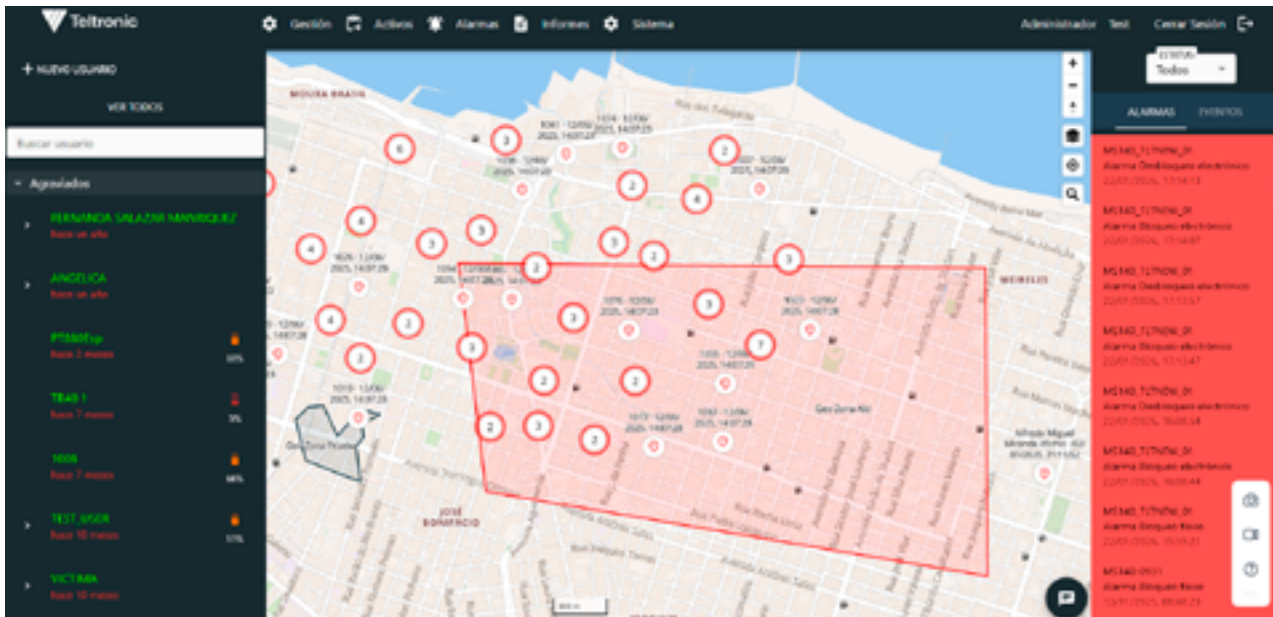
Advanced monitoring

This comprehensive monitoring and management platform is designed to provide centralised, secure, and efficient control of users, devices, and operations, enabling real-time supervision and critical decision-making in demanding technological environments:

- **User and Profile Management**
Allows user administration through role-based access control (RBAC), ensuring secure, organised, and adaptable management aligned with different operational responsibilities.
- **User and Device Management**
Enables the registration of users and devices, as well as continuous supervision of equipment, ensuring complete traceability from deployment to removal.
- **Branches, Appointment, and Inventory Management (Stock)**
The platform includes modules for managing office locations, scheduling appointments, and controlling device inventory. Equipment can be grouped and assigned to specific locations, optimising logistics and lifecycle tracking. Scheduling maintenance, installations, or incident-related interventions ensures a quick response and minimises service interruptions, while inventory offers real-time visibility of device status and availability.
- **Telemetry Access**
Provides access to key device data, such as operational status, battery level, and signal quality, enabling preventive maintenance and constant monitoring.
- **Active Surveillance with Real-Time Alerts**
The system generates immediate alerts during critical events, including:
 - › **Geofence Events**
Detection of entries, exits, or breaches of defined zones.



Plataforma de Monitorización



› Device Status Alerts

Notifications for disconnection, low battery, weak signal, or tampering.

› Protection and Safety Alerts

SOS alarms, proximity alerts between linked devices, and transmission of biomedical data when available.

- **Geofence Creation and Management**

Enables the configuration of digital boundaries with customisable rules, allowing automatic responses to location-based breaches.

- **Historical Tracking**

Logs positions, movements, and alerts, supporting post-event analysis, regulatory compliance, and preparation of operational and judicial reports.

- **Historical Tracking and Reports**

Generates operational reports and statistical summaries that support decision-making, performance evaluation, and judicial documentation.

- **Advanced Configuration and Customisation**

Allows remote configuration of data-capture parameters, logical linking of devices (for example, victim-offender pairing), and the creation of customised dashboards based on roles and monitoring priorities.

- **Monitoring Platform**

Integration with Teltronic's NG CeCoCo Control Center and dispatch solution, ensuring speed and accuracy in incident dispatching, especially in situations involving an imminent risk to physical integrity, where time is a critical factor in preventing harm and saving lives.

Functionalities

- › **Administrative Management:**
 - › Management of offices.
 - › Stock module.
 - › Appointment scheduling.
- › **Device Management:**
 - › Registration and removal of devices, monitored user information.
 - › Device telemetry consultation, etc.
- › **Voice Communications:**
 - › Direct calls to devices (victims and offenders) from the monitoring platform.
- › Option to configure **discreet or ambient-listening calls** to the devices.
- › **Automated alerts** via WhatsApp, Telegram and/or Email.
- › **Indoor/Outdoor Positioning:**
 - › Graphical display on maps.
- › **Active Monitoring:**
 - › Real-time alarms.
- › **Creation and management of digital geofences.**



Examples of Events and Alarms

Geofences

- Entry and exit of geofences
- Restricted zone breaches
- Customisable map areas

Device Status

- Devices offline
- Weak signal
- Battery level
- Device-tampering alarm

Protection

- Victim SOS alarms
- Proximity alarm between related devices (offender(s) – victim(s))



IP68 tamper-proof security ankle bracelet

- Easy installation and removal
- Real-time positioning via GPS + WiFi + LBS + BDS + AGPS
- BT, WiFi, 2G/4G connectivity (with dual SIM)
- Help-request button
- SOS call, audible alerts, vibration, and voice alerts
- Tamper and low-battery alarms
- Portable wireless charger
- Electronic lock



BLE Beacon (Bluetooth Low Energy) for precise indoor location

For indoor location, the system can be complemented with indoor beacons that allow accurate tracking inside homes or other enclosed spaces.

Devices designed for significantly reduced power consumption.



Help-request button

The help-request button allows immediate and discreet assistance. It can be worn as a wristband or pendant, adapting to each person's comfort and preference. Activation requires only a simple gesture, without needing to access a mobile phone, which is essential in situations of tension or risk.

The solution is complemented by a mobile application that enables sending and receiving alarms and maintaining direct communication with the monitoring centre. In an emergency, the user can initiate a private and secure chat, ensuring a quick response and continuous support when it is most needed.

- › IP66
- › Smart magnetic charging with 60-day autonomy
- › Up to 100m range
- › 11g weight
- › Built-in accelerometer



Victim Protection Devices

4G & GPS Tracker

The pocket-sized 4G & GPS tracker offers a compact and easily portable option for situations that require maximum discretion without compromising accuracy. Equipped with 4G connectivity and high-sensitivity GPS tracking, it allows alerts to be sent and real-time positioning to be transmitted even while moving. Its reduced size makes it easy to carry in a pocket, bag or clothing, providing an extra layer of safety without interfering with the user's daily routine.

- › High-precision GPS tracking combined with WiFi and cellular triangulation
- › Stand-alone device with built-in SIM, does not require a mobile phone to operate
- › IP67
- › Voice calls and SOS emergency button



A Reliable Solution

Complete and integrated solution:

- › 24/7 monitoring of offenders and victims, automatic alerts, precise geolocation, device management and report generation, all within a single unified platform.

Experience and support:

- › Comprehensive service backed by a global company with over 50 years of experience in Mission-Critical systems and its own R&D department.
- › Excellent service, professional team: Experience in supplying and operating major emergency control and coordination centres.

Device portfolio:

- › Reliable, robust devices with long autonomy.
- › Option to integrate added-value features such as health data, vital signs, etc.

Security and confidentiality as a priority:

- › Backed by Teltronic's cybersecurity certifications (ISO 27001, IEC 62443).

Usability:

- › Intuitive, user-friendly monitoring platform.

Flexibility:

- › Easy integration of new personal devices of any brand or form factor.
- › Customisable platform adaptable to each organisation's protocols and workflows.

Connectivity:

- › Ability to operate not only with public 2G/3G/4G networks but also with private networks or mission-critical services (MCX).

Incident management:

- › Native integration with emergency control and coordination centres.
- › Possibility of incorporating access to dispatch consoles of security and emergency forces.





Teltronic has a policy of continuous research and development and reserves the right to modify or improve product specifications without notice.