© Peruvian Navy

THE PERUVIAN NAVY

The Peruvian Navy (Marina de guerra del Perú - MGP) is part of the Peruvian Armed Forces; the Navy contributes to the surveillance and defense of the maritime and port areas of the territory.

The Peruvian Navy has been working with GIS and geo-decisional solutions based on Business Geografic's GEO technologies since the beginning of the current health crisis, in order to follow the evolution of Covid-19 within its workforce.

Under the authority of the Ministry of Defense, the Peruvian Navy is an integral part of the Peruvian Armed Forces alongside the Army and the Air Force. The Peruvian Navy's responsibilities include, among others, the surveillance and protection of national interests in the maritime, river and lake areas, the support of Peru's foreign policy through its naval power, the participation in the civil defense according to the law, etc. marina.mil.pe

Smartgroup
PERÚ

Smart Group Perú, a GEO Software Reseller partner, is a Peruvian-Canadian company that offers all kinds of mapping, spatial analytics and geospatial technologies and solutions for the smart management of territories. smart-group.ca

Business Geografic is Ciril GROUP's business unit specializing in innovative mapping software, geographic information systems (GIS) and geospatial intelligence. Ciril GROUP is a French software publisher and a Cloud hosting company. business-geografic.com - cirilgroup.com

The GEO Software platform is the fruit of a continuous process of innovating. Business Geografic's GEO platform offers state-of-the-art mapping and location intelligence technologies and solutions for all kinds of web and mobile GIS applications and portals. geo.software
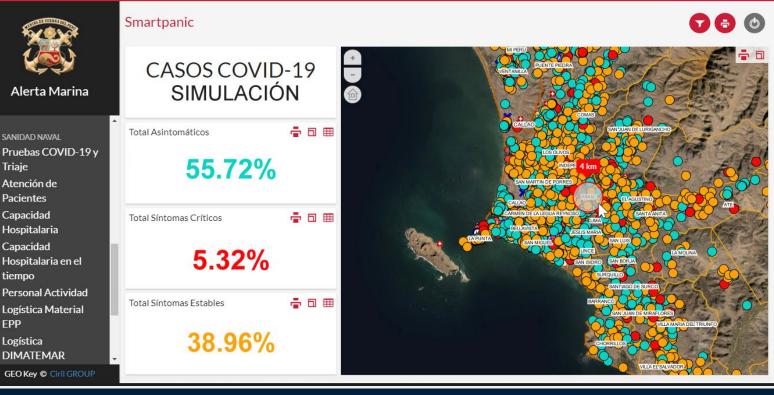
AT A GLANCE

Like numerous countries in the world, Peru has been fighting with the sanitary crisis related to Covid-19 since the beginning of the year 2020; on March 16, 2020, the country has been strictly confined.

The Peruvian Armed Forces, including the Navy, have been taking a major role in the management of this health crisis.

In order to help its workforce, the Peruvian Navy was looking for aesthetic, intuitive and powerful mapping solutions that would help its teams understand and collaborate with one another so as to contain the spread of the pandemic.

Business Geografic expands its GIS and Location Intelligence know-how internationally. Business Geografic deployed GIS and Geo-Business Intelligence technologies based on GEO Software to answer Smart Group Perú's needs and help the Peruvian Navy deal with the health crisis due to Covid-19.

CHALLENGES

The emergency of the Covid-19 health crisis has prompted all the actors involved in the project - Business Geografic (in Canada and France), Smart Group Perú, Protecta and Softguard - to gather their skills and know-how. Together, they implemented, in the shortest possible time, web and mobile mapping and Geo-Business Intelligence solutions to help the Peruvian Navy manage and contain the progression of Covid-19 among its 250,000 active and retired members and their families.

The Business Geografic and Smart Group Perú teams helped the Peruvian Navy, who has an exhaustive database of its members and healthcare facilities, standardize the geo-referencing of its workforce and its medical centers on a map, in order to facilitate the update and the treatment of geolocalized data and to acquire complete autonomy over the entire process.

The result of this successful collaboration enabled the Peruvian Navy to have operational technologies and tools in only 3 days.

SOLUTIONS

Since March 30, 2020, the Navy General Staff, medical and IT teams have been using an interactive mapping application and a location intelligence dashboard based on GEO Software, and specifically GEO Key, powered by Business Geografic.

These innovative, powerful and feature-rich GIS tools help the Peruvian Navy monitor precisely the position of people diagnosed as positive or showing symptoms of Covid-19, as well as the respect of their isolement; a warning system also allows positive patients to ask for assistance (care, food, etc.). Its teams also visualize the medical staff and material capacities of their healthcare centers in order to welcome patients in the best possible conditions.

These mapping and Geo-Business Intelligence solutions exclusively display the collected data - age and gender of people as well as the start and the end date of the isolation period - of Covid-19 positive persons, who report twice a day the evolution of their symptoms - critical, stable or asymptomatic - in the SmartPanic mobile application.

BENEFITS

Thanks to the deployment of Business Geografic's GEO Software technologies and solutions, the Navy's teams can visualize and analyze the whole data at their disposal. They get the full picture of the circulation of the virus within their workforce across the Peruvian territory.

They rely on the powerful GEO Key features for their Geo-Business Intelligence needs; GEO Key allows them to display and analyze a very large volume of data from various sources and generate powerful responsive HTML5 dashboards.

Data visualization, including dynamic and interactive maps, charts, graphs, etc., allows the Navy's teams to analyze and distribute resources within their healthcare centers - quantity of qualified medical staff, number of beds remaining available, number of intensive care beds, level of equipment, etc. - to take good care of patients.

The potential of GEO Software to integrate the geographical and decision-making dimensions within business tools makes real sense in this context of a territorialized management of the Covid-19 health crisis.