



Gun Violence Is A Real Problem In South Africa

Guns are the leading cause of non-natural death in South Africa. Gunshots caused 47% of murders (2018-19). The Department of Health attributes the increase in gun violence since 2011 to a breakdown in firearms control management. During the prior ten years (2000 to 2010), the *strict control* and restricted availability of firearms *halved the gun-related deaths* from 34 to 18 people shot and killed a day.

To enable gun owners to improve gun control, Cerebus Cyber Forensics has developed a weapon management solution. **GT1.0™** provides real-time visibility, provisioning, tracking, monitoring and reporting of weapons. Reports include geo-fence transgressions, holstered and unholstered weapon status, shots fired and quantity per area/location.

Real-Time Visibility

The **GT1.0™** device, developed by Cerebus, is securely attached to the weapon allowing the owner to identify, locate, monitor and track weapons – in real-time – via a web-based management platform.

Benefits

Increased control through real-time access to:

- ✓ Movement and location of weapons
- ✓ Map of weapons (instore and in-the-field)
- ✓ Weapon activity providing forensics capabilities.

Key Features

- ✓ Real-time visibility of behaviour of gun handler in respect to gun management
- ✓ Holster adapted with backup battery pack
- ✓ Camera (optional)
- ✓ GPS chipset for global positioning
- ✓ Chip SIM for GSM communication
- ✓ On board intelligence for reporting
- ✓ Oscillation graphs of shots fired.

Frequently Asked Questions

How is the device charged?

The device is charged while it is in the holster.

How frequently does the device need to be charged?

The device has a two-day battery life when fully charged. The custom-made holster has a built-in battery that further extends the battery life while in the field.

Is the device tamper proof/ waterproof?

Yes, the device has a specialised tamperproof locking system. Only authorised personnel will be able to unlock the device. The device is IP65 certified and is therefore waterproof.

How is tampering detected?

If force is used to attempt to remove the device from the weapon, an alert is sent immediately to the management system (web portal).

How does one view the devices in the field?

The device is viewable from anywhere, at any time via the online web portal.

The device can be fenced-off via geofencing. Once a range has been defined, the system will indicate when any of the weapons moves outside the specified geographic area.

How do you know if the weapon is holstered or shot?

The management portal will register the gun as being holstered providing the connection between the gun and holster remains unbroken. If the gun is separated from the holster, the device sends a signal indicating that the gun is unholstered.

In a similar way, the device can detect when shots are fired and sends custom alerts, displayed on the management portal, in real-time.

Services

Fraud investigations

Employment disputes

Intellectual Property theft investigations

Data breach or any other such suspicious activity

Cyber Forensics

Cyber audits