Rayzone Group

▶▶ Cutting edge solutions
for innovative intelligence

PIRANHA ▶ 2G, 3G and 4G IMSI Catcher

▶▶ **Piranha** is a 2G, 3G and 4G IMSI catcher that enables intelligence and law enforcement agencies to automatically capture mobile phone identifiers, manipulate them and create the basis for smart intelligence and analysis.

Piranha collects and manages cellular identifiers, such as IMSI and IMEI, from any mobile phone operating within the range covered by the system. **Piranha** takes control over many of the phone features, such as: blocking the communication, draining the battery, extracting GPS location, forcing the device to move to 2G or 3G technology, and more.

Piranha automatically triggers an alert upon identifying the presence of monitored targets, or detecting suspicious cellular behavior. By creating a database of all captured mobile identifiers, **Piranha** also provides a significant foundation for smart situation management and intelligence investigations. **Piranha** can integrate to other systems and sensors for maximizing value of data provided by the system.

The **Piranha** IMSI catcher uses an advanced Software Defined Radio (SDR) technology, allowing it to operate in 2G, 3G and 4G networks and multi-bands simultaneously using same hardware.

PIRANHA ⠂ 2G, 3G and 4G IMSI Catcher

Collection of cellular identifiers:

- IMSI number
- IMEI number
- TMSI number
- Fast counting mobile phones quantity in the area

Management and control of phone features:

- Target list and protected list built-in capabilities
- Direction finder
- Selective jamming
- Send SMS to captured target phone
- Battery draining
- Silent call capabilities on 2G, 3G and 4G
- Downgrading a subscriber to 2G or 3G

Basis for monitoring and investigations:

- Create database of all new collected identifiers and build comprehensive target profile
- Automatic alert upon identification of pre-defined suspects
- Detection of subspecies behavior – personal locations, cellular behavior (changes of SIM card / device)
- Linkage of identifiers gathered from different systems or sensors (phone, license plate, passport, face, etc.)

Variety of operational scenarios:

Capabilities provided by the **Piranha** IMSI catcher can enable and support variety of operational scenarios, including:

- Land borders
- Highways
- Airports
- Critical Infrastructure
- Covert tracking
- Special operations
- Sensitive facilities
- Demonstrations

Technical details:

- Amplifiers power options: 250mw/1W/5W/10W/25W/40W/100W
- Supported technologies: GSM/EDGE/UMTS/HSPA/HSPA+/LTE
- Adjustable configuration per clients request (quantity of transmitting radios, size, weight, etc.)

Homing Device capabilities:

The Homing Device is a special tool, that enriches the capabilities of **Piranha**, enabling the real-time tracking of moving targets, and pinpointing their exact location. Utilizing **Piranha**'s Homing Device, an enforcer can detect a target orientation and distance, thereby enabling physical apprehension.