Intellitronika
MEANINGFUL INNOVATION

C.O.De.

CONNECTED
OPERATIONAL
DEVICE

ITK
Group

C.O.De.

C.O.De. is the first **operational platform** designed **for police forces**, whether national or local, which allows the connection and **management of men and vehicles on the territory in real time**, using advanced technologies and sensors.

C.O.De. can be installed on devices of different sizes and can be used in any operating condition: on foot, mounted on a motorcycle or in a car.

over **5000** real time alarms

over **12,5 mln** multi-DB queries in a year

over **220 mln** geolocalizations in a year

The **core** of the system is its **modularity** that allows the interfacing and management of all the activities performed by the operator, constantly monitoring and exchanging the information coming from the territory and allowing to send added value data (such as **multimedia files** and single access to **multiple databases**) in real time.

The **geo-localized and monitored devices** can exchange **communications, encrypted messages and multimedia files** with the Operations Centre, **check** people and vehicles as well as communicate with each other, therefore ensuring total efficiency in **territory control**.

C.O.De., thanks to its multiple and customizable features, can also be equipped with **bodycam** and **automotive cameras** mounted on vehicles, and can send multimedia files in real time increasing the quantity and quality of the information sent to the Operations Centre.

C.O.De. can be used not only by law enforcement agencies but also **by all those public or private bodies** with a widespread presence on the territory and which need real time monitoring and communication systems.

C.O.De. can interface with **weaponry systems**, with innovative **clothing** that detects vital parameters and with **devices for document verification and number plate reading.**

C.O.De. is now available on all transmission systems, **TETRA, DMR, WiFi, BLE, LTE and 5G** and, thanks to its modularity, it can be integrated with existing solutions.

Intellitronika can boast one of the **most advanced systems** currently on the market, developed both on client and on server side, with the **possibility of integrating third-party solutions**.

GEOLOCATION
C.O.De. interfaces with the geolocation system embedded in the device and allows the constant detection from the Operations Centre.

DATABASE ACCESS
The module allows, with a single sign on, to access all the databases required, allowing to check documents, number plates and chassis, providing an aggregate report of all the results in real time.

MESSAGES
The messaging module allows the exchange of chat-style communications between the Operations Centre and the device. Messages can be of different type and include multimedia files and target destinations.

MINI O.C.
Localization on the device of the other team members based on their position and/or group. The operators can exchange information and images, start the streaming module directly from another device and send the alarm to the other team members.

DATA TRANSFER
The module guarantees the correct transfer of data to and from the Operations Centre, and to confirm if the information has actually been sent and received. The encryption algorithm ensures the data security.

MULTIMEDIA GALLERY
This module manages all the multimedia files and allows sending to the Operations Centre geo-referenced information with additional metadata, such as the event type, for the related researches.

TICKETING
The ticketing module allows drawing up a fine report faster than with the traditional system, thanks to the semi-automatic issuing of the fine notice. The module can be integrated with the existing administrative ticketing management systems.

NAVIGATOR
The navigation module allows the operator to access both the navigation functions and to receive from the Operations Centre some tasks which, if accepted, automatically set up the location of the operation to be performed.

UPDATES
C.O.De. receives over the air updates for each module, in order to reduce time and data transfer.

SURVEILLANCE 2.0
The mobile video surveillance module allows the operators to access from the device, to the images sent by the fixed video surveillance cameras on the territory.

SECURITY AND DATA ENCRYPTION
The communication module is the heart of the client solution and allows the integration, as well as the communication of all the installed modules. The encryption protocol and the proprietary M.D.M. guarantee the solution security.

SECURITY MAP
Thanks to the multimedia information received from the territory, the Operations Centre draws up a map of geolocated events for the correct team allocation. Reports and statistics can be issued to integrate the device with smart systems.

ANPR
The automatic number plate detection module (A.N.P.R.) allows, by accessing to databases, to verify any vehicle irregularity in real time.

ALARM
The function allows sending an alarm in real time to the Operations Centre, including the user's position and starting a live streaming from C.O.De. or from external cameras.

DISPATCHING
The module allows the Operations Centre to draw up a list of daily activities given to the operator and to send them in real time to the device. The system automatically issues a report, together with the metadata and geolocation, for each event.

CAMERA
The module allows the operator both to acquire images and videos, and to send the geolocalised live streaming to the Operations Centre. The streaming can be activated by the operator and by the Operations Centre, as well as by automatic triggers.

C.O.De.

Comm	Document Check	Messages	Multimedia Gallery	Mini OC	Dispatching
Database Access	ANPR	BodyCam	Alarm	BT Button	Video

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TETRA DMR LTE 5G

C.O.De. operational platform can be integrated with **Accessories and Devices** so to extend its capabilities

BODYCAM/HELMET CAM

C.O.De. interfaces with various models of body-cam and helmet-cam, sends live audio/video streaming to the Operations Centre, and records high definition videos on the device. The video can be then downloaded in compliance with the security settings required.

RADIO TETRA-LTE

C.O.De. can be installed on the innovative smart radios Hytera and Airbus, providing all the operative features regardless of the display dimension and transmission technology. This allows to use the radio for Critical Communications, and the C.O.De. modules via the public network. A 360° solution for all operational activities in just one device.

H.0/I-PROTECT

The two systems, composed of sensors embedded both in the holster and in the weapon, send information about the weapon status. H.0 allows sending the status of gun in the holster, while I-Protect, developed in cooperation with Fabbrica d'Armi Pietro Beretta, allows additional information such as: hammer cocked, shot, and shot counter. If connected to C.O.De., the solutions can send this information to the Operations Centre, therefore alarming it and activating the streaming.

SMART BUTTON

The Smart button is a Bluetooth tactical solution.
Totally customizable, it can send to the Operations Centre an alarm, its position, the live streaming or activate a customized function based on the operational needs.
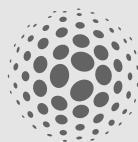
D-CODE

D-Code is a smart T-shirt, provided with sensors to detect the operator's vital parameters and posture in non-intrusive way, without interfering with his activity and without requiring a direct intervention. The connection with C.O.De. allows sending the data in real time to the Operations Centre.

G-CODE/BIOFAD

These two solutions, composed of a physical reader connected to the device via BLE, allow to automatically read and validate documents (passports, I.D., driving licenses), whether electronic or paper.
The connection with C.O.De. allows the fast access to all databases to check any irregularity.

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