

CASE STUDY

BYNE



INTEGRATED COMMUNICATION SYSTEM - MILITARY POLICE OF ESPÍRITO SANTO

+55 11 2102-6920
info@byne.com.br
www.byne.com.br





We provide a hardware and software solution to integrate communication among Military Police of Espírito Santo in the capital and interior of the state

Photo: PMES.

THE PROJECT

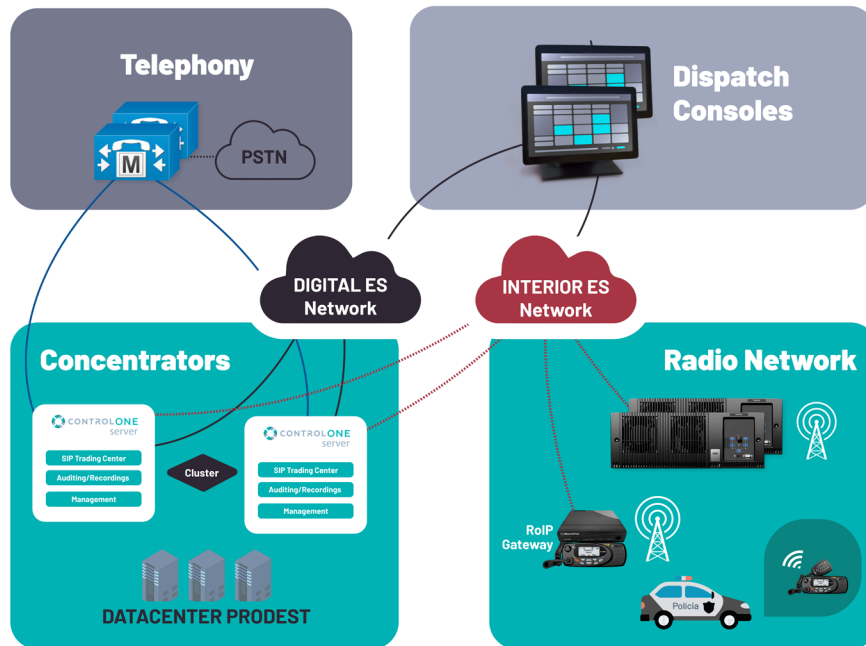
The strategic goal of the Military Police of Espírito Santo (“PMES”) is to modernize the state’s public security system by 2023. In this context, technological updating was a priority. BYNE was selected to implement the ControlONE solution in its operations centers, in 40 consoles that assist battalions

and independent companies. With the new integrated communication system, BYNE has guaranteed PMES greater efficiency in its operations, enabling it to provide a swift and efficient service to the population in all regions of the state.

The new integrated communication system enhanced the operational efficiency of the PMES and helped provide a quicker, more effective public service to all regions of the state.

PROJECT ARCHITECTURE

The BYNE solution for the PMES was designed to simplify communication between operation centers employing consoles, gateways, and radio networks that ensure interconnection between the channels used by all units of the corporation. Learn more about the architecture of the installed solution:



CHALLENGES

The military police must serve the population in a permanent state of readiness. Therefore, the communication system must be fully available for continuous operation. In addition, the project should include the use of the fiber optic network installed in much of the state to streamline communication between operations centers and remote teams. To ensure compliance with all the requirements, BYNE's solution comprised fully integrated

software and hardware resources to manage voice communication through IP protocol. The user-friendly console interface allows dispatchers to expedite and monitor calls intuitively and quickly. ControlONE also meets the need for interoperability between different radio systems, including analog and digital protocols.

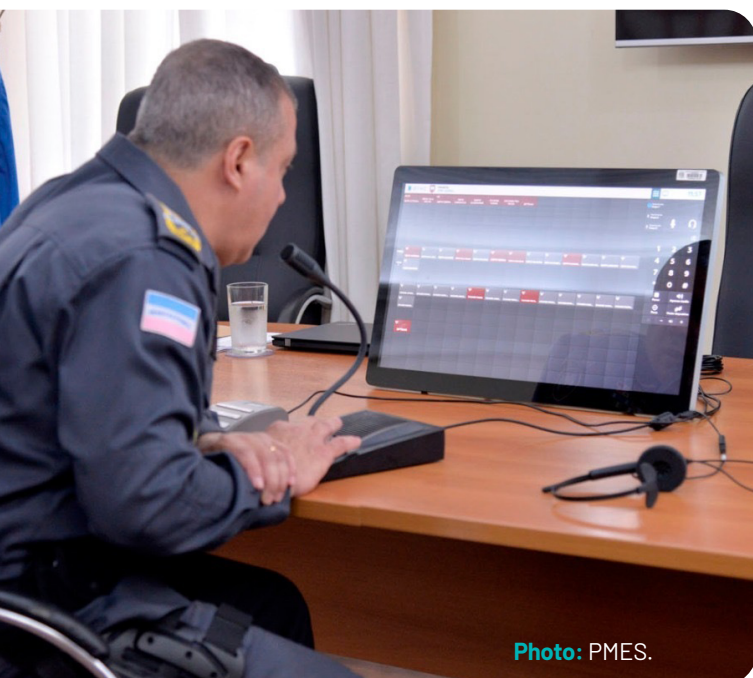


Photo: PMES.

OUR SOLUTION

The project was designed to meet the premises and mission-critical requirements of PMES. The offered solution included the following features:

- 40 dispatch consoles;
- 2 concentrator servers in the state capital and 4 in the interior;
- Call recording with redundancy;
- Interoperability gateways;
- Installation and team training;
- Remote support.

CLIENT BENEFITS

ControlONE enhanced the efficiency of the PMES critical communication environment, enabling operators to use the platform with ease and reduce the call response time of field teams. One of the main features is a simplified architecture, based on IP protocol, which eliminates the need to install various components. This easy-to-manage solution also includes features ranging from integration with legacy systems to the possibility of future updates.

How has the ControlONE solution helped PMES?

- Low cost of implementation;
- Elimination of "shadow areas", especially in the interior regions of the state;
- Flexible platform for future technologies;
- Georeferency of radio communication equipment and monitoring of frequencies used by criminals;
- Improvement of the critical communication system.

ABOUT THE CLIENT

The Military Police of Espírito Santo has the mission of maintaining public order in the state, through regional commands, battalions, specialized units, and independent companies. The strategic 2020-2023 plan, approved by the High Command of the PMES, foresees investments in

infrastructure to ensure the innovation and constant improvement of public services. In this context, one of the planned actions is the improvement of information and communication technology systems.

SEE OUR OTHER PROJECTS:

